Before you begin
FOR QUICK & EASY ASSEMBLY
FIND 3D INSTRUCTIONS FOR THIS PRODUCT IN
BILT.
DOWNLOAD THE FREE APP

For the most up to date assembly manual, to register your set, or to order replacement parts please visit www.backyarddiscovery.com

SAVE THIS ASSEMBLY MANUAL FOR FUTURE REFERENCE IN THE EVENT THAT YOU NEED TO ORDER REPLACEMENT PARTS.
INSTALLATION SERVICES AVAILABLE!*

Need a helping hand?
Let our team of professionals handle the installation for you!

GOCONFURE
888-888-5424

*Installation services are only available to U.S. customers.

With Go Configure, we bring you 18 years of experience right to your doorstep. We service a wide array of indoor and outdoor recreation products that most consumers don't have the time or ability to deliver & install themselves.

We do the heavy lifting, so you don't have to!

- 18+ Years of Experience Servicing Big Box Retailers and Direct Consumers
- Highly Skilled, Specialized, Courteous, Professional Service Technicians
- Over 140,000 Installations Annually
- White Glove Service
- Satisfaction Guarantee
- Flexible Appointments, including weekends
- Coverage across the nation

Visit www.goconfigure.com for more info!

*Installation services are only available to U.S. customers.
The store where you made your purchase does not stock parts for this item. If you have assembly questions or you are missing or have damaged parts, please call 1-800-856-4445. You can also visit www.backyarddiscovery.com or e-mail customerservice@backyarddiscovery.com.

Please have the following information ready when you make your call:

- Model Number of the product located on the front of the assembly manual
- The item description and number from the parts list from the manual that was included in your box

- Read entire assembly manual, paying special attention to the important tips and safety information.
- To ensure there are no missing pieces do a complete inventory by first separating and identifying all parts.
- Make sure to check packing material for small parts that may have fallen out during shipment.
- Structures are not intended for public use. The Company does not warranty any of its residential structures subjected to commercial use.
- This manual contains helpful information concerning assembly preparation, installation procedure and required maintenance.
- Always keep safety in mind as your structure is being built.
- Keep these instructions for future reference.
Please read entire booklet completely before beginning the assembly process.
Please retain these instructions and your receipt for future reference. Keep them in a safe place where you can refer to them as needed. In order to provide you with the most efficient service, it is required that you provide us with the part numbers when ordering parts.

For Your Records:
Please take time and fill out the information below. This information will be needed for warranty issues.

Where Purchased: ________________
Date of Purchase: ________________
Installation Date: ________________
Installed by: ____________________
Tracking Number: ________________

Tracking ID number on the carton and on the bottom of the vertical ID plate are included for tracking purposes associated with warranty claims.

This Limited Warranty by Backyard Discovery applies to products manufactured under the Backyard Discovery brand or its other brands including but not limited to Backyard Botanical, Adventure Playsets, and Leisure Time Products.

Backyard Discovery warrants that this product is free from defect in materials and workmanship for a period of one (1) year from the original date of purchase. This one (1) year warranty covers all parts including wood, hardware, and accessories. All wood carries a five (5) year pro-rated warranty against rot and decay. Refer to the schedule below for charges associated with replacement of parts under this Limited Warranty. In addition, Backyard Discovery will replace any parts within the first 30 days from date of purchase found to be missing from or damaged in the original packaging.

This warranty applies to the original owner and registrant and is non-transferable. Regular maintenance is required to assure maximum life and performance of this product. Failure by the owner to maintain the product according to the maintenance requirements may void this warranty. Maintenance guidelines are provided in the Owner’s Manual.

This Limited Warranty does not cover:

- Installation
- Labor for any inspection
- Labor for replacement of any defective item(s)
- Incidental or consequential damages
- Cosmetic defects which do not affect performance or integrity of a part or the entire product
- Vandalism, improper use, failure due to loading or use beyond the capacities stated in the applicable Assembly Manual.
- Acts of nature including but not limited to wind, storms, hail, floods, excessive water exposure
- Improper installation including but not limited to installation on uneven, unlevel, or soft ground
- Minor twisting, warping, checking, or any other natural occurring properties of wood that do not affect performance or integrity

Backyard Discovery 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. Modification voids any and all warranties and Backyard Discovery assumes no liability for any modified products or consequences resulting from failure of a modified product.

This product is warranted for RESIDENTIAL USE ONLY. Under no circumstance should a Backyard Discovery product be used in public settings. Such use may lead to product failure and potential injury. Any and all public use will void this warranty. Backyard Discovery disclaims all other representations and warranties of any kind, express or implied.

<table>
<thead>
<tr>
<th>Pro Rated Part Replacement Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Age</strong></td>
</tr>
<tr>
<td>All Parts</td>
</tr>
<tr>
<td>0-30 days from date of purchase</td>
</tr>
<tr>
<td>31 days to 1 year</td>
</tr>
<tr>
<td>Wood Rot and Decay Only</td>
</tr>
<tr>
<td>1 year</td>
</tr>
<tr>
<td>2 year</td>
</tr>
<tr>
<td>3 year</td>
</tr>
<tr>
<td>4 year</td>
</tr>
<tr>
<td>5 year</td>
</tr>
<tr>
<td>Over 5 years</td>
</tr>
</tbody>
</table>
**WARNING**

**IT IS IMPORTANT TO CHECK AND TIGHTEN ALL HARDWARE AT THE BEGINNING AND DURING THE SEASON AS THEY MAY LOOSE DUE TO WOOD EXPANSION AND CONTRACTION.**

- **DO NOT** climb or walk on the roof for any reason
- Requires two or more people to assemble safely
- Check for underground utilities before digging or driving stakes into the ground.
- Check carefully for overhead lines and ensure there is at least 6ft (2m) clearance from any overhead electrical wires.
- Permanent structures may require a building permit. As the purchaser and or installer of this product you are advised to consult local planning, zoning and building inspection departments for guidance on applicable building codes and/or zoning requirements.
- Wood is **NOT** flame retardant and will burn. Grills, fire pits and chimineas are a fire hazard if placed too close to your structure.
- Wear gloves to avoid injury during installation.
- During installation, follow all safety warnings provided with your tools and use safety glasses.
- Check all nuts and bolts twice monthly during the usage season and tighten as required. (But not so tight that you crack the wood) It is particularly important that this procedure be followed at the beginning of each season.
- Oil all metallic moving parts monthly during the usage period.
- Check all coverings for bolts and sharp edges twice monthly during usage season to be certain they are in place. Replace when necessary. It is especially important to do this at the beginning of each new season.
- For rusted areas on metallic members such as hinges, brackets, etc. sand and repaint, using a non lead-based paint meeting the requirements of Title 16 CRF Part 1303.
- Inspect wood parts monthly. The grain of the wood sometimes will lift in the dry season causing splinters to appear. Light sanding may be necessary to maintain a safe environment. Treating your Product with protection (sealant) after sanding will help prevent severe checking/splitting and other weather damage.
- We have applied a waterborne translucent stain to your unit. This is done for color only. Once or twice a year, depending on your climate conditions, you must apply some type of protection (sealant) to the wood of your unit. Prior to the application of sealant, lightly sand any “rough” spots on your set. Please note this is a requirement of your warranty.

**OWNERS SHALL BE RESPONSIBLE FOR MAINTAINING THE LEGIBILITY OF THE WARNING LABELS**
About Our Wood

Backyard Discovery uses 100% Cedar (C. Lanceolata) 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 product?

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 grey over time.

How can I reduce the amount of weathering to wood product?

1. Your wood product is coated with a water-based stain. 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). You must apply some type of protection (sealant) to the wood of your product. **Please note this is a requirement of your warranty.** Most weathering is just the normal result of nature and will not affect safety. However if you are concerned that a part has experienced a severe weathering problem please call our customer service department for further assistance.

2. Inspect wood parts monthly. The grain of the wood sometimes will lift in the dry season causing splinters to appear. Light sanding may be necessary to maintain a safe environment. Treating your Product with protection (sealant) after sanding will help prevent severe checking/splitting and other weather damage.
Protrusion Hazard

Incorrect

Correct

If you see exposed threads and your bolt protrudes beyond the T-Nut you may have over tightened the bolt. To eliminate this, remove the bolt and add washers to eliminate the problem.

Proper Hardware Assembly

Bolt and T-Nut Assembly
Tap T-nut into the provided hole. Insert your bolt through the lock washer and insert into the provided hole opposite from the T-Nut. Turn clockwise to thread into T-nut. Do not completely tighten until instructed.

Bolt and Barrel Nut Assembly
Insert barrel nut through the lock washer and press the pair through the provided hole. Insert your bolt through the second lock washer and insert the pair into the provided hole opposite from the barrel nut. Turn clockwise to thread into the barrel nut. Do not completely tighten until instructed.

Lag Assembly
Normally there will be a pre-drilled pilot hole on assemblies that require a Lag Screw. If there is no pilot hole, line up the two boards as they are to be attached and use the factory drilled hole as a guide to drill another pilot hole into the adjoining board. This will keep the wood from splitting. Only a lock washer is required for steps with Lag Screws.
**ASSEMBLY TIP:**

*Keep an eye out for these boxes which will contain helpful pictures and information making the assembly process as quick and painless as possible.*

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**Sorting Wood**

When removing the wood from the boxes we recommend arranging them by part number before you begin assembly. This will allow for faster assembly and easily identify any parts that may be missing or damaged.

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**Sorting Hardware**

<table>
<thead>
<tr>
<th>NUT BARREL</th>
<th>SCREW</th>
<th>T-NUT</th>
<th>WASHER FLAT</th>
<th>BOLT HEX</th>
<th>BOLT</th>
<th>SCREW PWH</th>
</tr>
</thead>
<tbody>
<tr>
<td>H100545</td>
<td>H100695</td>
<td>H100699</td>
<td>H100706</td>
<td>H100716</td>
<td>H100718</td>
<td>H100742</td>
</tr>
</tbody>
</table>

To help with assembly we recommend sorting your hardware bags with the seven digit alpha-numeric number printed on the bags or by hardware type (i.e. bolts, nuts, etc.). Organizing your hardware will make assembly easier.

---

**Hardware Identification**

Hardware bags are printed with a seven digit alpha-numeric part number. During assembly you only need to reference the last three digits of the part number as noted in each step. This will make finding the correct hardware easier.
These are the tools that are generally required for assembly of our outdoor products. These tools are not included with the outdoor product purchase.

- **Level 24”**
- **Square**
- **Tape Measure**
- **Phillips Screw Driver**
- **Rubber Mallet - Optional**
- **Cordless Drill or Electric Drill**
- **Drill Attachments: Phillips Head, 5/16" & 3/8"Socket Drivers**
- **3/16" Concrete Drill Bit**
- **3/8” Drive Ratchet, 3/4” STD Sockets**
- **Open End Wrenches 3/4”**
- **An Adult w/ an Adult Helper**
- **Ladder (2)**
- **Claw Hammer**
Basic Setup Dimensions
Install unit on level ground. Check carefully for overhead lines and ensure there is at least 6ft (2m) clearance from the roof to any overhead lines.

Important Assembly Notes
1) While assembling unit, take time before and after each phase to make sure unit is level. If unit is not level, assembly will be difficult and improper assembly may result. Extra care must be taken to ensure the unit is square.

2) Pay close attention to the ITEMS NEEDED FOR EACH PHASE. They can be a valuable aid when sorting your wood and hardware. Assembly will be made easier if items are sorted by phase.

3) Pay close attention to make sure you are using the correct hardware in the correct phases. Using incorrect hardware may result in improper assembly.

4) Read the steps of each phase thoroughly. The written steps may include important information not shown in the illustrations.
**Important Note:**
In the event the INK STAMP identifier is not easy to read or is missing from a wood component, match the unique geometric shape and dimensions of the wood component found in a specific assembly step to the PARTS IDENTIFICATION section when required. This will aid in identifying the part for assembly and (or) customer service issues.

---

**Parts Identification**

**Wood Components**

*(NOT TO SCALE)*

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Dimensions (mm)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1 - BEAM</td>
<td>W4L11976</td>
<td>3/8&quot;x5 1/4&quot;x134 1/8&quot;</td>
<td>2</td>
</tr>
<tr>
<td>AB1 - ANGLE BRACE</td>
<td>W4L11988</td>
<td>1 3/8&quot;x6 7/16&quot;x40 13/16&quot;</td>
<td>8</td>
</tr>
<tr>
<td>AB2 - ANGLE BRACE</td>
<td>W4L11989</td>
<td>1 3/8&quot;x6 7/16&quot;x40 13/16&quot;</td>
<td>8</td>
</tr>
<tr>
<td>D2 - BEAM</td>
<td>W4L11978</td>
<td>3/8&quot;x5 1/4&quot;x141 1/8&quot;</td>
<td>2</td>
</tr>
<tr>
<td>D3 - BEAM</td>
<td>W4L11977</td>
<td>3/8&quot;x5 1/4&quot;x11 1/2&quot;</td>
<td>4</td>
</tr>
<tr>
<td>D4 - BEAM</td>
<td>W4L11979</td>
<td>3/8&quot;x5 1/4&quot;x124 3/4&quot;</td>
<td>2</td>
</tr>
<tr>
<td>D5 - BEAM</td>
<td>W4L11980</td>
<td>3/8&quot;x5 1/4&quot;x105 7/8&quot;</td>
<td>2</td>
</tr>
<tr>
<td>D6 - ANGLE BRACE</td>
<td>W4L11986</td>
<td>3/8&quot;x5 1/4&quot;x31 3/4&quot;</td>
<td>4</td>
</tr>
<tr>
<td>D7 - ANGLE BRACE</td>
<td>W4L11987</td>
<td>3/8&quot;x5 1/4&quot;x29 5/8&quot;</td>
<td>4</td>
</tr>
<tr>
<td>E1 - OUTSIDE RAFTER</td>
<td>W4L11982</td>
<td>3/8&quot;x3 3/8&quot;x76 3/8&quot;</td>
<td>4</td>
</tr>
<tr>
<td>E2 - RAFTER</td>
<td>W4L11981</td>
<td>3/8&quot;x3 3/8&quot;x76 3/4&quot;</td>
<td>8</td>
</tr>
</tbody>
</table>
**Important Note:**
In the event the INK STAMP identifier is not easy to read or is missing from a wood component, match the unique geometric shape and dimensions of the wood component found in a specific assembly step to the PARTS IDENTIFICATION section when required. This will aid in identifying the part for assembly and (or) customer service issues.

---

### Parts Identification

#### Wood Components

(NOT TO SCALE)

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Dimensions</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>E3</td>
<td>SHEATHING BOARD - W4L11984</td>
<td>1 3/8”x3 3/8”x141” (36x86x3582)</td>
<td>(8)</td>
</tr>
<tr>
<td>H1</td>
<td>RAFTER - W4L11983</td>
<td>1”x3 3/8”x127 1/16” (24x86x3228)</td>
<td>(2)</td>
</tr>
<tr>
<td>H2</td>
<td>FASCIA - W4L11985</td>
<td>1”x3 3/8”x141” (24x86x3582)</td>
<td>(2)</td>
</tr>
<tr>
<td>PT1</td>
<td>POST - W2A02715</td>
<td>7”x7”x94 7/16” (178x178x2400)</td>
<td>(2)</td>
</tr>
<tr>
<td>PT2</td>
<td>POST - W2A02716</td>
<td>7”x7”x94 7/16” (178x178x2400)</td>
<td>(2)</td>
</tr>
<tr>
<td>PT3</td>
<td>POST - W2A02718</td>
<td>7”x7”x32 1/2” (178x178x826)</td>
<td>(2)</td>
</tr>
<tr>
<td>RP1</td>
<td>END RAFTER - W2A02719</td>
<td>2 13/16”x5 1/4”x80 5/8” (72x134x2048)</td>
<td>(2)</td>
</tr>
<tr>
<td>RP2</td>
<td>END RAFTER - W2A02720</td>
<td>2 13/16”x5 1/4”x80 5/8” (72x134x2048)</td>
<td>(2)</td>
</tr>
</tbody>
</table>
Parts Identification

Hardware

- LAG SCREW WH 5/16 x 3 BLK - H100206 (22)

- BOLT WH 5/16 x 1 1/2 BLK - H100407 (3)

- NUT BARREL WH 5/16 x 7/8 BLK - H100192 (3)

- SCREW PFH 8 x 3 BLK - H100362 (4)

- SCREW PFH 8 x 2 BLK - H100391 (101)

- SCREW PFH 8 x 1-1/2 BLK - H100200 (22)

- SCREW PWH 8 x 1-1/4 BLK - H100536 (44)

- CONCRETE ANCHOR 1/4" x 2" - H100120 (18)

- #10-16 X 1 1/4" WOODGRIP SCREW - H100760 (188)

- 1/4-14 x 3/4" SELF DRILLING SCREW - H100759 (39)

- WASHER FLAT 1/2 BLK - H100755 (246)

- WASHER SPLIT 1/2 BLK - H100754 (96)

- NUT HEX 1/2 BLK - H100753 (94)

- WASHER FLAT 8 x 19 BLK - H100630 (17)

- WASHER LOCK EXT 8 x 19 BLK - H100198 (25)

- WASHER LOCK EXT 12 x 19 BLK - H100199 (3)
Parts Identification

Hardware

(2) - T-40 TORX BIT - A100042

(2) - T-40 TORX WRENCH - A100041

(22) - BOLT HEX 1/2x11 BLK - H100751

(9) - BOLT HEX 1/2x9 1/2 BLK - H100756

(58) - BOLT HEX 1/2x4 BLK - H100752

(9) - BOLT HEX 1/2x2-1/2 BLK - H100763

(9) - LAG SCREW HEX 1/2x4 BLK - H100762

(52) - LAG SCREW HEX 1/2x2 BLK - H100758
Parts Identification
Accessories
(NOT TO SCALE)

1. BYD ID TAG (SMALL) WITHOUT AGES - A100241
2. "A" REVISION TAG - A100314
3. L.BRACKET 66x66x127 - BLK - A4M00946
4. GAZEBO BRACKET - A4M00947
5. GAZEBO BRACKET - A4M00948
6. STEEL POST ANCHORING PLATE WITH FLANGE - A4M00949
7. STEEL POST PLATE - A4M00950
8. 7x7 POST FOOT - A6P00296
9. GAZEBO BRACKET - A4M00968
10. GAZEBO BRACKET - A4M00969
### Parts Identification

#### Accessories

*(NOT TO SCALE)*

- **DRIP EDGE 29 GA** - A4M00956
  - (4)

- **6 X 6 HIP/RIDGE CAP SPLICE** - A4M00955
  - (1)

- **6 X 6 HIP/RIDGE CAP 29 GA** - A4M00954
  - (2)

- **ROOF BRACKET** - A4M00961
  - (8)

- **ROOF SPACER** - A4M00975
  - (4)

- **29 GA STEEL SHEETING** - A4M00980
  - (8)
  - 0.014”x37.01”x77.75” (.34x940x1975)

- **DRIP EDGE 29 GA SPLICE** - A4M00970
  - (1)

- **6 X 6 HIP/RIDGE CAP SPLICE** - A4M00955
  - (1)

- **DRIP EDGE 29 GA SPLICE** - A4M00970
  - (1)
STEP 1

TIP: FOR EASE OF ASSEMBLY WE RECOMMEND USING SAW HORSES FOR STEPS 1 THROUGH 3.

NOTE: DO THESE STEPS TWICE.
STEP 2

- START ASSEMBLY ON THE GROUND OR SAW HORSES AS SHOWN

NOTE HOLES

POST ASSEMBLY - PT2
(FROM STEP 1)

POST ASSEMBLY - PT1
(FROM STEP 1)

L.BRACKET 66x66x127 - BLK
(2 PLCS)

GAZEBO BRACKET
(2 PLCS)

BOLT HEX 1/2x11 BLK
(8 PLCS)

WASHER FLAT 1/2 BLK
(18 PLCS)

WASHER SPLIT 1/2 BLK
(8 PLCS)

LAG SCREW HEX 1/2x2 BLK
(2 PLCS)

NUT HEX 1/2 BLK
(8 PLCS)
STEP 3

LAG SCREW WH 5/16x3 BLK
(4 PLCS)

WASHER LOCK EXT 8x19 BLK
(4 PLCS)

BOLT HEX 1/2x4 BLK
(4 PLCS)

WASHER SPLIT 1/2 BLK
(4 PLCS)

NUT HEX 1/2 BLK
(4 PLCS)

D4

AB1

AB2

LAG SCREW WH 5/16x3 BLK
(4 PLCS)

BOLT HEX 1/2x4 BLK
(4 PLCS)

WASHER SPLIT 1/2 BLK
(4 PLCS)

NUT HEX 1/2 BLK
(4 PLCS)

D4

AB1

AB2

GAZEBO BRACKET
(2 PLCS)

LAG SCREW HEX 1/2x2 BLK
(2 PLCS)

BOLT HEX 1/2x9-1/2 BLK
(4 PLCS)

WASHER SPLIT 1/2 BLK
(4 PLCS)

NUT HEX 1/2 BLK
(4 PLCS)
STEP 4

MAKE SURE YOU'RE BUILDING ON LEVEL GROUND AND YOUR STRUCTURE STARTS OFF BOTH SQUARE AND LEVEL.

WITH A HELPER STAND UP ASSEMBLY AND MOUNT 3RD POST.

BOLT HEX 1/2x9 1/2 BLK (2)
LAG SCREW HEX 1/2x2 BLK (1)
NUT HEX 1/2 BLK (2)
WASHER FLAT 1/2 BLK (5)
WASHER SPLIT 1/2 BLK (2)

PT2 - POST - W2A02716
7"x7"x94 7/16" (178x178x2400)

GAZEBO BRACKET (1 PLCS)
LAG SCREW HEX 1/2x2 BLK (1 PLCS)
BOLT HEX 1/2x9-1/2 BLK (2 PLCS)
NOTE PILOT HOLE

TWO PERSON LIFT
**STEP 5**

- **LAG SCREW HEX 1/2x2 BLK** (1 PLC)
- **BOLT HEX 1/2x9 1/2 BLK** (2 PLCS)
- **WASHER FLAT 1/2 BLK** (5)
- **NUT HEX 1/2 BLK** (2)
- **WASHER SPLIT 1/2 BLK** (2)

---

**GAZEBO BRACKET - A4M00947**

**PT1 - POST - W2A02715**

7"x7"x94 7/16" (178x178x2400)

---

**GAZEBO BRACKET** (1 PLC)
STEP 6

(1) D1 - BEAM - W4L11976
1 3/8"x5 1/4"x134 1/8" (36x134x3408)

(2) D2 - BEAM - W4L11978
1 3/8"x5 1/4"x141 1/8" (36x134x3586)

(2) D3 - BEAM - W4L11977
1 3/8"x5 1/4"x11 1/2" (36x134x292)

(2) GAZEBO BRACKET - A4M00969

(2) L.BRACKET 66x66x127 - BLK - A4M00946

---

D2  GAZEBO BRACKET (2 PLCS)

D1

D3

---

BOLT HEX 1/2x11 BLK
(8)

LAG SCREW HEX 1/2x2 BLK
(2)

WASHER FLAT 1/2 BLK
(18)

WASHER SPLIT 1/2 BLK
(8)

NUT HEX 1/2 BLK
(8)

---

NUT HEX 1/2 BLK
(8 PLCS)

WASHER SPLIT 1/2 BLK
(8 PLCS)

WASHER FLAT 1/2 BLK
(18 PLCS)

L.BRACKET 66x66x127 - BLK
(2 PLCS)

LAG SCREW HEX 1/2x2 BLK
(2 PLCS)

BOLT HEX 1/2x11 BLK
(8 PLCS)
STEP 7

BOLT HEX 1/2\times 2-1/2 BLK (8 PLCS)

WASHER FLAT 1/2 BLK (16 PLCS)

WASHER SPLIT 1/2 BLK (8 PLCS)

NUT HEX 1/2 BLK (8 PLCS)
(6) AB1 - ANGLE BRACE - W4L11988
1 3/8"x6 7/16"x40 13/16" (34x163x1036)

**STEP 8**

- **BOLT HEX 1/2x4 BLK** (12 PLCS)
- **NUT HEX 1/2 BLK** (12 PLCS)
- **WASHER SPLIT 1/2 BLK** (12 PLCS)
- **BOLT HEX 1/2x4 BLK** (12 PLCS)
- **WASHER LOCK EXT 8x19 BLK** (6 PLCS)
- **LAG SCREW WH 5/16x3 BLK** (6 PLCS)
- **WASHER SPLIT 1/2 BLK** (12 PLCS)
- **LAG SCREW WH 5/16x3 BLK** (6 PLCS)
- **WASHER LOCK EXT 8x19 BLK** (6 PLCS)
STEP 10

PT3 - POST - W2A02718
7"x7"x32 1/2" (178x178x826)

GAZEBO BRACKET - A4M00968

(4) WASH FLAT 1/2 BLK

(8) LAG SCREW HEX 1/2x2 BLK

(4) LAG SCREW HEX 1/2x4 BLK

NOTE PILOT HOLES

LAG SCREW HEX 1/2x2 BLK
(4 PLCS)

LAG SCREW HEX 1/2x4 BLK
(8 PLCS)

GAZEBO BRACKET
A4M00968
(4 PLCS)

NOTE HOLE LOCATION
STEP 11

PLACE 1/2" BOLTS IN HOLES BEFORE INSTALLING WOOD SCREWS (TO ENSURE PROPER ALIGNMENT)
STEP 12

- BOLT HEX 1/2x4 BLK (8 PLCS)
- WASHER FLAT 1/2 BLK (8 PLCS)
- WASHER SPLIT 1/2 BLK (8 PLCS)
- NUT HEX 1/2 BLK (8)
- LAG SCREW WH 5/16x3 BLK (4)
- WASHER LOCK EXT 8x19 BLK (4 PLCS)

D7 - ANGLE BRACE - W4L11987
1 3/8"x5 1/4"x29 5/8" (36x134x751)
STEP 13

SQUARE YOUR ROOF PANEL BY MAKING SURE YOU GET THE SAME MEASUREMENT FROM CORNER TO CORNER AS SHOWN.

• DO THESE STEPS TWICE FOR BOTH ROOF PANELS

NOTE PILOT HOLES

NOTE KNOTCHES

NOTE ORIENTATION

H1 - RAFTER - W4L11983
1"x3 3/8"x127 1/16" (24x86x3228)

H2 - FASCIA - W4L11985
1"x3 3/8"x141" (24x86x3582)

E1 - OUTSIDE RAFTER - W4L11982
1 3/8"x3 3/8"x76 3/8" (36x86x1948)

E2 - RAFTER - W4L11981
1 3/8"x3 3/8"x76 3/4" (36x86x1948)

SCREW PFH 8X2 BLK

(48) 8x2 BLK

(48) 8x2 BLK

(12 PLCS)

(12 PLCS)
STEP 14

**DO THESE STEPS TWICE FOR BOTH ROOF PANELS**

SCREW PFH 8X2 BLK (24 PLCS)
STEP 15 (PREPARATION)

• The following pages will show only one side of the roof panel being built. You will follow these same steps to build the opposite side.
• Due to the roof panels mirroring each other you will start the first roof panel working from left to right and the second roof panel working from right to left.

⚠️ PUT YOUR ROOF PANELS ON THE GROUND SO THEY MIRROR EACH OTHER AS SHOWN.

TOP VIEW

NOTE: SCREWS MUST ALWAYS LAND IN A SHEATHING BOARD.

NOTE RAFTERS:

NOTE: USE THIS PAGE TO FAMILIARIZE YOURSELF WITH THE ROOF PANEL & ASSIST YOU IN THE COMING STEPS
STEP 15

- Roof panel must be square before you start this step.
- With a square roof panel place both sheets on roof panel and align them as shown.
- After both sheets are aligned with each other and are set to the dimensions shown, place one screw in each roof panel and fine tune their alignment before moving to the next detail step.

- Do these steps twice for both roof panels.
- Remember your roof panels should mirror each other so the ribs align on both roof panels.
- Start the first roof panel working from left to right and the second roof panel working from right to left as shown in the preparation step.

Tip:
It can be helpful to mark the screw locations using the dimensions shown and dimple the metal with a 1/8" drill bit for easier installation.
STEP 16

• FOLLOW THIS STEP WITH BOTH ROOF PANELS

MAKE SURE THE ROOF PANEL & STEEL SHEETS STAY SQUARE WHILE ASSEMBLING.

TIP:
IT CAN BE HELPFUL TO MARK THE SCREW LOCATIONS USING THE DIMENSIONS SHOWN AND DIMPLE THE METAL WITH A 1/8" DRILL BIT FOR EASIER INSTALLATION.

SIDE VIEW

MAKE SURE SCREWS LAND IN RAFTER

19 7/8 19 7/8 19 7/8

1/2
STEP 17

⚠️ NOTE: KEEP SHEETS ALIGNED & SQUARE AS YOU GO

• FOLLOW THIS STEP WITH BOTH ROOF PANELS

⚠️ PLACE SCREWS AS SHOWN

TIP:
IT CAN BE HELPFUL TO MARK THE SCREW LOCATIONS USING THE DIMENSIONS SHOWN AND DIMPLE THE METAL WITH A 1/8" DRILL BIT FOR EASIER INSTALLATION.

SINGLE OVERLAP ON LAST 2 ROOF PANELS.

⚠️ MAKE SURE SCREWS LAND IN RAFTER

• #10-16 X 1 1/4" WOODGRIP SCREW (88 PLCS)

• #10-16 X 1 1/4" WOODGRIP SCREW (44 PLCS)

- 29 GA STEEL SHEETING - A4M00980 .014"x37.01"x77.75" (.34x940x1975)
STEP 18

- FOLLOW THIS STEP WITH BOTH ROOF PANELS

DRIP EDGE 29 GA (1 PLCS)

DRIP EDGE 29 GA SPLICE (1 PLCS)

DRIP EDGE 29 GA SPLICE (1 PLCS)

1/4-14 x 3/4" SELF DRILLING SCREW (9 PLCS)

NOTE:
SLIP DRIP EDGE INTO SPLICE.
ENSURE THAT BOTH ENDS ARE FLUSH WITH EDGE OF ROOF PANELS.
**STEP 19**

WITH AT LEAST TWO PEOPLE LIFT ASSEMBLED ROOF PANELS AND SLIDE THEM INTO THE TRACKS ON THE GAZEBO.

*FOLLOW THIS STEP WITH BOTH ROOF PANELS*

**TIP:**
A THIRD PERSON IS HELPFUL TO ATTACH ROOF ONCE IT IS IN PLACE.

**PUSH ROOF PANEL FORWARD UNTIL KNOTCHES LAND ON 1ST RAFTER**

BEFORE INSTALLING SECOND ROOF PANEL, INSTALL A 1/2" BOLT INTO THE HOLE ON BOTH ENDS TO TEMPORARILY SECURE ROOF PANEL UNTIL NEXT STEP.
STEP 20

- USING A HELPER, HOLD AND ATTACH ROOF PANELS AS SHOWN.
STEP 21

ROOF BRACKET (8 PLCS)

SCREW PWH 8x1-1/4 BLK (40 PLCS)

NOTE BRACKET LOCATIONS.
CENTER ON THE RAFTERS ON EACH ROOF PANEL AND ATTACH.

(8) - ROOF BRACKET - A4M00961

(40) SCREW PWH 8x1-1/4 BLK
**STEP 22**

- **BOLT HEX 1/2x4 BLK** (8 PLCS)
- **WASHER FLAT 1/2 BLK** (16 PLCS)
- **WASHER SPLIT 1/2 BLK** (8 PLCS)
- **NUT HEX 1/2 BLK** (8 PLCS)
- **NUT HEX 1/2 BLK** (8 PLCS)
- **WASHER SPLIT 1/2 BLK** (8 PLCS)
- **BOLT HEX 1/2x4 BLK** (8 PLCS)
- **WASHER FLAT 1/2 BLK** (16 PLCS)
- **WASHER SPLIT 1/2 BLK** (8 PLCS)
- **WASHER FLAT 1/2 BLK** (16 PLCS)
- **WASHER SPLIT 1/2 BLK** (8 PLCS)
- **WASHER FLAT 1/2 BLK** (16 PLCS)
- **WASHER SPLIT 1/2 BLK** (8 PLCS)

(4) **D6 - ANGLE BRACE - W4L11986**
1 3/8"x5 1/4"x31 3/4" (36x134x805)
CAUTION
METAL CAN BE VERY SLICK. DO NOT STAND ON METAL WHEN DAMP. PROCEED WITH CAUTION.

NOTE:
INSTALL 4 SCREWS EVENLY SPACED DOWN EACH SIDE.

NOTE:
SLIP RIDGE CAP INTO SPLICE. ENSURE THAT BOTH ENDS ARE FLUSH WITH EDGE OF ROOF PANELS.

NOTE: SCREWS GO THROUGH RIDGE CAP AND INTO THE TOP OF THE RIBS IN THE APPROXIMATE LOCATIONS SHOWN.

TIP:
DUE TO MULTIPLE LAYERS OF METAL ON THE RIDGE CAP, IT IS RECOMMENDED THAT A 1/8" DRILL BIT IS USED TO CREATE STARTER HOLES.
STEP 24

- STEEL POST ANCHORING PLATE WITH FLANGE - A4M00949 (8 PLCS)
- STEEL POST PLATE - A4M00950 (8 PLCS)
- WASHER FLAT 1/2 BLK (32)
- LAG SCREW HEX 1/2x2 BLK (32)
- WASHER FLAT 1/2 BLK
**STEP 25**

**FRONT VIEW**

- SCREW PFH 8X1-1/2 BLK (2 PLCS)

**REAR VIEW**

- BYD ID TAG (SMALL) WITHOUT AGES (1 PLC)
- "A" REVISION TAG (1 PLC)

- SCREW PFH 8X1-1/2 BLK (2 PLCS)

**ITEMS REQUIRED**

1. BYD ID TAG (SMALL) WITHOUT AGES - A100241
2. "A" REVISION TAG - A100314
NOTE:
MANUFACTURER RECOMMENDS INSTALLATION ON CONCRETE SURFACE OR CONCRETE POST PADS. SEE BELOW.
FOR INSTALLATION ON WOOD DECK, YOU MUST ENSURE THERE IS AMPLE STRUCTURAL SUPPORT UNDER DECK.

STEP 26

CONCRETE ANCHOR 1/4" x 2"
(16 PLCS)

WASHER FLAT 8x19 BLK
(16)

PRE-DRILL HOLES FOR CONCRETE ANCHORS USING A 3/16" CONCRETE DRILL BIT.