



Note: Photo may be of a different but similar model

Instruction Manual

24' MooTel™ Calf Hutch
14' Wide x 8' High x 24' Long
SKU #102854

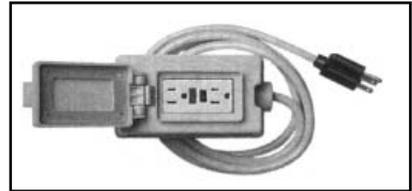
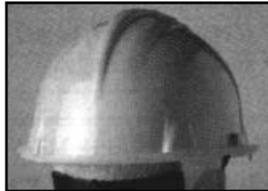
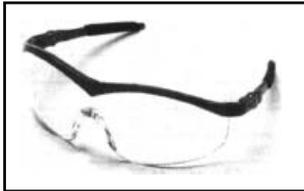
Introduction

Thank you for purchasing the ClearSpan™ Poly Shelter. We appreciate your patronage. We hope you enjoy building and utilizing your shelter. Please read this entire instruction manual before starting to assemble your shelter. If you require assistance during the construction process you may call us at 1-800-245-9881.

A Word About Safety

Just as we want you to be pleased with your assembled shelter, we don't want you to get hurt in the process of building it! Our suggestions include the following:

- Wear eye protection when drilling and power-screwing.
- Wear head protection when working with/under heavy parts including metal tubing.
- Wear gloves when handling metal tubing due to sharp or rough ends.
- Use a portable GFCI when working with corded power tools.
- Never erect a shelter directly under power lines.
- Be careful not to drive anchors into buried power cables.
- Do not climb on the shelter or its frame. It is not designed to support human weight.
- If the shelter is enclosed, provide proper and adequate ventilation.
- Do not store hazardous materials in the shelter without proper ventilation and precautions.
- If both ends are covered, provide proper ingress and egress to prevent entrapment.
- Do not occupy the shelter during very high winds, hurricanes, or tornadoes.
- If shelter is moved after construction, inspect shelter thoroughly before reuse.
- Use common sense at all times.



Required Tools

Before you start to build your shelter you should assemble the following tools:

- Tape Measure at least as long as your shelter
- Fine Point Marker to mark locations on tubing
- Electric Drill/Driver (cordless preferred)
- Scissors
- Step ladder tall enough to safely work at the height of your shelter
- Two 30-foot pieces of rope

IMPORTANT - Read Anchoring Instructions

You must read the anchoring instructions packed with your kit prior to shelter assembly!

Selecting a Location

It is important to select a proper location for your poly shelter. While the location may have been predetermined before you even ordered your shelter, you may want to “improve” the location before starting the assembly process.

One of the most important considerations is that the location should be level. If it is not, the shelter’s frame will not assemble or sit properly. If your location is not level, you should consider grading it before building on it. Another alternative is to provide footings which are level to support the shelter. These could be pressure-treated posts, precast concrete blocks, or poured in place footings.

Drainage is another important consideration. Rain flowing off your shelter should have a natural path to flow away from the shelter and not under or into it.

Section A - Unpack & Identify Parts

Step 1: Before you begin to assemble your shelter you should first unpack the contents of your shipment. During this process you will learn what all of the various parts look like.

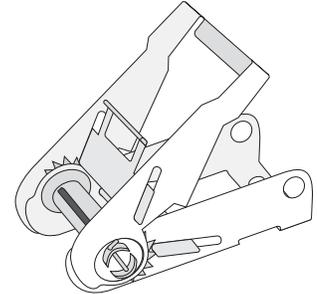
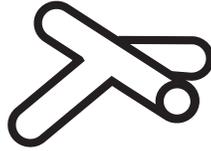
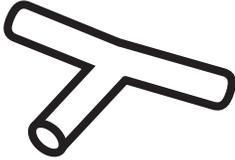
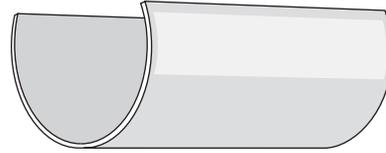
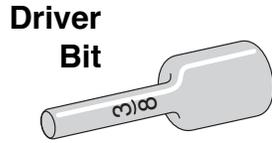
Tip: We recommend you start by laying out the contents of your shipment in an orderly fashion as shown in the photograph below. Note that your parts may look different from those shown.



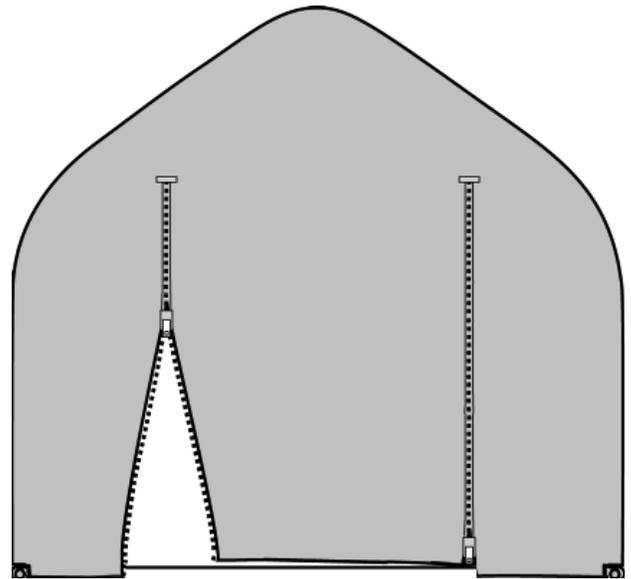
Step 2: Carefully go through the bill of material that came with your shelter and verify that you have all the required parts.

Tip: It is not necessary to open the plastic bags and count all of the fasteners at this time.

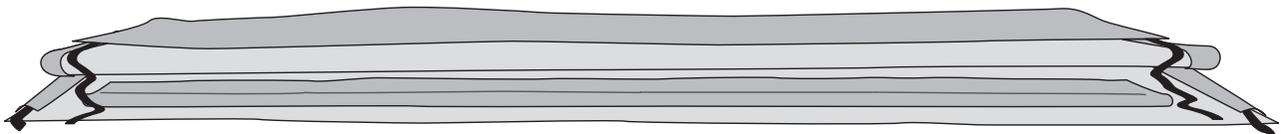
Parts Identification



Conduit (only swaged is shown)



Zippered End Panel



Cover

Note: Illustrations are not to scale.

IDENTIFICATION NOTE

ADDITIONAL PARTS IDENTIFICATION NOTES

In some instances, there can be differences between the parts that are shown and referenced in the instructions and the parts that are shipped with the shelter. These differences *do not* affect the integrity of the shelter, but can change the assembly procedures.

The information that follows identifies possible changes in the assembly procedure found in this instruction document. *Please implement these changes during the assembly of the shelter.*



3-Way Coupler (no lock bolt)



3-Way Coupler (includes lock bolt)



4-Way Coupler (no lock bolt)



4-Way Coupler (includes lock bolt)

There can be two types of couplers used during the assembly of the shelter: those that include an installed locking eyebolt and those that do not. See above.

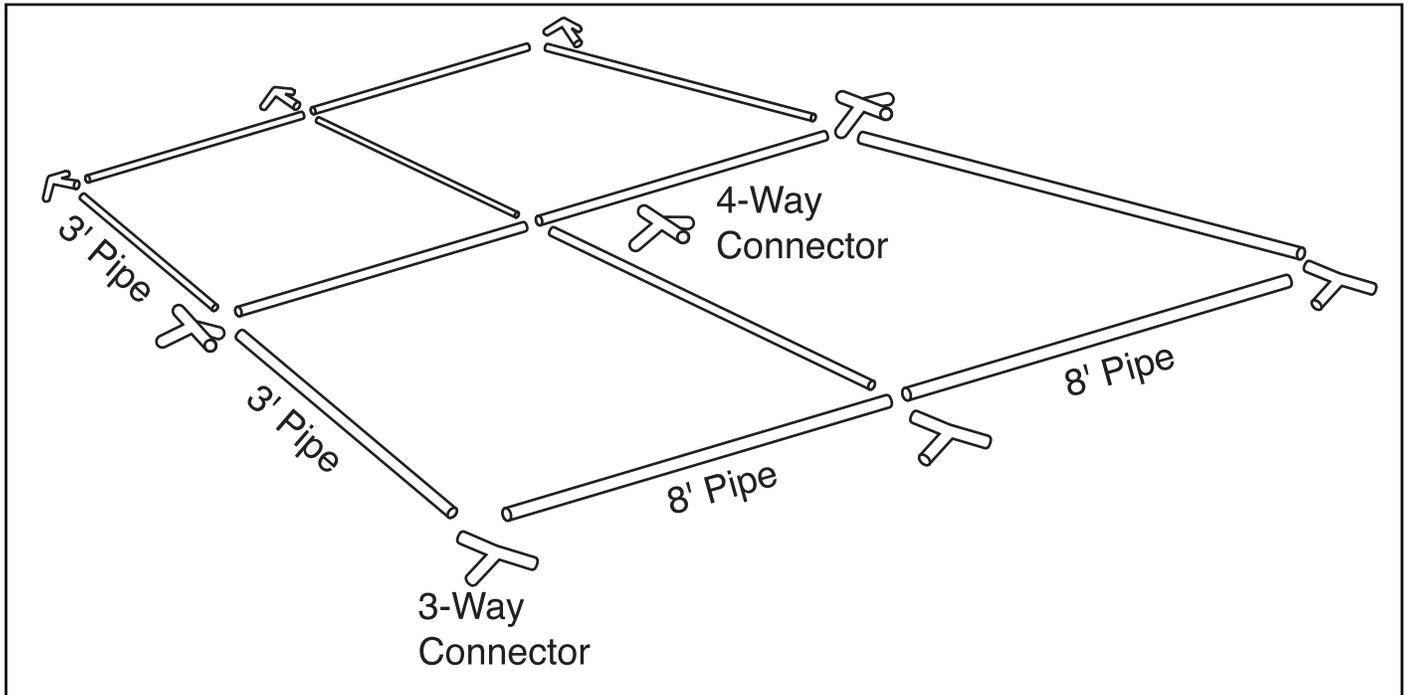
If the couplers included with your shelter do not have an installed lock bolt, use a *self-tapping Tek screw* to secure the different pipes to the couplers during the assembly process. The self-tapping Tek screws are included with the shipment.

⚠ WARNING: To prevent personal injury and damage to the shelter, a Tek screw *must be installed and tightened* at each pipe and coupler joint.

To prevent cover damage, install the Tek screw so that it *does not* touch the main cover or any optional side or end panels.

Section B - Frame Assembly

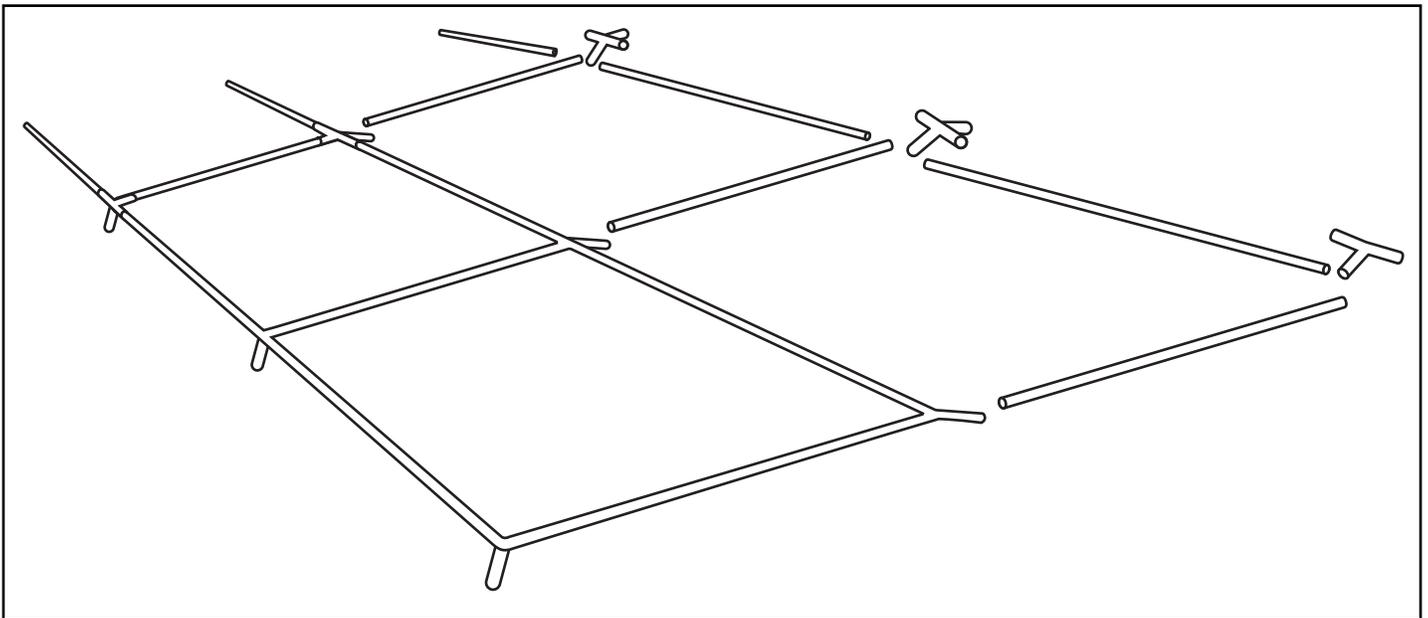
Step 1: Arrange the roof pipes on the ground adjacent to the correct couplers as illustrated.



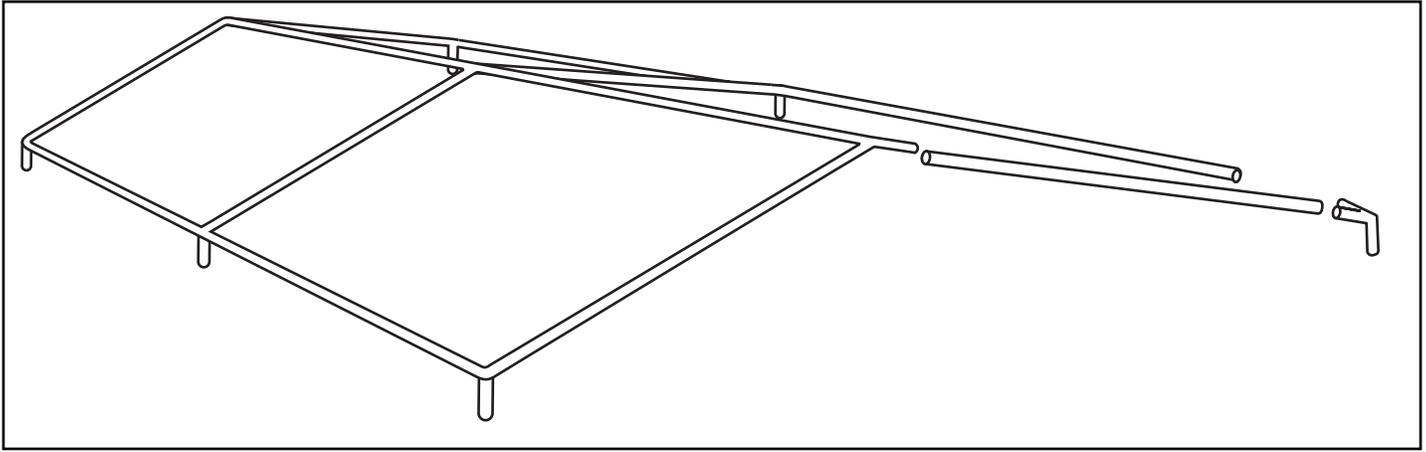
Typical Roof Frame Parts Laid Out
(length / section count may not match your shelter)

Step 2: Start by assembling a ridge pipe of (8) 3' pipe sections with a 3-way coupler on each end and 4-way couplers between the pipe sections.

Step 3: Connect the other pipes and couplers as illustrated.



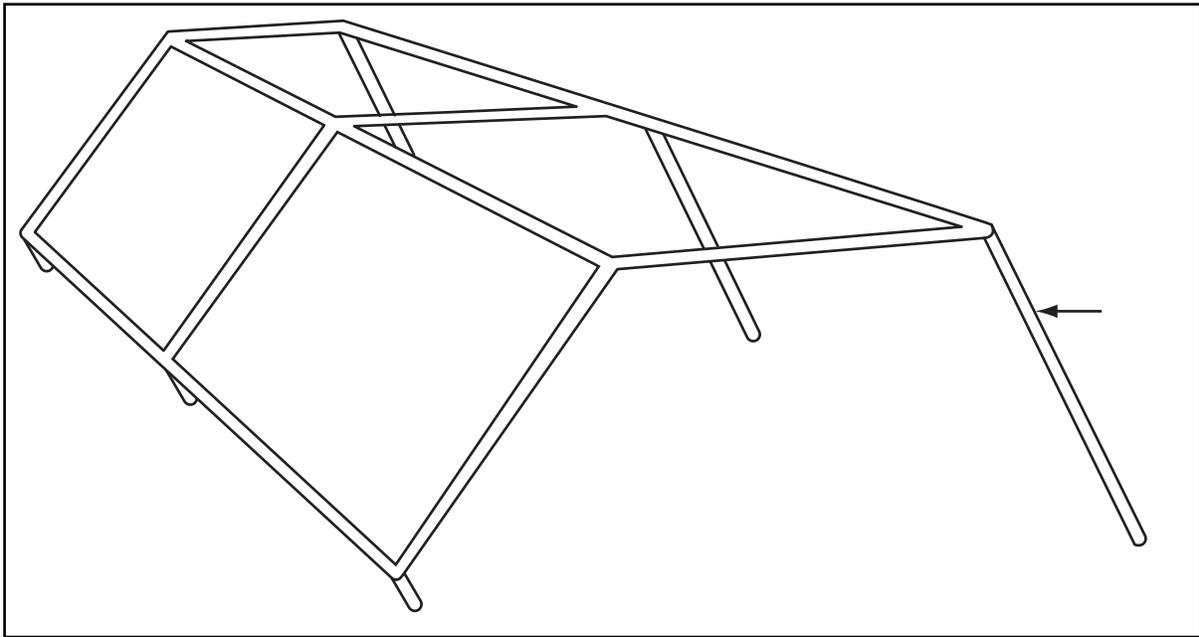
Roof Frame Assembly



Roof Frame Assembly, continued

(length / section count may not match your shelter)

Step 4: Lift one side of roof and slide in the leg poles as shown below. Then lift the other side and insert the remaining leg poles.



Leg Pole Assembly

(length / section count may not match your shelter)

Your completed frame can simply be stood up on the ground, or it can be attached to pressure-treated wood 4x4's (or 6x6's). Mounting the frame upon 4x4's allows you to more easily move the shelter such as by pulling it with a tractor. As this is the most common installation, the following steps document how to proceed.

Step 5: Arrange pieces of 4x4 lumber (not supplied) end-to-end about 2' longer than the length of your shelter. You may have to cut down long pieces or assemble several shorter sections.

Step 6: Before assembling sections together, make a 45 degree cut on the ends of the end pieces. This will facilitate dragging the shelter in either direction as the 4x4's will act as sled runners.

Step 7: Connect the 4x4 sections together using angle iron (not supplied) or other suitable means.

Tip: Using perforated angle iron as shown makes installing screws easier.



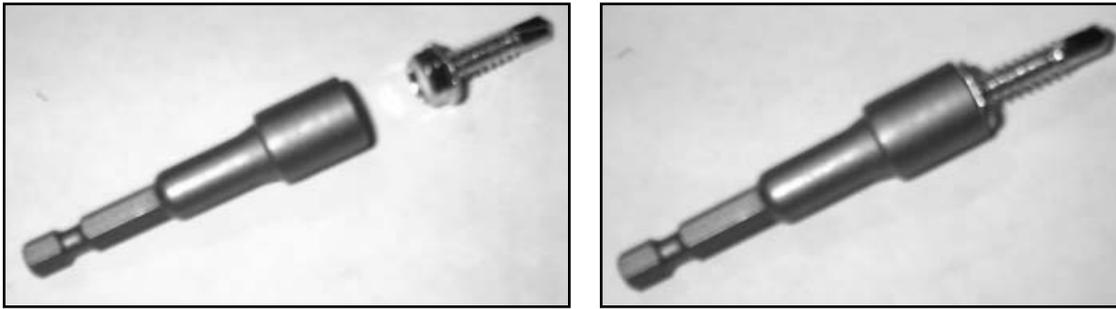
Step 8: Drill a hole into the top of one of your 4x4's about 1' in from the end to accommodate the first leg. The drill size should accommodate your leg tubing (ie. 1-3/4") and go about 2" deep.

Step 9: Repeat the above step for the other legs using a distance from hole to hole of 36" on center.

Step 10: Locate the 4x4's adjacent to your shelter legs. Raise the shelter, slide the 4x4 assembly into position, and insert the leg poles into the holes you drilled in the 4x4's. Repeat on the other side of your shelter.



Step 11: Install the supplied 5/16" hex driver bit into the chuck of your drill/driver.



Step 12: Drive a 2" long Tek screw from the side through the 4x4 and into the pipe at each leg to secure the legs in the 4x4.

Section C - Install End Panels

DO NOT INSTALL END PANELS ON A WINDY DAY AS DAMAGE TO THEM MAY RESULT!

Step 1: Locate the end panels and door conduit sections.

Step 2: Lay an end panel out on the ground near an end of your shelter. The long black straps go on the inside, and the d-rings go on the outside of the shelter.

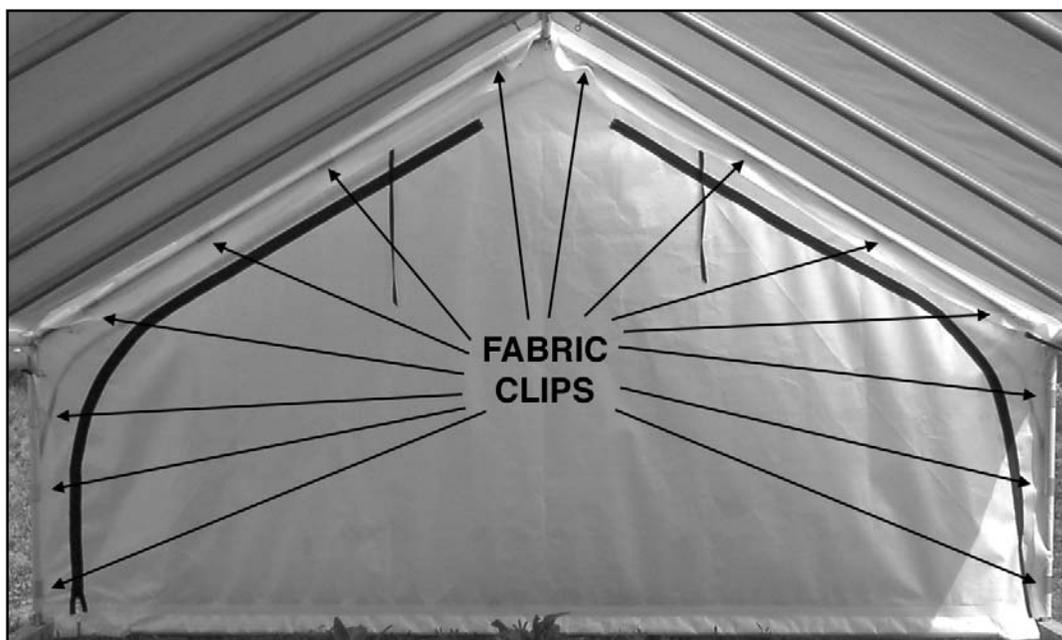
Step 3: While standing inside the shelter, start at the peak of the end rafter and pull the end panel over the top of the rafter so the material edge is on the inside of the rafter.

Step 4: Secure the panel in place on both sides of the top center with a fabric clip.

Step 5: Move outward in both directions, placing one fabric clip every 24."

Step 6: Secure each fabric clip to rafter with a Tek screw (on side where it won't contact cover).

Step 7: Repeat the above steps to attach the other end panel at the opposite end of the shelter.



Step 8: Assemble a pair of door conduits using one swaged and one unswaged pipe for each one.

Step 9: Slide a door conduit into the hem of the door panel at each end of your shelter.

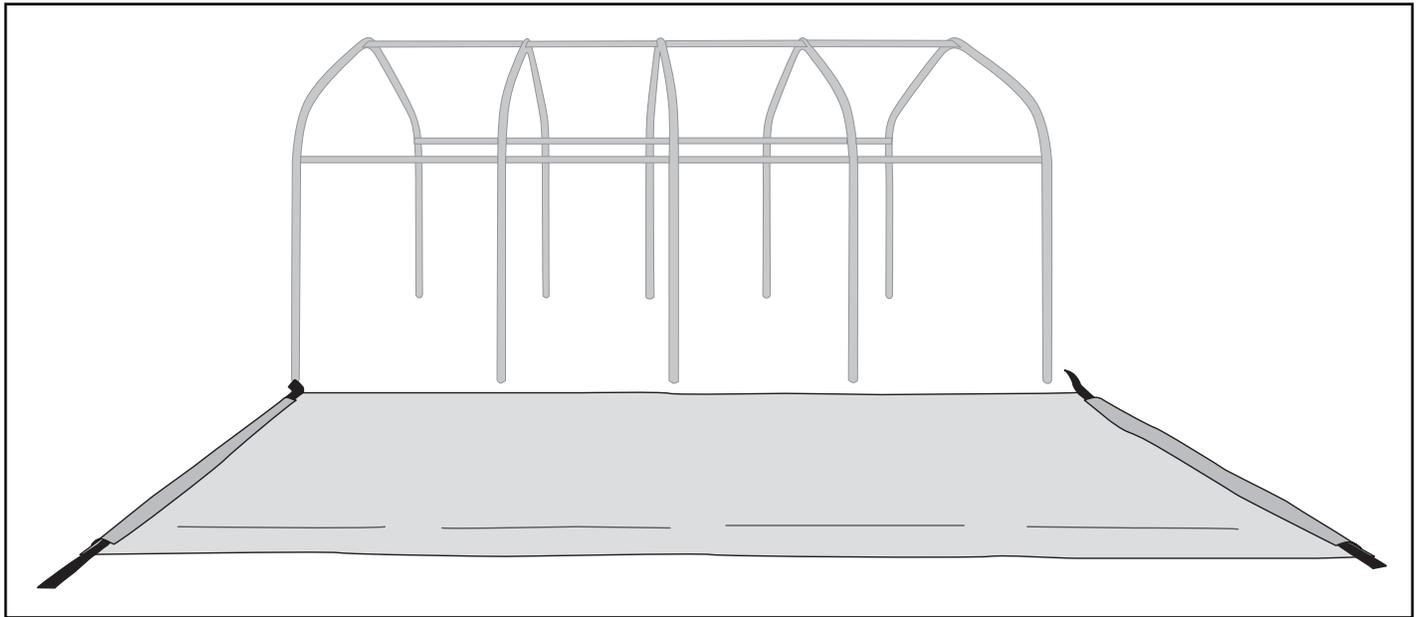
Step 10: Secure the door conduits in the hem with fabric clips spaced every 3' or so.

Section D - Install Main Cover

DO NOT INSTALL COVER ON A WINDY DAY AS DAMAGE TO IT MAY RESULT!

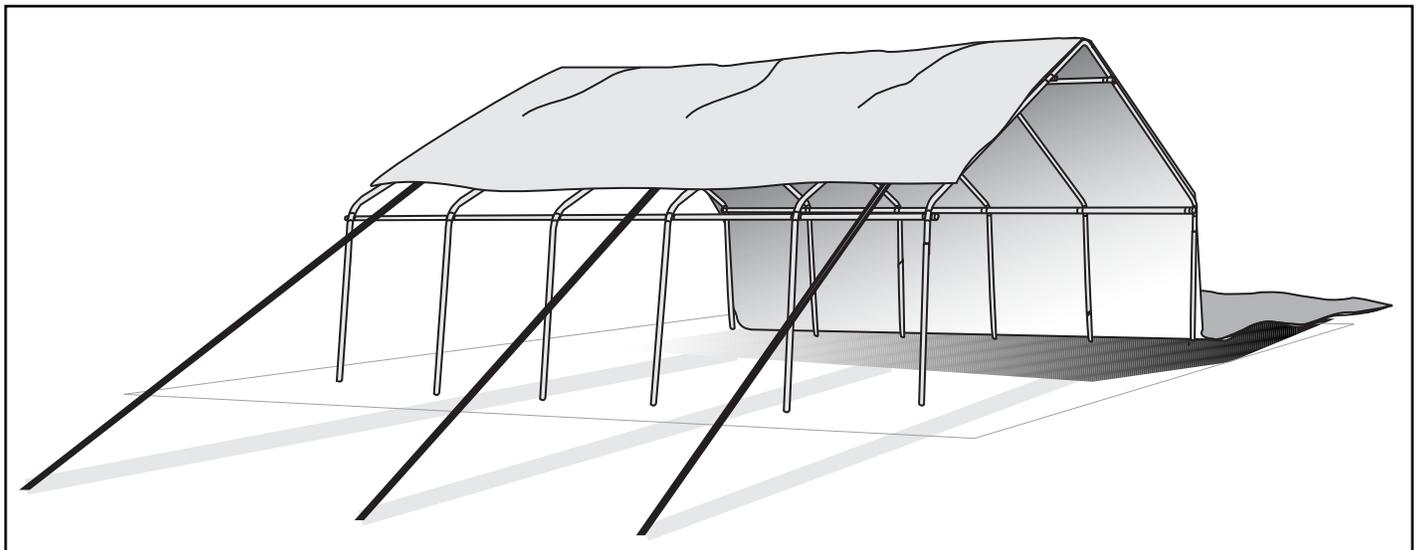
Step 1: Unpack the main cover and unfold it completely with the inside surface facing up.

Tip: The ends with black straps in the hems correspond to the front and back of the shelter.



Step 2: On most shelters, the cover can be pulled over the frame. First, attach ropes to the cover.

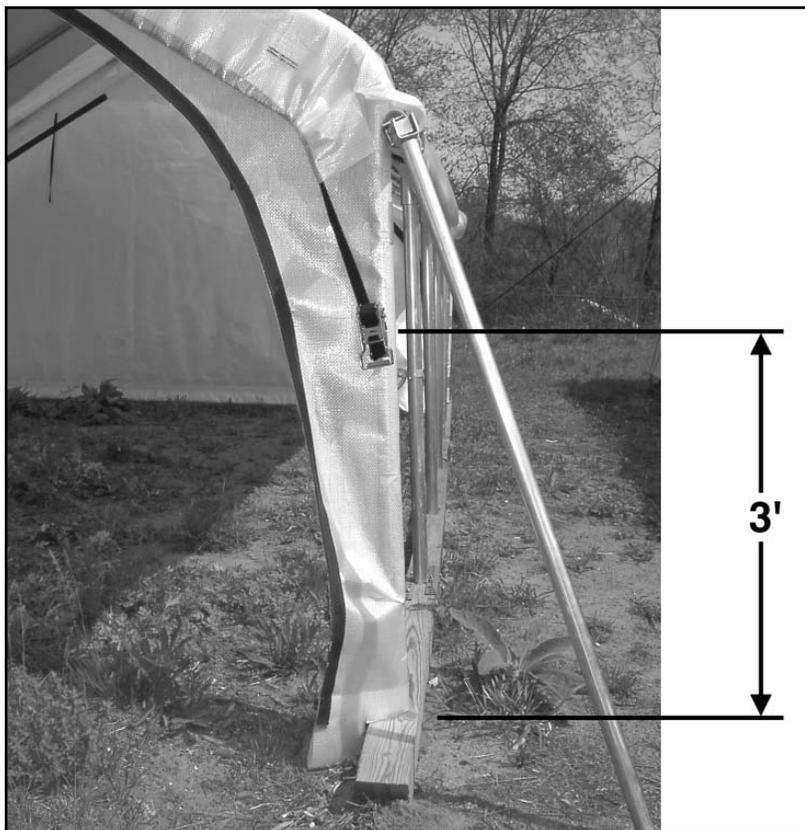
Step 3: Then pull the ropes over the top of the shelter. Two or more people are recommended.



Step 4: Center the cover front to back and side to side.

Step 5: In the front and rear hems, locate the black straps.

Step 6: Fasten a ratchet to the outside of the end leg with a 3/4" Tek screw in the bottom hole of the ratchet. The ratchet should be located 36" up from the ground. Repeat in all four corners.



Step 7: Snug both corner straps on each end by pulling on them manually. Have a partner help you so you can pull on both straps for an end at the same time.

Step 8: Cut off the excess strap leaving 12" in length.

Step 9: Feed the strap through the center slot in the ratchet and tighten slightly.

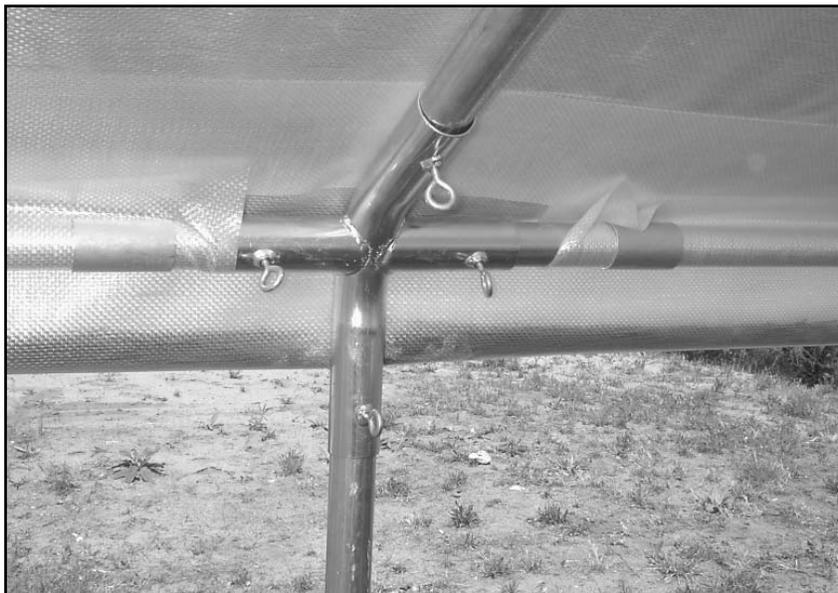


End Ratchet and Strap Installation

Step 10: Check that the cover is centered evenly from front to back and side to side.

Step 11: Tighten the ratchets. If the ratchets need to be released, open them completely and they will release. Excess strap can then be pulled through ratchets and re-tightened.

Step 12: Using scissors, trim the flap attached to the cover around the 4-way tubing connectors. Secure the cover flaps to the purlins (horizontal pipes) using 2 fabric clips on each purlin.



Section E - Install Roll-up Assemblies

Step 1: Assemble two roll-up conduit pipes the length of your shelter, one for each side.

Step 2: Slide a roll-up pipe into the hem on each side of the shelter.

Step 3: Secure the roll-up pipes in position using fabric clips spaced about 3' apart.

Step 4: Attach a roll-up handle assembly (swivel, 4' extension, and handle) to the end of the roll-up pipe on both sides of the shelter using 3/4" Tek screws.



Section F - Install Shade Cover

Note: The shade cover is used on warm days with the sides raised completely. With the sides lowered, the shade cover bungee straps can not reach attachment points on the frame.

Step 1: Pull the shade panel over the top of your shelter.

Step 2: Center the shade panel front-to-back and side-to-side.

Step 3: Secure the shade panel in place with Super Straps (elastic bungee cords) in all 4 corners and at the center on both sides.



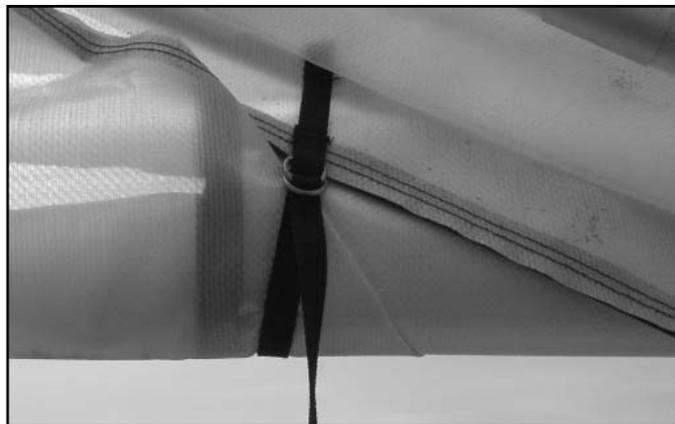
Section G - Shelter Maintenance

Thank you for purchasing this ClearSpan™ Poly Shelter. Following instructions for assembly and proper care and maintenance of the shelter will ensure many years of exceptional performance. The following notes include several items that need periodic checking.

- Cover must be kept taut; check and adjust tension periodically.
- Check connections and fasteners for tightness; replace and/or repair missing or damaged parts.
- Contact ClearSpan for assistance in identifying needed parts; call us toll-free at 1-800-245-9881.
- If shelter is moved after construction, inspect shelter thoroughly before reuse.
- Do not allow snow to accumulate on the cover.
- Use a means of snow removal that will not cut or damage the cover.
- Never attempt to climb on or stand on the shelter or its frame.
- To ensure longer zipper life, do not allow door to flap in the wind.
- When opening, roll up door and secure with built in ties.
- Close door frequently to ensure moisture does not accumulate in roll-up.
- Depending on contents stored in shelter, construction of shelter and shelter materials, and the geographic location of shelter, the potential for condensation does exist. ClearSpan™ offers several items that can be incorporated into the shelter to alleviate a condensation condition. If condensation develops in your shelter, please call a ClearSpan™ representative for more information.
- Note that ClearSpan™ shelters (Truss Arch excepted) do not have any tested loading criteria.



Door Secured with Straps



Door Strap Cinched with D-Rings

CUSTOMER NOTES