Define perimeter of tent location at its installation site. Layout the general size by measuring and matching the ground surface that that tent is being installed on. Establish the side of the tent which is to be raised first. In order to locate the tent in its correct position when finished, you must start the layout back about two (2) feet from the side that you plan to raise first.

*Note: During installation, ensure that all perimeter poles are positioned so that the opening is towards the crown to match the 26 degree roof pitch when installed. All poles will have a pin hole drilled through the score line on the side of the tube. This score line should be facing upward.*

Tent frame components should be assembled starting at one end, working toward the other end. Never start in the middle!

The Future Trac Frame system, once the roof portion of the frame is assembled and setting on the ground, will give you the option of installing the tops and then lifting the complete unit - or - lifting the frame only, putting it on it's legs and then installing the top.

⚠️ **Caution!** In heavy wind conditions, install the tops with the legs already in place.

Tent frame jacks are required to raise this tent on to it's legs. It is recommended that one per section be used to ensure a safe and proper installation.
Before assembly, layout components as indicated below. Assemble in sequence as outlined on the preceding pages. Additional mid sections may be added as needed to the desired length required.
Layout components for the first gable end assembly as indicated in the drawing, before beginning the assembly process. Attach the Keder rafter (blue dot) pole to the Gable End Crown Assembly. Pin with a 3/8" D-clasp pin. Repeat this procedure for the opposite side Keder rafter.

Note: Ensure that the Keder rafters for the first gable end assembly have the gable end purlin connector's attached to it (reference example marked "*").

Next install the rafter brace bar (103" long) as shown between the Keder rafters using 3/8" D-clasp pins. It may be necessary to shift the rafter to locate both pins.

Next, pin the Gable End Corner Brackets (flat side down) to the rafter's and attach the gable end perimeter tubes with the channels pointing up. (Reference "A")

Next, attach Gable End Uprights to the GE Purlin Brackets with bolts provided. (Reference "B"). Then attach the remaining GE Perimeter poles with the channels pointing up. (Reference "C")

Next, attach Roof Tension Cable set with the eyebolt provided. Please note that the bolt must face outward when installed. (Reference "D")
Attach purlin poles (2" tubing) to the GE Purlin Brackets and quick pin as shown.

Build the 2nd arch assembly in the same manner as the first arch assembly. Start by attaching the keder rafters to the crown cluster, then install the rafter brace bar. Install the intermediate brackets to the Keder rafters. Attach all components with 3/8" D-clasp pins.

This assembly will use scissors truss cables instead of poles and uprights. The easiest method to install these cables is to attach them with the clevis pin to the intermediate bracket, then squeeze the arch together slightly to attach the short side of the scissors truss to the Keder rafter extension. Some bowing of the rafters will occur. Do not be alarmed as this is part of the design process.

Install the Roof Tension Cable set as shown, then install the ridge pole and quick pin.

We are now ready to rotate the gable end assembly into an upright position. This can be accomplished using one of the following methods.

First method is the easiest when there is a crew of four (4) or more. Place the gable end arch assembly at the desired finish location and pickup the end and rotate it to the upright position. One person holds onto the roof tension cables while the other three lift the end starting near the middle and working out as the end rotates up into position. Once into position, attach the perimeter poles with a quick pin. This will help hold the arch assembly in its upright position. Be sure that the person holding the roof tension cables maintains a slight pull on them so that the frame does not fall.

Second method is using a tent jack to lift the arch in place. Set the crown close to the desired final position and using a sling strap to grab the crown fixture, raise the end, moving the intermediate fittings until the end is upright at its desired location.

Raise the next arch assembly in the same manner as the gable end assembly and attach the ridge pole to the crown with a quick pin. This will require the use of a ladder to attach. Next, attach the two perimeter poles connecting the two arch assemblies and quick pin. This will somewhat steady the frame while the roof tension cables are being installed. Cables must be installed in a cross or "X" pattern to tension the roof out properly. Adjust the roof tension cables until the end is square.
Build the remaining arch assemblies as done in the previous steps. When all mid sections are finished, assemble the last gable end assembly using the same steps as previously outlined.

Please note: Frames longer that 50 feet in length will require more support and it will be necessary to install additional sets of roof tension cables near the middle of the tent. These are attached with an eye bolt and must be installed in a cross or "X" pattern to tension out properly.

Check all connections and fittings to be sure that the frame is ready to receive the top.

⚠️ All quick pins and D-clasp pins must be facing the same way to insure that when the fabric is installed, it will not catch on the pins.

Installation Instructions - Gable End Panels and Top Panels

⚠️ Preparation is important. Layout ground covers at perimeter line of the tent to protect the fabric and keep it from becoming soiled during the installation process.

Installation of the gable end panels are somewhat similar as the installation process for the top panels, but will require the use of a ladder to install. Pull panels up the Keder rafters to the middle of the crown cluster. Zip the panels together and fasten the Velcro rain flap. Attach around the perimeter poles using the buckle bands.

Place the top panel on the ground cloth and roll it out along the length of the frame section. Next, place the pull ropes over the top of the frame and tie loose end to the frame. Connect the carabiner to the web loop on the end of the Keder edge of the top panel. This process will require two people working as a team to man the ropes at the loose ends, while two other people insert the fabric Keder edges of the top into the "Keder" track in the rafter.

Now standing out approximately four (4) feet from the frame, use the pull ropes and begin working the top slowly and evenly up and over the crown and down to the other side.

⚠️ Caution! If fabric catches, stop, back it up by pulling it back. Check all Keder tracks and connectors, then pull again.

As soon as the top is pulled into place, fasten a few of the straps at the perimeter. If this connection isn't made, the wind could cause the panel to slide out of the frame. Repeat this procedure with the remaining panels and when all panels are in place, connect just enough straps to hold them in place. Before raising the frame, connect the ratchet straps to the webbing loop on each panel at the connection points and corners.

Note: Top's can be installed in the same manner with frame already raised and on its legs.
Pre-assemble legs with base plate with a 3/8” D-clasp pins and distribute at needed points. Place jacks at or near corners or connection points. Put slings around perimeter tubes and operate winch until slack is taken up on all jacks.

Working as a team, crank jacks to raise the tent evenly, then pin the rafter pole to leg braces. Next, lift the frame until it is above leg height and install leg with base place already attached to intermediate or corner bracket and pin immediately with a 3/8” D-clasp pin. Install rafter brace to leg at this time and pin at desired location. Now lower the tent slowly until the full weight of the tent is on its legs. Tighten top tie-downs to base plates.

Important At This Point! With one side raised, finish connecting the perimeter buckle straps to hold the top to the frame. When tensioning buckle straps, pull until sidewall rope appears just below the bottom of the perimeter tube. The final goal is to have the top evenly and squarely affixed to the frame. Be sure that all tie down tension straps are in place at the seams and corners.

The final fitting process is from the opposite side. Place the jacks at or near corners or connection points. Place the slings around the perimeter tubes and operate winch until slack is taken up on all the jacks. Working as a team, raise the tent until the legs can be slipped on. Immediately pin legs, then install the leg to rafter braces. Reverse jack to set tent on its legs.

Install legs in the end of the tent. Starting with leg inside of the tent at an angle, push up and out until the leg slips onto the connector. Pin leg in the typical manner. The legs for the end of the tent will have adjustable base plates and extra adjustment holes to adjust legs to the ground conditions.

Drive tent stakes as needed. On a 50’ tent, two (2) each 1” x 40” double headed stakes are used in each base plate. Additonal out guying will be requiried in soft soil and in some weather conditions.

Caution! Wind conditions can and will lift the entire tent. Proceed with extreme caution and always lift top surface into the wind stream.

Pre-assembly is very important at this time. Install anchoring points prior to raising the tent. At a minimum, install one anchor point at each corner of the tent. Drive a stake out about four (4) feet from frame location and attach a tie down strap or rope between the frame and stake.

Important! Anchoring properly is necessary for safe tent installation.

Installed Tent Inspection

1. Staking: Check all stakes for signs of movement.
2. Tensioning: Check all ropes and guy straps for proper tension and make sure the tent top is set for proper drainage.
3. Poles: Check that all poles are properly aligned, securely tied and structurally sound.
4. Sidewalls: Check that they are properly secured as needed.
5. Special Considerations: Make sure that the installation is in compliance with all local building, fire and public safety codes.

During inclement weather, particularly when the tent is in use, experienced tent personnel should be present to ensure the security of the equipment and those using it. All parties must be aware of the limitations for safe occupancy of the tent. The tent renter must retain the right to declare the tent for unsafe occupancy. Always follow the manufacturer's instructions and warnings as they take precedence over any conflicting information contained in this manual.
Top Removal and Folding

To remove the top panels, unbuckle all buckles, disconnect the ratchet straps, check all pins and clips to ensure that they will not cut or snag the top panels. Always remove the top panels in the same direction as in the installation process.

Tip # 1: Always rebuckle (as shown) the buckle straps on the trailing edge of the top panel. This will greatly reduce the chance of the buckles getting caught in the rafters as the tops are being removed.

Tip # 2: Always use ground covers when removing top panels. This will prevent the tops from becoming soiled during the removal process.

Stand back away from the tent (approximately four feet), then grab the top panel and pull it towards you as shown in diagram. Pull gently but firmly on the top panel.

Pull panel sufficiently to allow a three or four foot overlap to accordion fold the top. Continue this process until the top panel is folded. Roll top panel and place into its storage bag. Continue this process until the remaining panels have been removed.

Tip # 3: Pulling gently but firmly will lay the top down in a manageable fashion. If it is pulled too hard, it will fall quickly off the frame and prevent you from getting a nice smooth even fold.
Lowering Frame

Prepare to lower frame, using jacks, placed about one (1) foot away from the frame. Remove the legs from the center of the end frame first, then, reverse the installation process to lower the frame to the ground. Lower one side at a time and start disassembly of the frame starting at one end and working towards the other.

Caution! Safety first when lowering frames. Make sure that all loose objects are out of the work area. Maintain control of the jacks by keeping a firm grip on the crank handles.

Note: The disassembly procedure is a reversal of the installation process.