



## 30' CLASSIC FRAME TENTS | **ASSEMBLY INSTRUCTIONS**

## SAFETY BEST PRACTICES

Economy Tent International products are of superior design and function best in the parameters of these instructions. It is recommended that the instructions are carefully read and followed. Please read these "Safety Best Practices" before the installation or removal of any tent.

- The installer is solely responsible for the evaluation of the site and determining the proper securing method. Some soils require different staking or securing other than what is provided with the tent or purchased by the customer. Our responsibility is limited to the construction of the tent and not damage due to installation. Damaged frame parts or fittings are usually caused by improper lifting of the frame and are not covered under the terms of the warranty.
- Installation during threatening weather conditions is not advised under any circumstances. It is the responsibility of the tent installer/maintainer to determine the severity of the weather and utmost care must be used. This product is to be used as a temporary structure. In any questionable weather conditions, evacuation is recommended and all valuable merchandise should be removed immediately. Use good judgment, common sense and safety during take-down of the tent.
- Due to shifting of the tent frame, loosening of the stakes or loosening buckles, it is possible for the cover to "pocket" water in rain conditions. It is imperative to continually inspect the frame and cover for proper fit and alignment and adjust as required.
- Proper safety equipment should be used at all times to insure a safe installation and take down. Careful evaluation should be made to determine if hard hats, steel toe shoes, safety glasses and any other equipment should be used for the safe and proper installation. Tent lifts or other equipment might be considered for lifting or take down.

## GENERAL CARE & MAINTENANCE

### SOLID COVER & SIDEWALL VINYL

The vinyl fabric developed for this tent system requires specific attention during installation, cleaning, and storage to maintain its maximum life span. Please follow the following care and maintenance guidelines provided for this product.

**MILDEW TREATMENT:** Our vinyl fabric is pretreated with mildew inhibitors that help prevent the growth and spreading of mildew and fungus. If you see mildew wipe it away immediately with a clean towel and diluted soap solution. Never fold tent covers if the fabric is even slightly wet since mildew will grow in moist environments.

**CLEANING:** The best way to clean the vinyl tent fabric is with a soft towel or soft bristled brush immersed in a diluted solution of warm water and a tent cleaning solution. Apply the diluted solution directly to the fabric using 1) a towel immersed in the solution, or 2) a spray bottle or larger pressurized spraying apparatus to evenly cover the fabric with the solution. Let this sit on the fabric for about one minute to allow the mixture to penetrate the fabric. Using a soft towel or soft bristled polypropylene brush, gently work the cleaner into the fabric using only mild pressure. Never allow the tent cleaner to

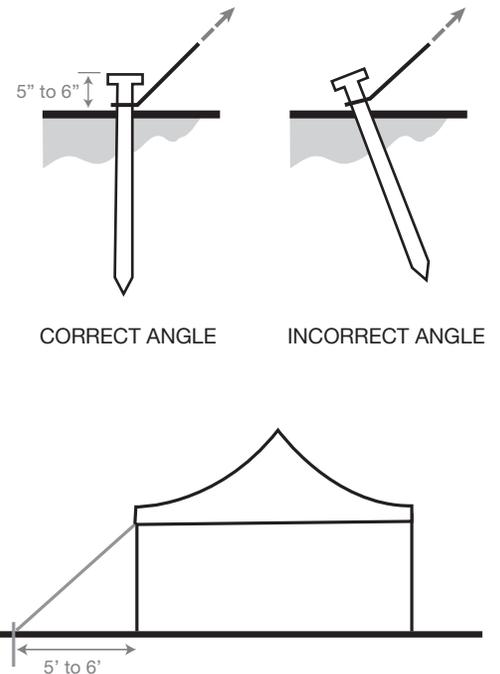
## STAKING / ANCHORING BASICS

By law you are required to contact your local "Call before you dig" number before you plan to dig or drive tent stakes for your local utility company to mark the location of all underground utility lines. Laws vary from state to state as to how far in advance you must call. Plan in advance.

Soil and setup conditions can vary greatly between installation sites. It is the installer's responsibility to be sure the staking is adequate for each site on each setup.

### STAKING BASICS

A properly driven stake will have 6" or less of the head exposed. The deeper the stake, the greater the holding strength. Anchoring stakes must be driven deep and vertical (not at an angle) about 5' to 6' away from the tent.



dry on the fabric. Once the cleaning is complete be sure to rinse away any cleaning solution completely. The best way to dry the vinyl tent fabric is to hang-dry in a low humidity environment. Fans can be used to circulate air but do not use heated dryers.

**STORAGE:** Store in a cool, dry area in the storage bags that came with your cover.

### FRAME HARDWARE & COMPONENTS

The hardware components developed for this tent system require specific attention during installation, cleaning, and storage to maintain their maximum life span. Please follow the following care and maintenance guidelines provided for this product.

**OXIDATION:** The hardware components for this tent system have been supplied to you with specialty coatings to help limit oxidation. With usage, these coatings will need to be maintained for the product to reach its full intended lifespan.

**CLEANING:** It is very important to keep your frame hardware components clean and free of dirt. If soiled, wipe down immediately to remove the foreign matter.

**STORAGE:** The tent frame system should be stored dry in a cool, dry, low humidity covered place.

**See full "Care & Maintenance" on [economytent.com](http://economytent.com).**

## TUBING, FITTING, EQUIPMENT LIST

### 30' TUBING

- 9'4" Side Eave Bar
- 9'4" Top Bar
- 14'4" Side Eave Bar
- 16' Mid Rafter Bar
- 21'8" Double Tube Corner Rafter Bar
- 7' - 9' Adjustable Leg

### 30' FITTINGS



SINGLE TUBE



DOUBLE TUBE

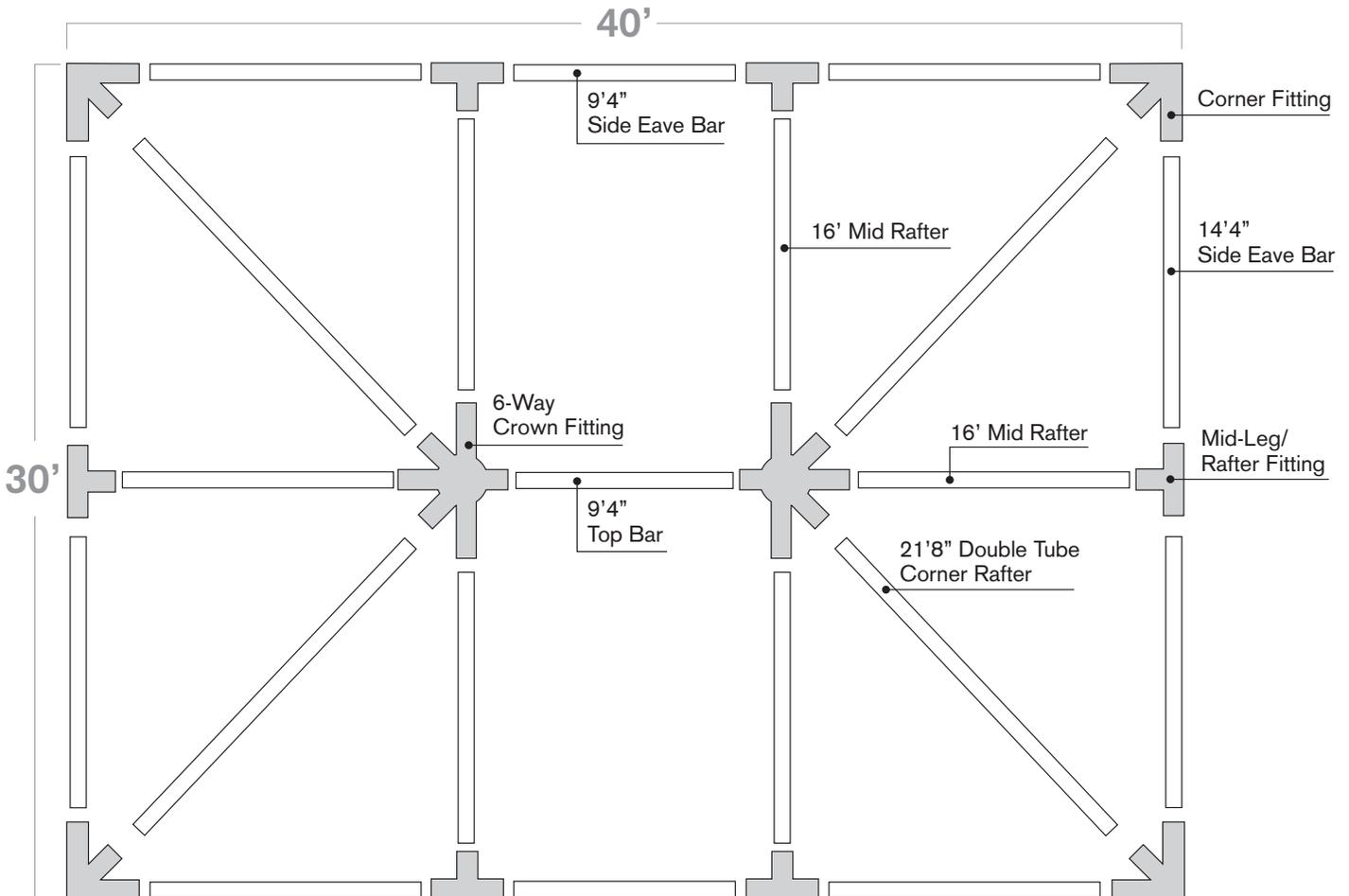


### RECOMMENDED EQUIPMENT AND MANPOWER FOR INSTALLATION:

- Six experienced installers can normally install these products in three hours or less.
- One or two 8'-10' commercially rated step ladders.
- Approved safety head gear, steel toed shoes and eye protection.
- Frame tent jacks (minimum one for a 30'x40' frame. One additional jack is recommended for each additional 20' in length).
- Prior to laying out this or any other ETI product be sure you have thoroughly inspected the area for any overhead or underground obstructions that may interfere with the safe installation of this product. Please refer to IFAI anchoring and installation guidelines.

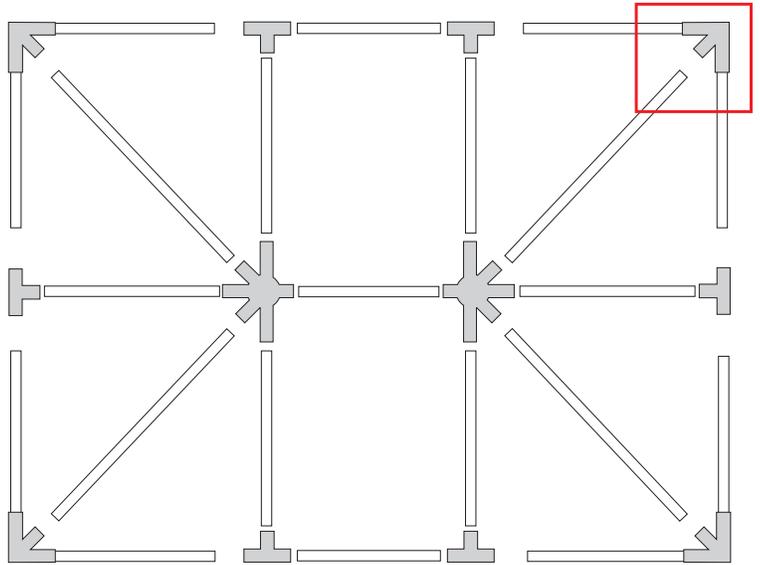
## ORGANIZE TUBING & FITTINGS

Lay out all the canopy frame tubing and fittings on the ground forming a loose diagram of the framing layout. It is best to do the assembly in the approximate location that the tent will be in when assembled. **Note:** A 30' x 40' frame layout is used in this manual for illustration. Go to [www.economytent.com](http://www.economytent.com) for frame sketches for all the 30' Classic frame sizes, along with a materials list for each frame size.

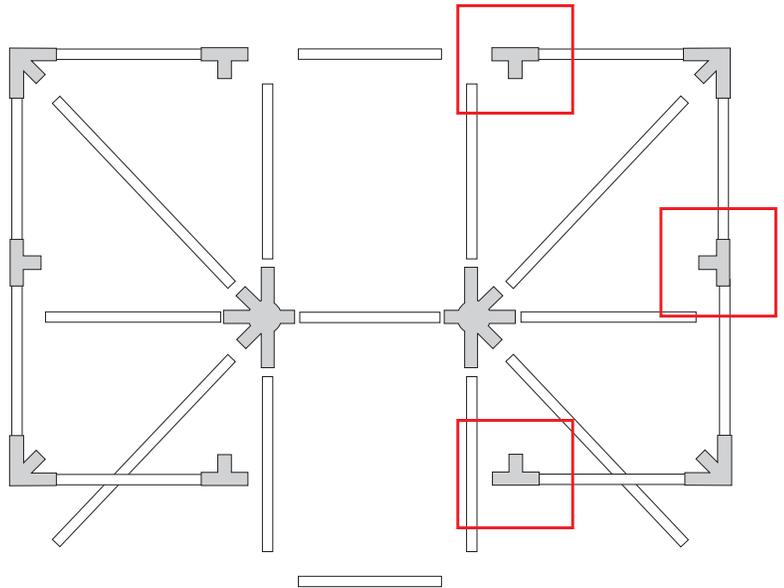


## EAVE ASSEMBLY

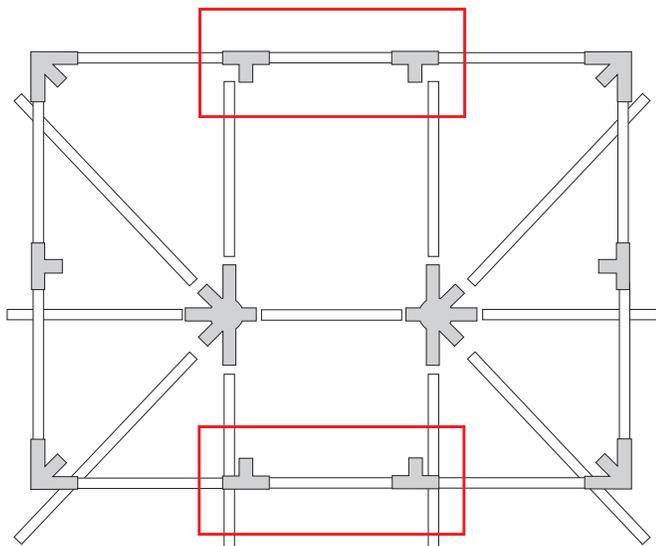
1. Slide a (14'4") **Side Eave Bar** into each eave connector opening of the four **Corner Fittings** until the snap buttons engage. The rafter connector opening of the Corner Fitting should be pointing up and inwards, and the leg connector opening should be pointing downwards.



2. Then attach the other end of the **Side Eave Bars** to the eave connector opening of a **Mid-Leg Rafter Fitting** until the snap buttons engage. Be sure the rafter connector opening of the Mid-Leg Rafter Fitting is pointing inwards and the leg connector opening is pointing downwards. On the 30-foot side, there will only be one Mid-Leg Rafter Fitting that connects both Side Eave Bars.



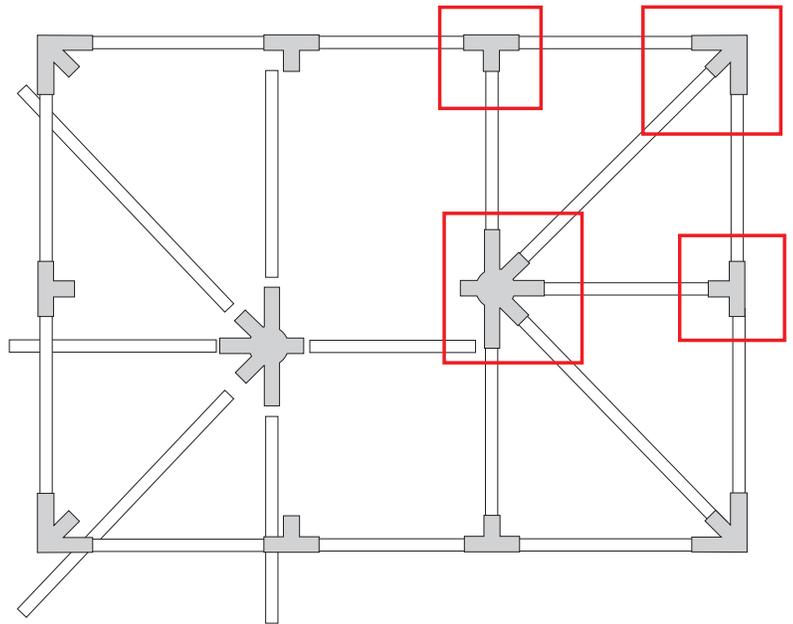
3. For the 40-foot side, slide each end of a (9'4") **Side Eave Bar** into the eave connector openings of the **Mid-Leg Rafter Fittings**, connecting both ends. Be sure the snap buttons engage. (Repeat for structures longer than 40') You should now have a completed eave section.



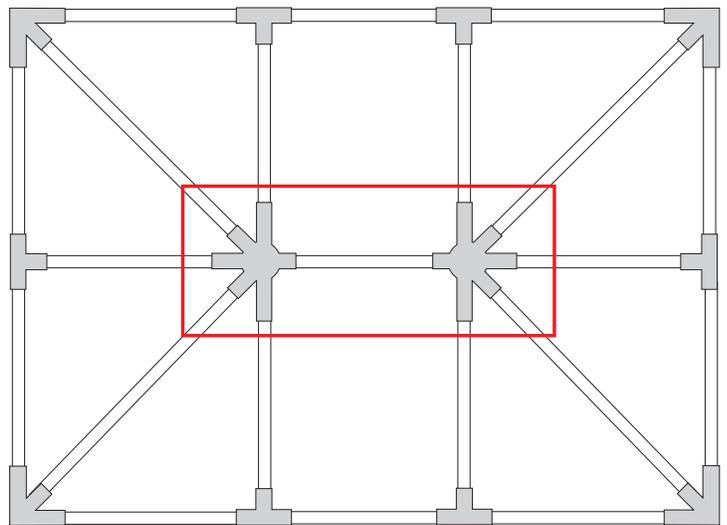
## RAFTER / PEAK ASSEMBLY

If needed, position a tent jack near the center of the tent to support the 6-Way Crown Fitting and Rafters while assembling. You may also need a ladder when connecting the rafters to the crown fitting.

- Starting on either the left or right 30-foot side, slide a (21'8-1/4") **Double Tube Corner Rafter** into the rafter connector opening of each of the **Corner Fittings**. Assure that the snap buttons engage. Using a ladder if necessary, attach the **6-Way Crown Fitting** to the other end of each of the Corner Rafters until the snap buttons engage. If needed, temporarily supply support the Crown Fitting using the tent jack. (**Note:** The corner connector openings of the 6-Way Crown Fitting that connect to the Corner Rafters will be the shorter tube openings.) Be sure the 90° connector opening of the 6-Way Crown Fitting is pointing towards the opposite Crown Fitting.



- One at a time, insert a (16'1/4") **Mid-Rafter** to a **Mid-Leg/Rafter Fitting** until the snap button engages and connect the other end to the 6-Way Crown Fitting until the snap button engages. Repeat for all three Mid-Rafters. The perimeter of the frame is designed to flex sufficiently to make this step easy.



- Repeat steps 4 & 5 for the opposite side.
- Connect the two **6-Way Crown Fittings** in the middle with a (9'4") **Top Bar**. Be sure to insert the bar until the snap buttons engage. You now have a completed 30' x 40' peak assembly.

For structures longer than 40', connect the end 9'4" **Top Bars** to a **Top Extension Fitting**. Connect additional 9'4" **Top Bars** between the Top Extension Fittings and the opposite end 6-Way Crown Fitting. One at a time, insert a (16'1/4") **Mid-Rafter** to a **Mid-Leg/Rafter Fitting** until the snap button engages and connect the other end to the **Top Extension Fitting(s)** until the snap button engages.

## CROSS BRACING

**IMPORTANT:** Cross Bracing Tubing and Fittings are supplied with the tent framing and must first be in place before raising the tent on the legs.

8. For stability and to prevent frame bowing, solid interior bracing using **14'4" x 2" Cross Brace Tubing and Fittings** need to be installed between each opposing **16'1/4" Mid-Rafters**. Start at one end along the longer side and install as many cross braces as there are mid-rafters.



## COVER ATTACHMENT

9. Roll out a large drop cloth next to the assembled frame to protect the cover from dirt and abrasion.

10. Lay out two-piece covers with lace edges together and top side up. Matching centerlines, start in the center by pushing the first lacing loop up through the corresponding grommet. (See diagram) Continue lacing process and tie off last long lacing loop. Cover lacing with protective flap and secure the hook-n-loop closure. Repeat lacing procedure on the opposite side.



11. Loosely pull the cover over the frame. Check the corners, hip areas and crowns to make sure the cover is positioned correctly on the frame. Temporarily strap the cover at the corners and side (if required) of the frame to keep any wind from catching the cover.

## ADDING LEGS AND LIFTING

12. Lay out the **(7'-9') Adjustable Legs** at each **Corner Fitting** and at each **Mid-Rafter Fitting** location. Leave the adjustable Legs at the shortest length. Starting at the two corners of the longer side of the frame, two installers should lift the corner Legs to their vertical position. Then together lift the entire side of the tent frame and insert the Corner Fittings onto the corner Legs until the snap button engages. (**Do not lift one corner at time; lift the entire side of the tent.**) Insert Legs into the side Mid-Rafter Fittings along the same elevated side until the snap button engages.

13. Repeat the above procedure for inserting the Legs on the opposite side of the frame. Then insert Legs into the side Mid-Rafter Fittings along the shorter side until the snap button engages.

## SECURING COVER

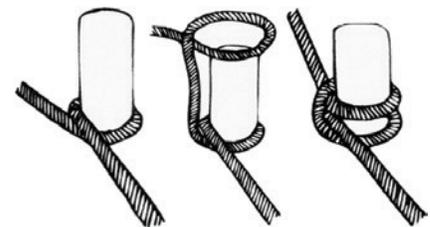
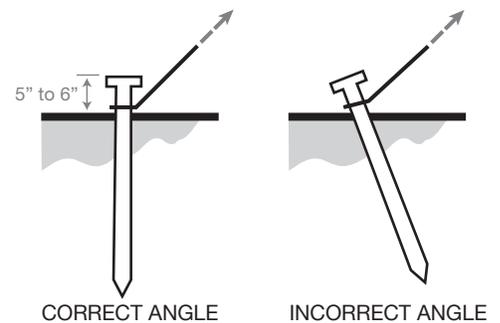
14. While the tent is at its lowest position, finish adjusting the fit of the Cover and secure it to the frame with the cover straps and buckles. Neatly tuck excess strapping behind the buckle.
15. Adjust all the Legs to the desired tent height.

## STAKES, RATCHET STRAPS & GUY ROPES

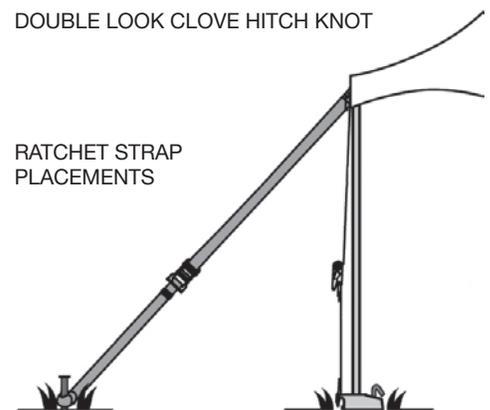
16. Place **Stakes** approximately 5-feet out from each leg. Drive each Stake vertically into the ground so that approximately 6" of the stake is showing. (See *staking diagram*)
17. Attach **Guy Ropes** or **Ratchet Straps** to each Leg and Stake. Secure corner legs first and then the side legs.

**GUY ROPES:** Loop the rope through the exterior ring on each Corner and Mid-Rafter Fitting. Tie the bottom ends of the rope to the stake using a Double Loop Clove Hitch knot (See *knot diagram*). Tighten by pulling on the excess rope. Fold and secure excess rope to the stake. Repeat at each leg and stake.

**RATCHET STRAPS:** Attach the ratchet buckle with the loop strap to the stakes by turning the 6" loop at the end of the ratchet inside out and pull the strap through the loop to create a noose and pull tight over the stake. Take the loose strap and run it through the ring on Corner Fitting and pull it through the reel bars slot of the ratchet (*ratchet buckle needs to have the handle facing upward*). Pull the loop strap back towards the tent approximately 18". Hold the strap with one hand and begin to crank the ratchet handle back and forth. Roll excess strapping and secure in the ratchet buckle. Repeat at each leg and stake.



DOUBLE LOOP CLOVE HITCH KNOT



18. For securing the tent on a hard surface, such as concrete, where stakes can't be used, you will need to refer to IFAI Tent Rental Division's Ballasting Tool.

For additional installation and anchoring information entitled "*The IFAI Procedural Handbook For The Safe Installation And Maintenance Of Tentage*" is published by the Tent Rental Division of the Industrial Fabric Association International (IFAI).

The installation of the tent framing and cover is now complete. If desired, Sidewalls, Liners and Drapes may be installed.

1. Remove Sidewalls, Liners and Drapes. Fold and roll for cleaning and/or storage.
2. Loosen all Ratchet Straps or Guy Ropes. Leave Corner anchoring in place for now. Remove all anchoring from the side Mid-Rafter Legs.
3. Adjust the tent height on all the Legs to the lowest height.
4. Leaving any corner straps secured to keep cover from falling or blowing off, unfasten the Cover straps and buckles along the inside perimeter of the frame.
5. Leaving the corner Legs and anchoring in place, remove the Legs from the Mid-Rafter Fittings on the shorter sides first, and then remove on one of the longer sides.
6. Remove the anchoring straps from the Corner Fittings and Legs on the same side. Remove the two corner Legs and carefully lower this side of the frame to the ground. **Note:** *Corner legs should be removed at the same time and the entire length of the frame should then be lowered. Do not remove and lower one corner at a time. Use tent jacks if necessary to support and lower the side of the tent.*
7. Repeat on the opposite side.
8. Lay out a drop cloth along one side of the frame and cover to protect the cover from dirt and abrasions as you remove it. Unfasten the rest of the Cover straps and carefully remove the Cover onto the drop cloth. Fold and roll the Cover as tightly as possible. Do not stand or walk on the Cover fabric as you remove and fold it. Store cover in storage bag.
9. Disassemble the frame in the opposite order of assembly.
10. Remove all stakes. Roll and store guy ropes and ratchet straps.