

# Owner's Manual & Safety Instructions

**Save This Manual** Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

17h



## Greenhouse

6 Ft. x 6 Ft.



**63781**

Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

### **⚠ WARNING**

**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

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## WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields.		WARNING marking concerning Risk of Head Injury. Wear hard hat during assembly and service.
	Read the manual before assembly and/or use.		WARNING marking concerning Risk of Hand Injury. Wear heavy-duty work gloves during assembly and service.

## IMPORTANT SAFETY INFORMATION

### WARNING

**Read all safety warnings and instructions.**

*Failure to follow the warnings and instructions may result in serious injury.*

**Save all warnings and instructions for future reference.**

**The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.**

## Assembly Precautions

1. Do not assemble in windy conditions.
2. Assemble and install only in a flat, level area that is sheltered from the wind.
3. Assemble and anchor only according to these instructions. Improper assembly or inadequate anchoring can create hazards.
4. Check for utility lines, tree branches and other structures before assembling.
5. Verify that installation surface has no hidden utility lines before anchoring.
6. Wear ANSI-approved safety goggles and heavy-duty work gloves during assembly.
7. Keep assembly area clean and well lit.
8. Keep bystanders out of the area during assembly.
9. Do not assemble when tired or when under the influence of alcohol, drugs or medication.
10. Product capabilities apply to properly and completely assembled product only.

## Use Precautions

1. DO NOT USE IN HIGH WIND. Remove cover if harsh weather or heavy rain threatens.
2. For temporary use only. Do not use as a permanent structure.
3. Do not use as tent. Does not meet tent flammability standards. Do not smoke or use grill, heater, or ignition sources inside or near Greenhouse. Risk of fire! Greenhouse is not flame retardant.
4. Do not operate any fuel burning device inside the Greenhouse. Asphyxiation hazard!
5. SNOW/DEBRIS ACCUMULATION HAZARD. Do not allow snow, rainwater or debris to accumulate or pool on top of the Greenhouse. DO NOT enter a greenhouse with accumulated debris on top.
6. This product is not a toy. Do not allow children to play with or near this item.
7. Use as intended only.
8. Inspect regularly, tighten all loose hardware and loose ropes, and secure all loosened anchors. If any parts are damaged, bent, or stretched, they must be replaced. Hardware may loosen during normal operation stresses. Loose hardware or damaged/altered parts will compromise the structural integrity of this product.
9. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.



**SAVE THESE INSTRUCTIONS.**

## Specifications

Overall Dimensions	6' L x 5'10" W x 6' H
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## Assembly Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this document including all text under subheadings therein before set up or use of this product.

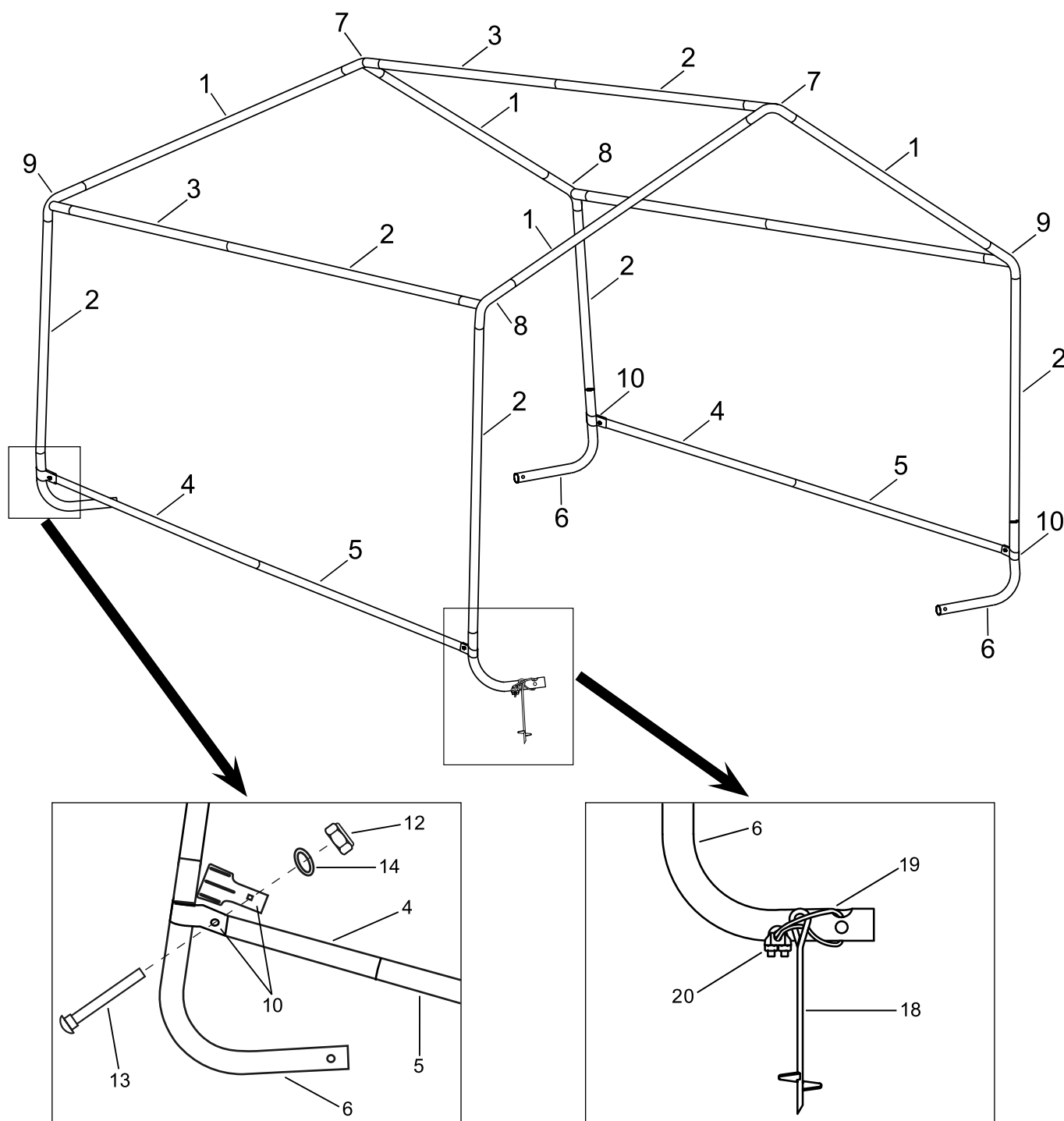
**Note:** For additional information regarding the parts listed in the following pages, refer to *Parts List and Diagram* on page 14.



**TO PREVENT SERIOUS INJURY: Do not leave this product partially assembled. Assemble this product completely at one time.**

**Note:** At least 3 workers are required for assembly. Before starting assembly, review the instructions and make sure there is enough time and the proper tools available to properly assemble. Assemble on a flat, level surface.

## Frame Assembly Overview



# Roof Frame Assembly

**Note:** Much of this product's assembly is done using slip fit construction. Make sure all parts seat completely and securely. A rubber mallet (sold separately) can be used to gently tap parts in place to ensure a tight fit.

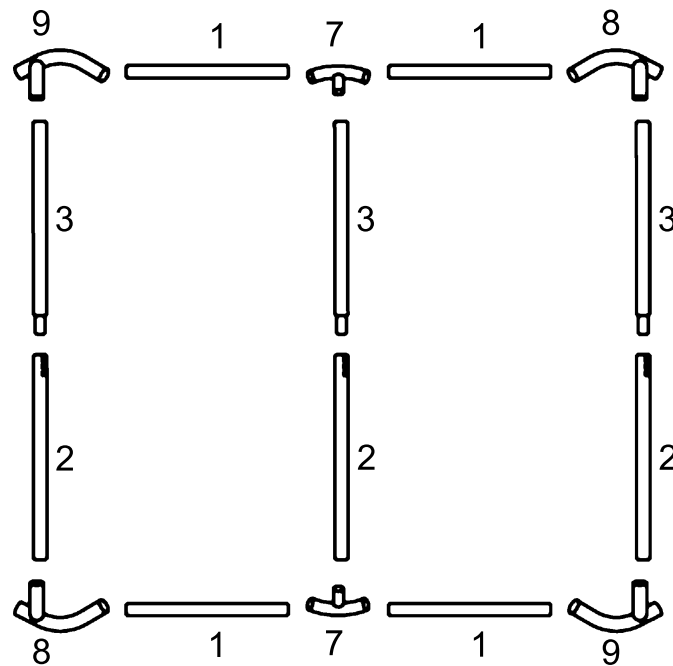


Figure A: Roof Assembly Overview

1. Assemble ridge using an Extension Pole (2) connected to a Joist (3) with a 3-Way Ridge Connector (7) on each end. The combined Extension Pole/Joist assembly (2, 3) connects to the straight ends of the Connectors and the curved, free ends of the Connectors are angled down, as shown.

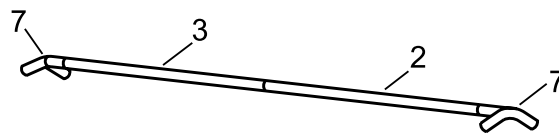


Figure B: Ridge Assembly

2. Connect a Rafter (1) to each free end of the 3-Way Ridge Connectors (7), as shown.

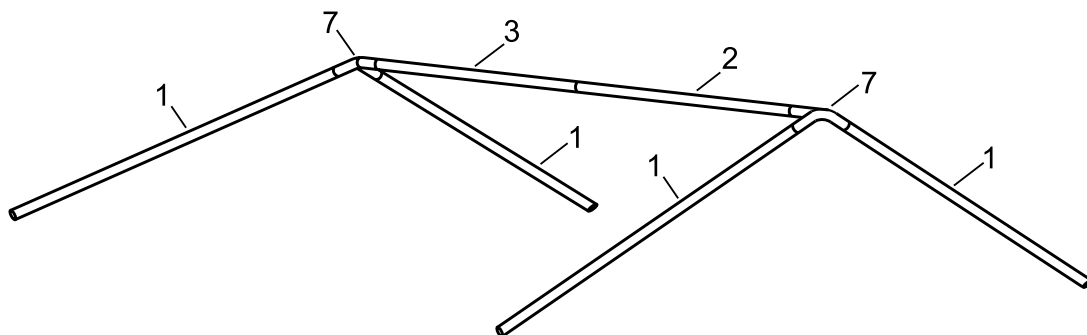
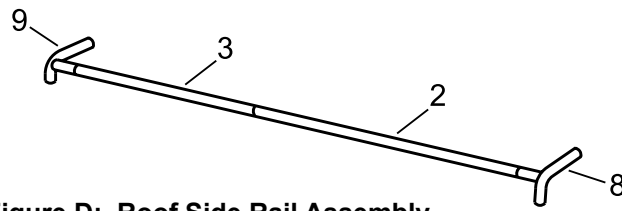


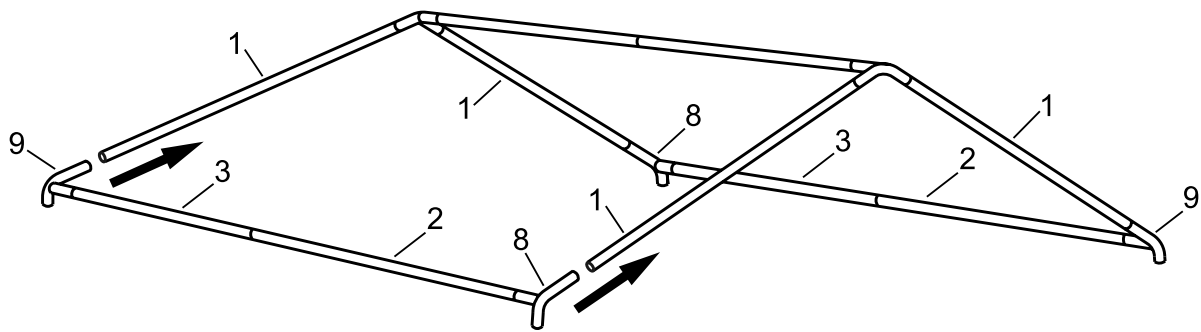
Figure C: Rafter Assembly

3. Assemble a roof side rail using a 3-Way Side Connector B (9), an Extension Pole (2) connected to a Joist (3), and then a 3-Way Side Connector A (8) on the far end. The combined Extension Pole/Joist assembly (2, 3) connects to the straight ends of the Connectors, and the curved ends of all Connectors must face up angled the same direction, as shown. If that is not the case, incorrect Connectors were used, or they were assembled backwards.



**Figure D: Roof Side Rail Assembly**

4. Assemble a second identical roof side rail by repeating the instructions in step #3.
5. Connect the roof side rail assemblies to the ends of the Rafters (1), as shown below.

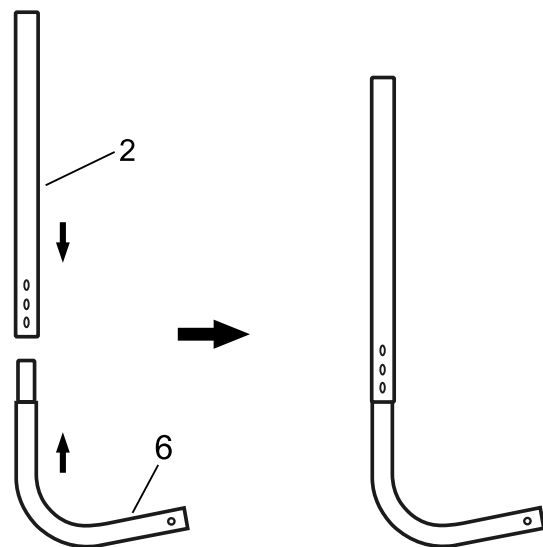


**Figure E: Roof Side Rail Installation**

6. Make sure all parts assembled up to this point are firmly joined together. Tap parts together gently with a rubber mallet (sold separately) if needed.

## Leg Assembly

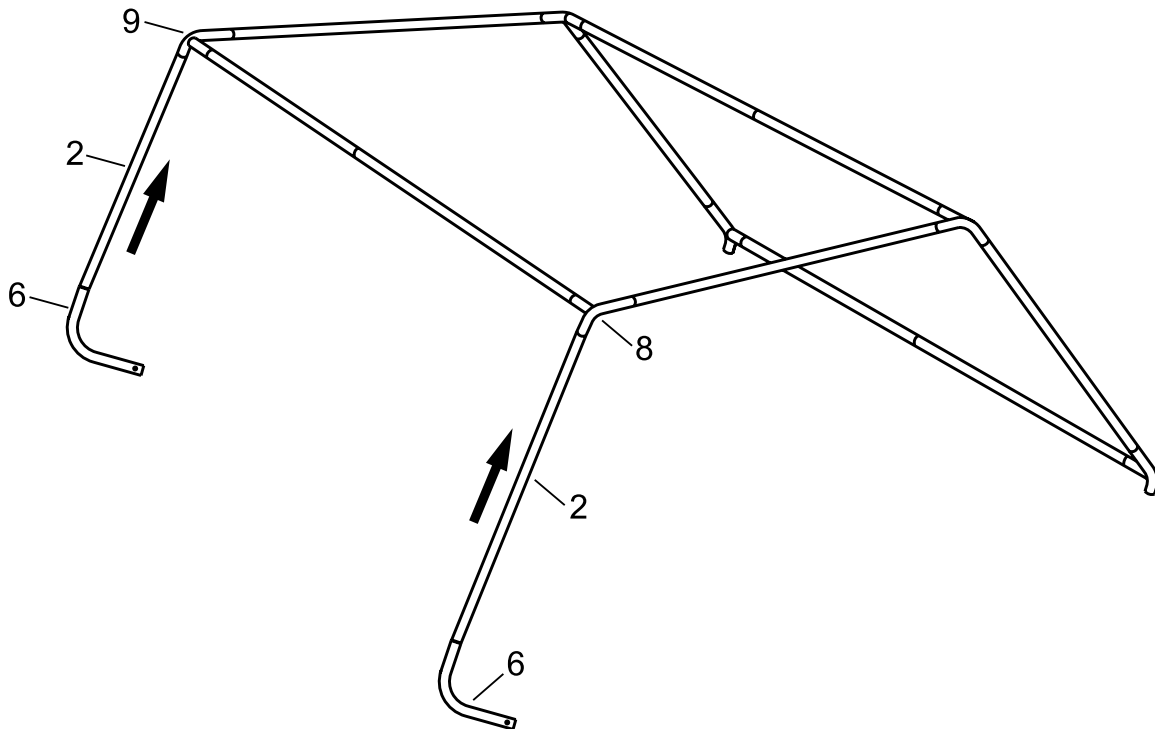
Assemble an Extension Pole (2) to each of four Corner Legs (6) as shown.



**Figure F: Corner Leg Assembly**

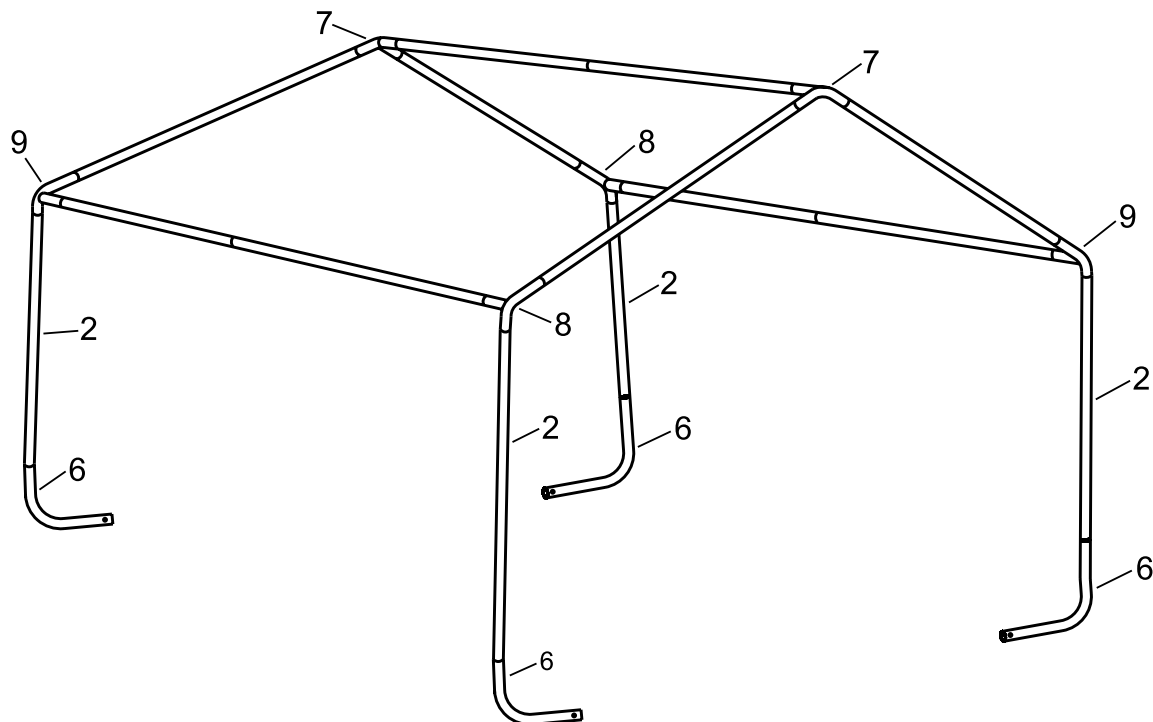
# Leg Assembly Installation

1. Have assistants raise one side of the roof assembly.
2. Install two corner leg assemblies (2, 6) into the 3-Way Side Connectors A/B (8, 9) with the Corner Legs (6) facing inward.



**Figure G: Leg Assembly Installation**

3. After the first two legs (2, 6) are in place, rest that side of the assembly on the ground, and raise the other side.
4. Install two remaining corner leg assemblies (2, 6) on the other side of the roof, as explained in step #2, above.



**Figure H: Leg Assemblies Installed on Both Sides**

5. Make sure all parts assembled up to this point are firmly joined together. Tap parts together gently with a rubber mallet (sold separately) if needed.

## Bottom Rail Assembly

1. Assemble the two bottom cross rails by connecting Bottom Rail A (4) to Bottom Rail B (5).
2. Attach the combined Bottom Cross Rail assemblies (4, 5) to the Corner Legs (6) using 3-Way Bottom Rail Clamps (10), M6 Nuts (12), M6x40 Bolts (13), and M6 Washers (14), as shown below. Only finger tighten the Nuts at this point.
3. Make sure that both Bottom Rails are of the same height from the ground, then tighten all Nuts.

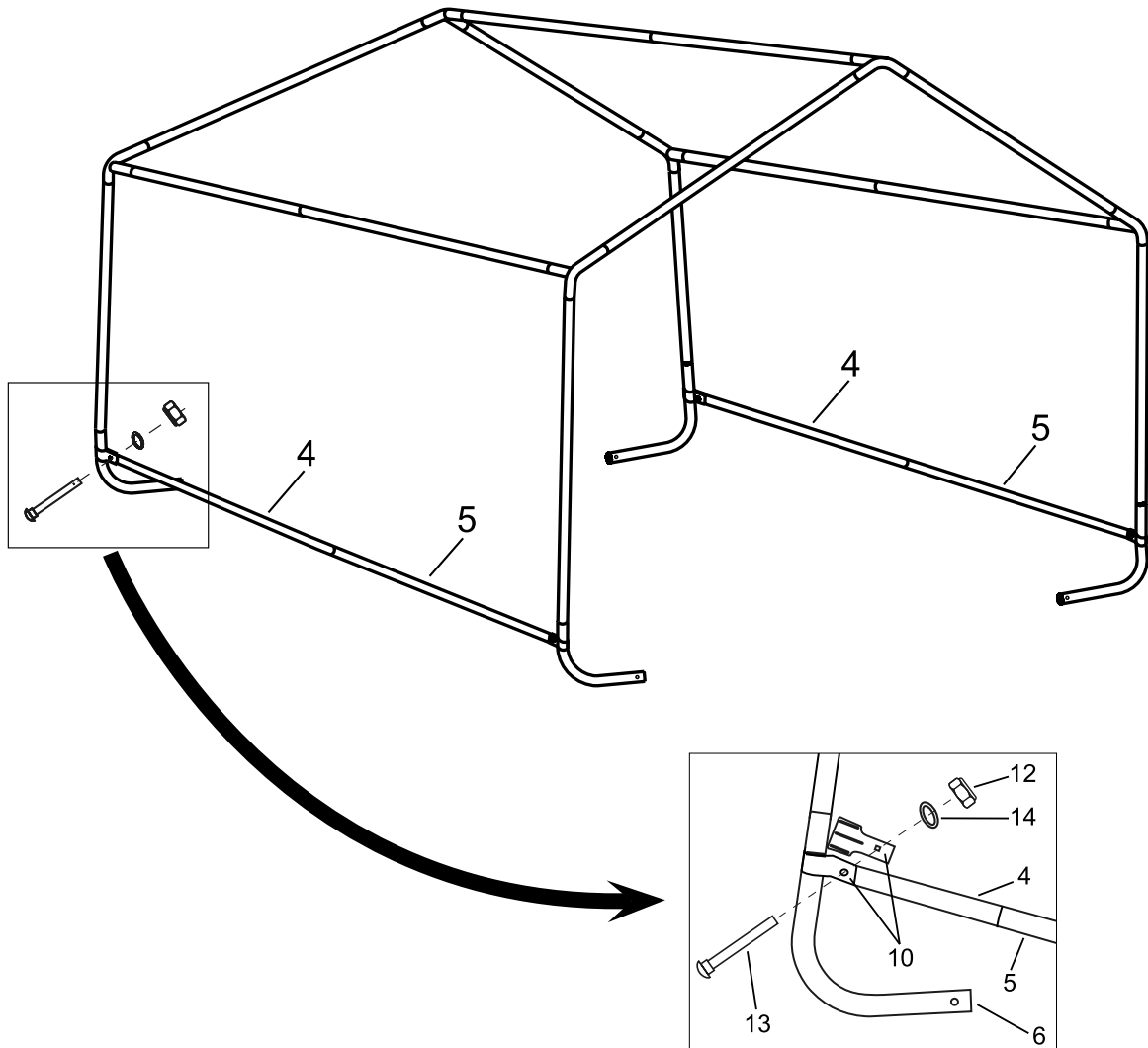


Figure I: Bottom Rail Installation

## Anchoring Frame

### **⚠ WARNING**

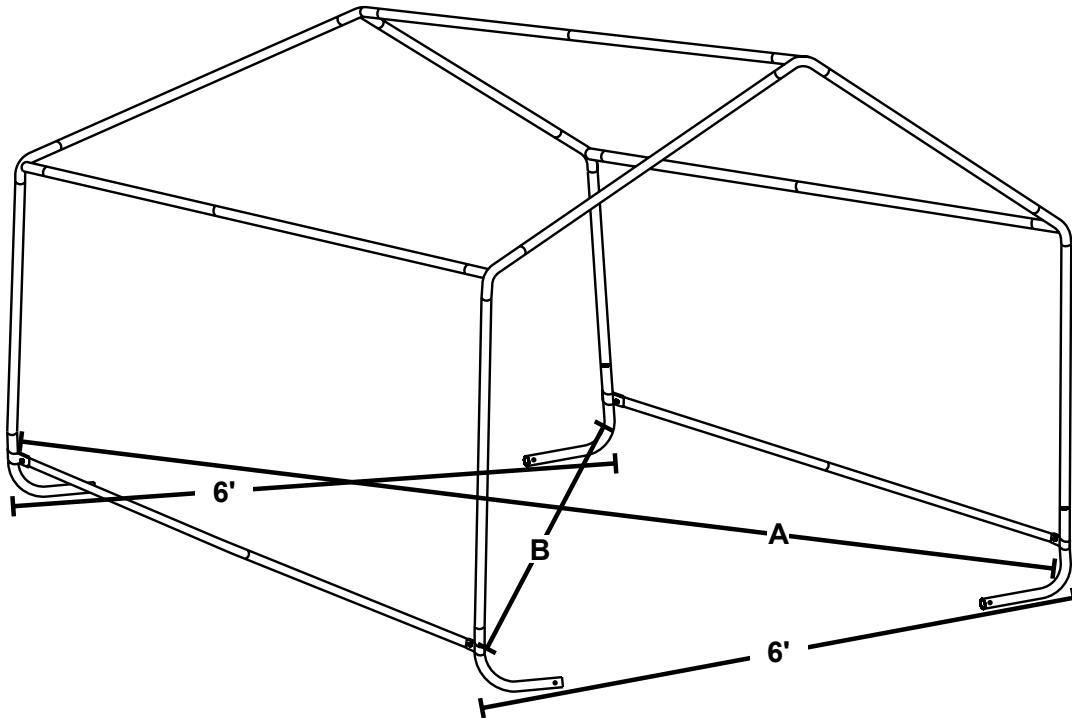
**TO PREVENT SERIOUS INJURY:** Contact local utility companies to ensure that the installation area is free of pipes, cables, and other hazards **BEFORE** installing anchors or choosing installation area.

1. Position the frame in the desired installation location.  
The location must be flat, level, and stable with good locations for the Anchors (18).
2. Level the frame end-to-end and side-to-side.



3. Measure the width of the frame at front and back. It should be 6' wide.  
The distance diagonally in one direction should be equal to the distance diagonally in the other direction.  
If any measurements do not match, adjust the frame and retake measurements until they are equal within a reasonable tolerance.

**Note:** If measurements cannot be made correct, then parts may not be seated together properly.

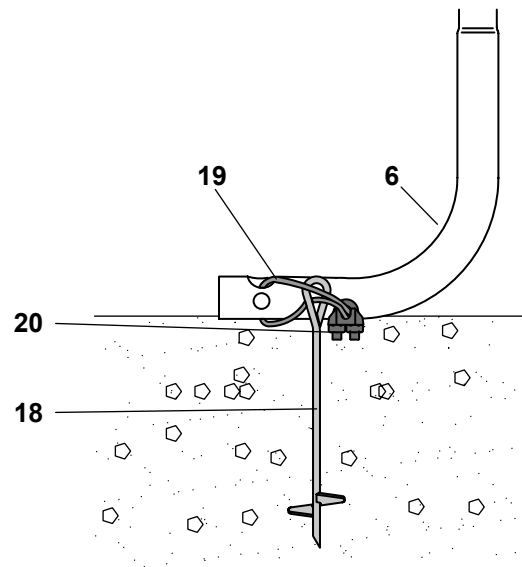


**Figure J: Verify and Adjust Frame Measurements**

4. Once the frame is positioned, leveled, and squared, anchor the four Corner Legs (6) as follows:
  - a. Thread the Anchor (18) into the ground near the Corner Leg (6) until the top of the Anchor only extends about 3" above the ground.

**Note:** Verify that there are no utility lines nearby before driving Anchors. If there are rocks or other obstacles, holes may need to be drilled first to allow proper anchoring.

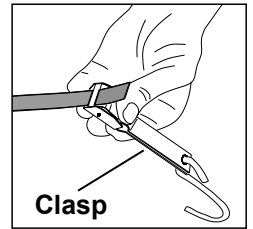
- b. Insert a Cable (19) through the Anchor and through the Corner Leg, as shown.
  - c. Pull the Cable tight and secure it using a Cable Clamp (20). Make sure both ends of the Cable go through the Clamp. Tighten the two nuts on the Cable Clamp evenly to secure the Cable.
  - d. Repeat for all four Anchors and Corner Legs.



**Figure K: Anchoring**

# Door and Back Cover Installation

1. Position the Door Cover (17) near where you want the front of the Greenhouse, and turn it so that the zipper faces the outside of the Greenhouse, and the warning tag faces inside.
2. Locate the webbed strap that runs through the hem on the Cover flaps and around the perimeter of the Cover. Thread each end of the strap at the bottom of the Cover through the spindle of a Clasp (21) to keep the strap in place during assembly.
3. From the inside, place the gap at the top center of the Door Cover around the 3-Way Ridge Connector (7) and wrap the Cover flaps around the Rafters (1), as shown below. Unlock the strap buckle, slip the strap around the 3-Way Ridge Connector and relock the buckle.



Note that the Door Cover's flaps wrap around the Rafters, and the strap is positioned inside the frame. DO NOT ATTEMPT TO INSERT ANY FRAMEWORK TUBING INTO THE HEM ON THE COVER FLAPS.

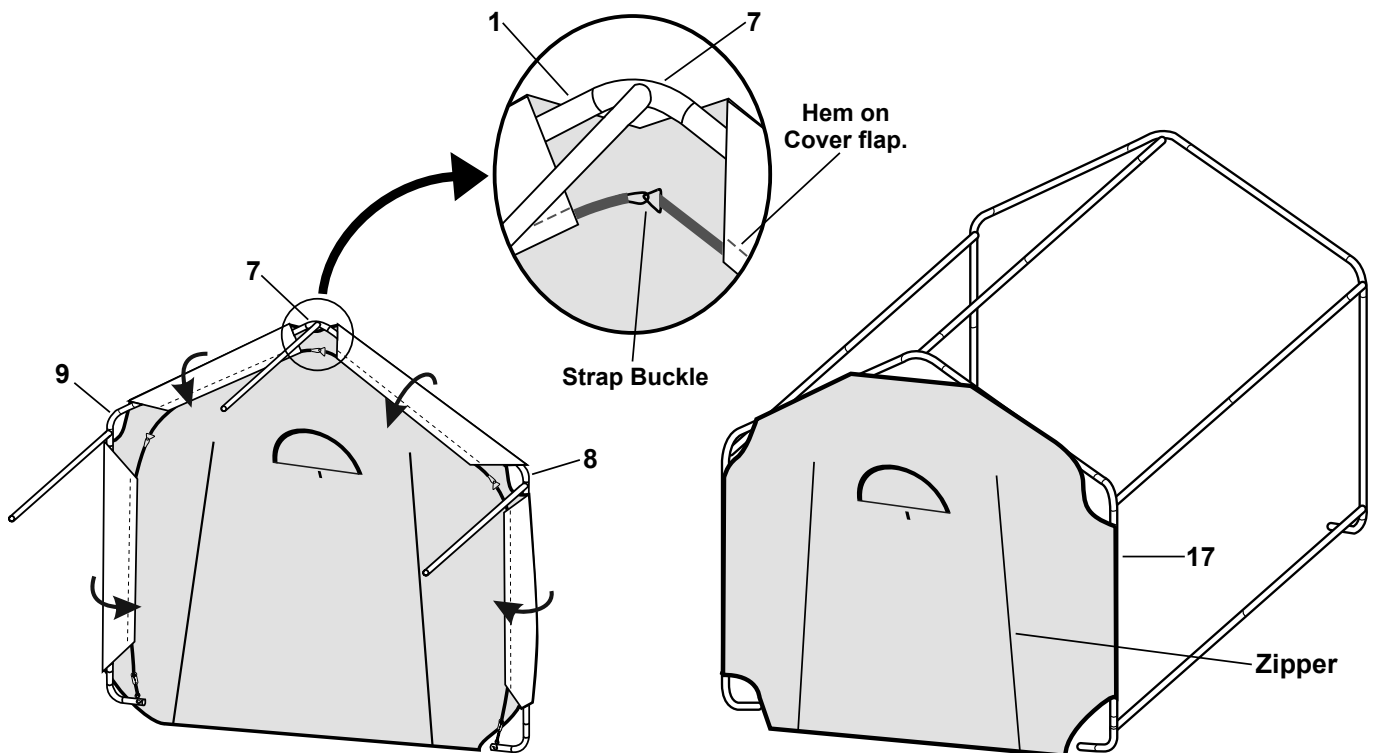


Figure L: Door Cover Installation

4. Repeat step #3 for the 3-Way Side Connectors A/B (8, 9) so that the Door Cover (17) looks as shown in the illustrations above.
5. Use the previously attached Clasps (21) to attach the Cover to the Corner Legs (6). Insert the S-Hooks on the Clasps into the inside holes on the Corner Legs. Pull strap to tighten. Refer to Figure M: Securing Door Cover.

**NOTICE:** Excessive tightening will damage straps, Covers, and Corner Legs.

6. Repeat steps #1 – 5 above to install the Back Cover (16) to the other end of the Greenhouse.

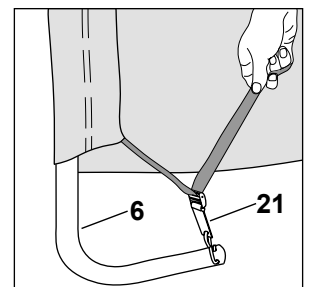


Figure M: Securing Door Cover

# Roof Cover Installation

1. Lay the Roof Cover (15) on the ground next to the frame. Make sure that the edges with black straps are alongside the Door/Back Covers (16, 17) with the fabric tubes facing upwards. Refer to Figure N: Roof Cover.
2. With assistance, pull the Cover over the frame. Make sure that the Roof Cover is centered on the frame. Use a ladder if necessary. If small adjustment is needed, two people should pull together from the same end of the Greenhouse so that the Roof Cover does not become twisted.

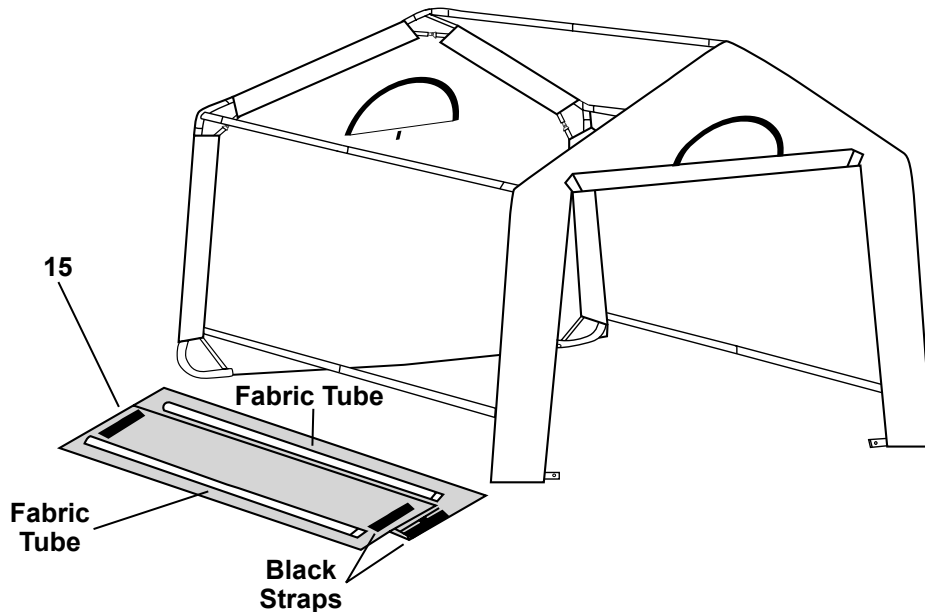


Figure N: Roof Cover

3. Remove the M6 Nuts (12), M6x40 Bolts (13), M6 Washers (14), and 3-Way Bottom Rail Clamps (10) to detach one Bottom Rail assembly (4, 5). Insert the Bottom Rail assembly into the fabric tube on one side of the Roof Cover (15), as shown below. Reattach the Bottom Rail to the Corner Legs (6) using the just-removed hardware. Only finger tighten the Nuts at this point.
4. Repeat step #3 above for the other side of the Roof Cover.
5. Make sure the Bottom Rails are level, horizontal, and of the same height from the ground, then tighten all Nuts (12).

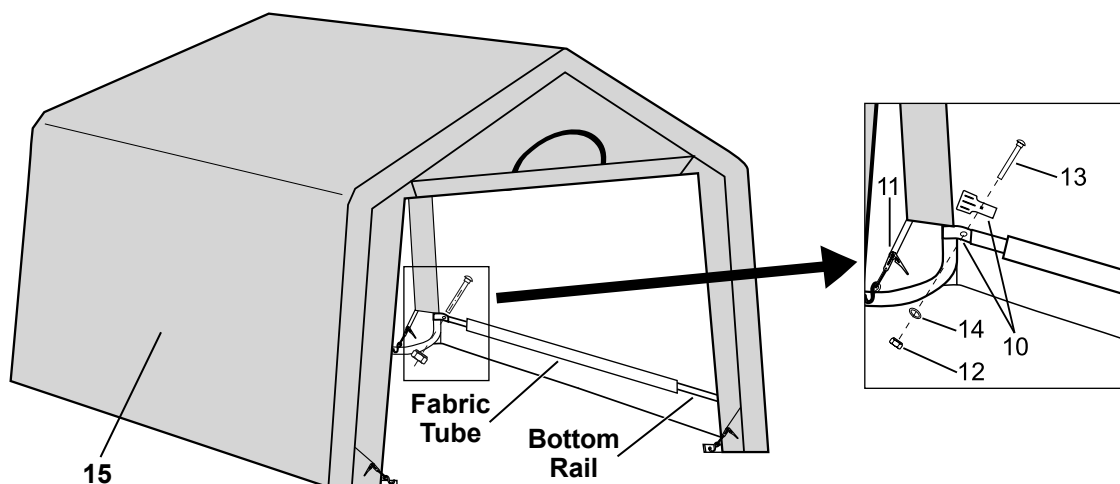


Figure O: Insert Bottom Rails

6. Secure the four corners to the Corner Legs (6) using Ratchet Tie-Downs (11). Refer to Securing Ratchet Tie-Downs on page 12.

**Note:** The bottom edges of the Roof Cover below the Bottom Rails may be rolled up and secured with the Ball Tie-Downs (22) for ventilation if required.

# Securing Ratchet Tie-Downs

SAFETY

1. Thread the strap through the spindle of the Ratchet Tie-Down (11) as far as it will go.

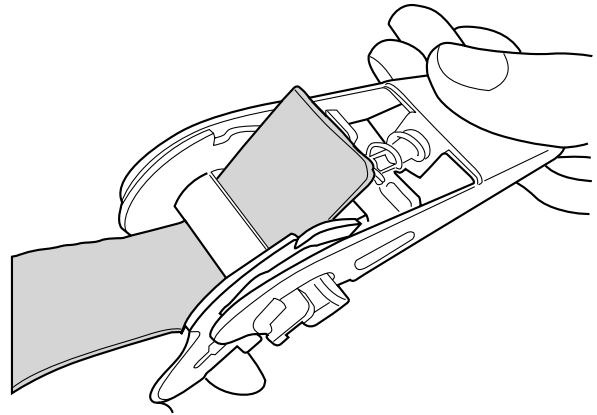


Figure P: Threading Strap Through Spindle

2. Insert the S-hook of the Ratchet Tie-Down into the outside hole in the Corner Leg (6).

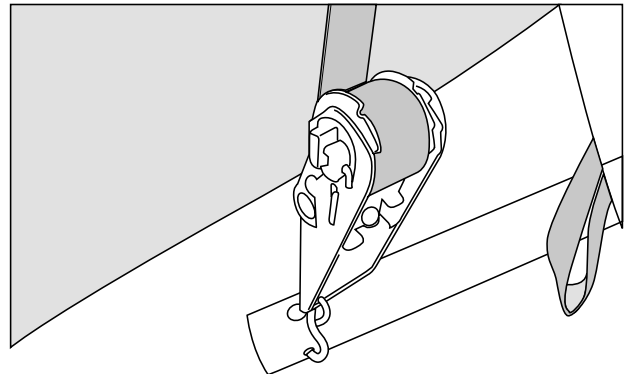


Figure Q: Inserting Hook into Corner Leg

3. Lift and lower the Ratchet's handle to wind and tighten the strap onto the spindle.

**NOTICE:** Excessive tightening will damage straps, Covers, and Corner Legs.

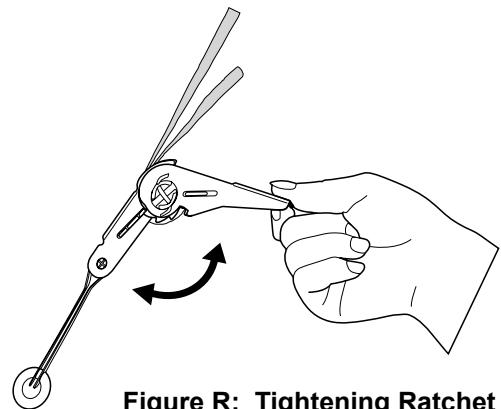


Figure R: Tightening Ratchet

## Releasing Ratchet Tie-Downs

1. Depress the spring-loaded bar on the handle.
2. Open ratchet handle completely.
3. Unwind the strap.

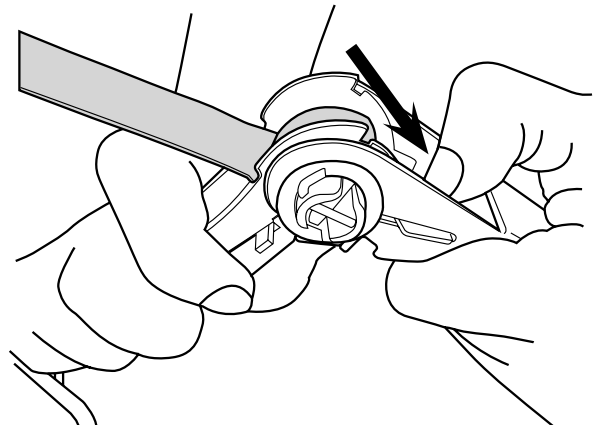


Figure S: Releasing Ratchet

ASSEMBLY

MAINTENANCE

## Maintenance



Procedures not specifically explained in this manual must be performed only by a qualified technician.

### **!WARNING**

**TO PREVENT SERIOUS INJURY FROM PRODUCT FAILURE:**

Do not use damaged products. If damage is noted, have the problem corrected before further use.

## Inspection

**MONTHLY**, inspect the general condition of the Greenhouse. Check for:

- loose ratchet tie downs, anchors, tube connections, and rail clamps (tighten as needed)
- torn or frayed covers, ropes, or cables
- cracked, bent, or broken parts
- any other condition that may affect its safe operation.

## Cleaning

1. Immediately remove any accumulated debris from the cover with a broom, mop, or other soft-sided instrument from the outside. **DO NOT** use sharp instruments.
2. **PERIODICALLY**, clean cover with mild soap and water. **DO NOT** use bleach or harsh abrasive products.

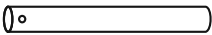

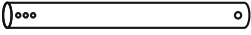
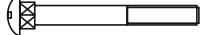


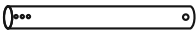

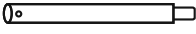




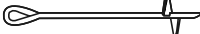






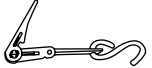

## PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LISTS IN THIS DOCUMENT AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

## Parts List and Diagram

### Parts List

**Note:** Individual part illustrations not to scale.

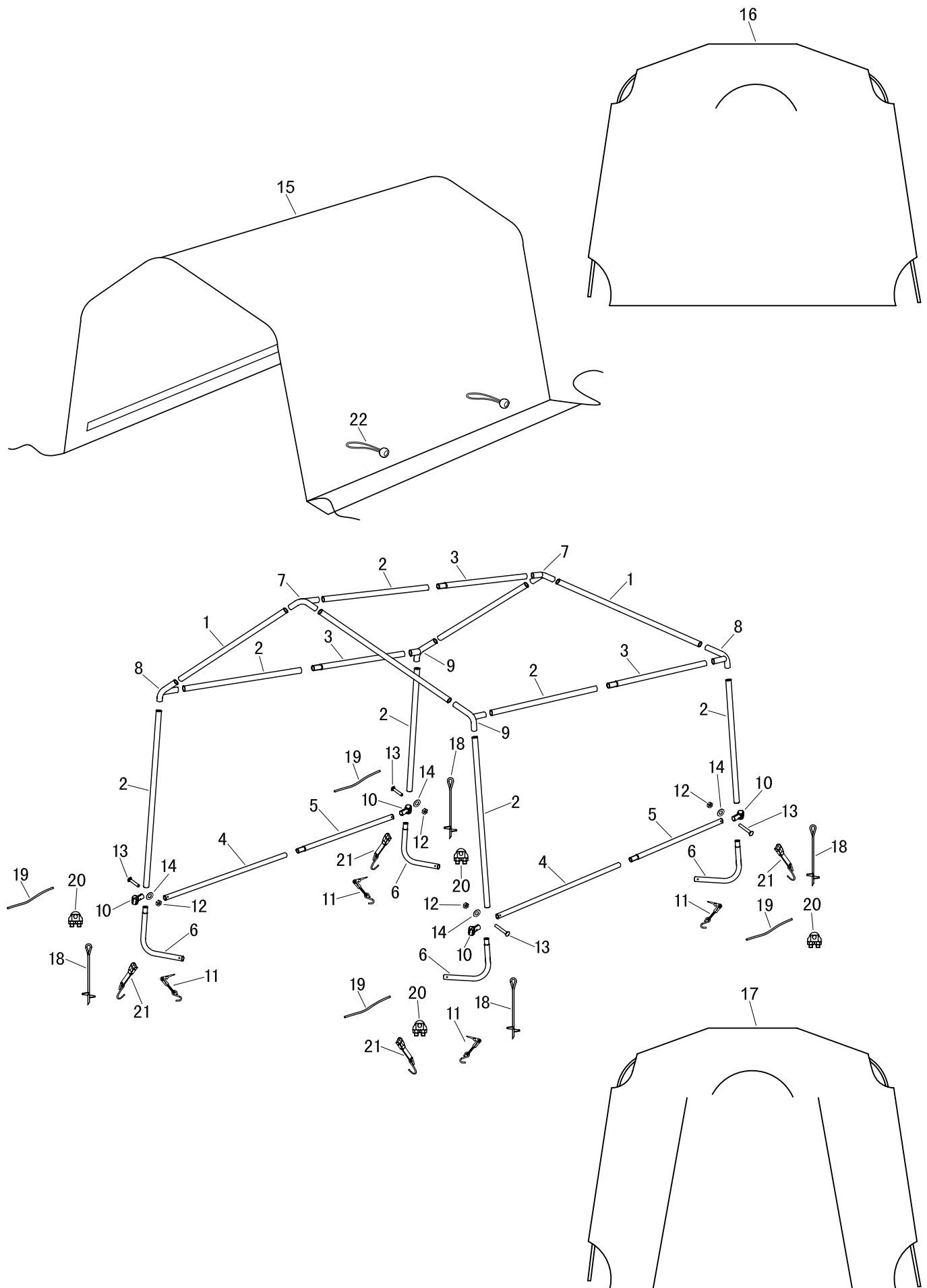
Part	Description	Illustration	Qty	Part	Description	Illustration	Qty
1	Rafter		4	12	M6 Nut		4
2	Extension Pole		7	13	M6x40 Bolt		4
3	Joist		3	14	M6 Washer		4
4	Bottom Rail A		2	15	Roof Cover		1
5	Bottom Rail B		2	16	Back Cover		1
6	Corner Leg		4	17	Door Cover		1
7	3-Way Ridge Connector		2	18	Anchor		4
8	3-Way Side Connector A		2	19	Cable-1' (30cm)		4
9	3-Way Side Connector B		2	20	Cable Clamp		4
10	3-Way Bottom Rail Clamp		8	21	Clasp		4
11	Ratchet Tie-Down		4	22	Ball Tie-Down		4

**Record Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

# Assembly Diagram



SAFETY

ASSEMBLY

MAINTENANCE

## Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

