

PRODUCT MANUAL



If YOU can IMAGINE it... WE can BUILD it

STANDARD FRAME

WARNING

This tent product is not intended to be used as a shelter from severe weather. Evacuate immediately if threatening weather occurs (or is forecasted) or any condition arises concerning the safe use of this product. Threatening weather includes electrical storm systems, moderate to high wind (excess of 38mph), heavy rains, snow, or any condition that raises any doubt to the structural integrity of the tent

CAUTION

The installation of electrical, plumbing, lighting, appliances and/or HVAC equipment are not covered within this manual. Users/Installers shall follow local code requirements for the installation of these items using certified personnel. AztecTents shall be indemnified and held harmless from any such use or injury resulting from its use.

Important Safety Information

Proper personnel safety equipment should be worn at all times during the installation of any tenting products.

Hard Hat

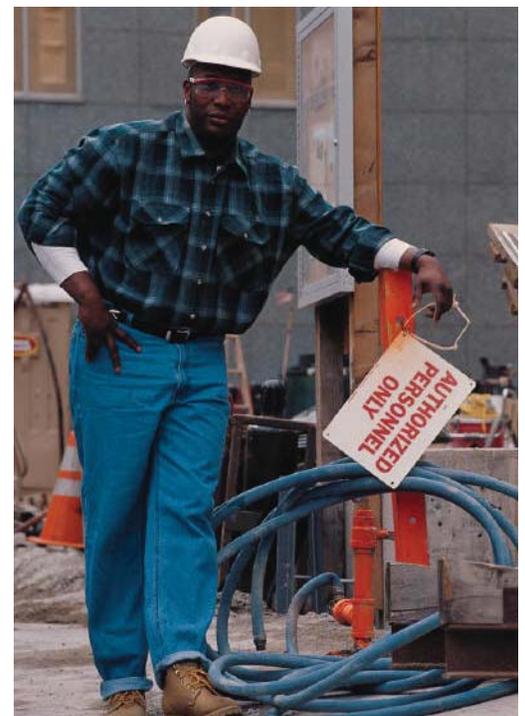
Safety Glasses

Work Gloves

Long Pants

Steel Toe Boots

OSHA Approved Harness and restraint system (for off ground activities)



Thank you for your recent purchase from Aztec Tents. The following procedures will help you through your installation. If you ever run into problems with the installation of your Aztec Tent give one of our sales/service professionals a call. Other product specific information, contact information, diagrams, and other operational support is available on our web site at www.aztectents.com.

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Questions? Call us.

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General Fabric Care & Maintenance

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.

GROUND CLOTHS: The usage of ground covering material under the tent during installation and dismantle will protect the tent fabric from soiling and from minor surface abrasions. A ground cloth can also help keep the tent top dry if the ground surface (i.e. dirt, grass, etc.) is wet during the installation or dismantle.

MILDEW TREATMENT: The fabric is pretreated with mildew inhibitors that help prevent the growth and spreading of mildew and fungus. Although treated, proper care should be given to prevent potential growth. If you see mildew wipe it away immediately with a clean towel and diluted soap solution. Never fold your fabric for storage if the fabric is even slightly wet. Mold/Mildew spores in the air and on the ground will come in contact with the fabric while installed. To grow, all the mildew needs is moisture and some source of food (often found in dirt that might be on the tent). Your best bet is to keep your fabric clean and dry to prevent mildew growth.

FABRIC 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 our tent cleaning solution. A diluted and mixed solution of a tablespoon of traditional dish soap with a gallon of warm water will also work, but extra caution should be placed on insuring that this cleaning solution is thoroughly rinsed from the fabric especially with clear vinyls (See special notes on working with clear vinyls).

You will need a large, smooth, flat space slightly larger than the section of fabric. This space should be covered with a ground protecting layer to avoid damaging the tent membrane when moving in the washing area. Small impediments, sharp objects and rough surfaces all have the potential to damage the membrane you are trying to clean.

Follow the instructions for the proper dilution ratio of your cleaning product. 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 (some can be mounted to a long handle to allow you to stand while working), gently work the cleaner into the fabric using only mild pressure. While harder bristled brushes can work, they will end up microscopically scratching the fabric, potentially permanently damaging the fabric and making it harder to clean the next time. The process of hand cleaning the fabric will allow you to apply only enough diluted solution to get the fabric clean. This will help limit the amount of water placed on the fabric to expedite drying time. Never allow the tent cleaner to dry on the fabric. For this reason, larger tents might be better to clean in sections. Once the cleaning is complete be sure to rinse away any cleaning solution completely from the tent membrane.

Full immersion of the fabric in water is not recommended. The use of commercial front loading or top loading washing machines is not recommended and will void the warranty of the fabric. These machines cause an excessive amount of stress to the fabric and can force water into the fabric causing increased occurrences of mildew growth and shorten the life of the fabric. As with any cleaning, the fabric should be hung to dry completely before folding and storage. Cleaners that include chlorine bleach, and/or any petroleum based solvents will degrade the fabric, discolor the fabric and shorten its life span.

If you have a difficult stain that cannot be removed with traditional cleaning, please consult with your sales person before trying any other chemicals that might end up damaging the material further. Do not use other chemicals or cleaners unless instructed by your sales professional.

FABRIC DRYING: The best way to dry the vinyl tent fabric is to hang-dry in a low humidity environment. Circulating air around the surface of the hanging fabric with the use of fans will also speed the drying process and improve drying time in more humid environments. Please also assure that subassemblies and other components within the tent system are dry before folding. These subassemblies can be reinforcements, lace lines, webbing, rope, thread, and/or any other part that is permanently affixed to the main tent membrane. The use of commercial drying equipment and any drying using heat will void the warranty of the fabric. **DO NOT STORE YOUR FABRIC WET.** Fabric folded and stored wet will mildew.

TENSIONING: Do not over tension your tent fabric during installation, use, or removal. Over tensioning can cause permanent damage to the tent membrane. The most obvious sign of over tensioning would be stress wrinkles at the tension points. Be sure to confirm that your frame/pole components match the tent design. In cases where the ground is not level, over tensioning is possible by trying to force the tent to dimension.

STORAGE RECOMMENDATIONS: The fabric for the tent system shall be stored dry in a cool, dry place in the protective storage bags included with your purchase. Other types of bags are acceptable as long as they can protect the fabric from the environmental elements of the storage area.

INSPECTION: Prior to each use, each component of the tent system needs to be thoroughly inspected to assure its structural stability has not been compromised. Fabric components that are ripped, torn, frayed, or damaged shall be immediately replaced and not used. Structural components of the fabric membrane are the most critical including but not limited to the main fabric membrane, structural reinforcements and webbing, web termination plates/rings/fasteners, and connection points from fabric panel to fabric panel or connection points between the fabric panel and the hardware support system.

General Hardware Care & Maintenance

The hardware components 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.

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 in order to limit oxidation and for the product reach its full intended lifespan. With plated or powder coated steel components, any rust should be removed immediately with a stiff wire brush and sprayed with either a galvanizing spray or durable paint to seal the steel from the elements. Anodized aluminum components will get scratched over time and these scratched areas can develop a thin black oxidation common with mill finish aluminum. This black oxidation can cause staining to any fabric components that come in contact with the pole/component. Your best preventative measure will be to avoid scratching of the anodized coating by avoiding any sharp edges that might be come in contact with the aluminum member.

HARDWARE CLEANING: It is very important to keep your hardware components clean and free of dirt, oxidation, and other chemicals especially if those hardware components come into contact with any fabric components during installation, use, or take-down of your product. Any dirt, oxidation, or chemical on the surface of the hardware member can transfer the contaminant to the fabric causing permanent staining, or permanent damage to the fabric membrane. If hardware components are found to be soiled, wipe down immediately to remove the foreign matter.

STORAGE RECOMMENDATIONS:The hardware for the tent system shall be stored dry in a cool, dry place. Anodized aluminum component can be stored outside, but should be covered to prevent foreign matter from collecting on the components that might stain or damage the fabric membrane during installation or use. Any/all steel components shall be stored indoors in a dry/low humidity environment.

INSPECTION: Prior to and after each use, each component of the tent system needs to be thoroughly inspected to assure its structural stability has not been compromised. Hardware components that are bent, cracked, frayed, or damaged shall be immediately replaced and not used. Specific attention should be paid toward any devices used for anchoring including ratchets, ropes, cables, and web straps.

Fabric Flame Retardancy

All vinyl fabric used in the production of our tents, walls, and accessories are certified flame retardant per NFPA 701 and the California State Fire Marshal. These vinyl products are produced so that they are inherently flame retardant, and thus will never require additional applications of flame retardant chemicals.

Every section of fabric produced by Aztec Tents contains a label identifying its flame resistance characteristics and date produced. This label matches a hard copy of the flame certificate that is mailed to you after receipt of your goods.

If at any time you need to be issued a duplicate flame certificate, you can request one from our customer service representatives. Please be sure to have the invoice number and date of production available when requesting duplicate flame certificates.

Anchoring

All anchoring locations must be laid out accurately as described in the manual and diagrams contained within (in advance of laying out the fabric) to a tolerance of +/- 4" in any direction (right or left, forward or back, up or down, etc.) All column base locations must be laid out to a tolerance of +/- 3" in any direction for any standard supported tents and within a tolerance of +/- .5" for any product utilizing keder channels.

A wide variety of ground anchoring devices are commonly used. Soil conditions and resulting ground anchor holding capacities vary from site to site, and can vary within a particular site. The Owner and/or Installer of the tent is fully responsible for assuring that the selection and installation of the anchoring devices is adequate to resist the pull out loads specified in the product manual.

Reduced anchor performance can occur under wet soil conditions and needs to be accounted for. Care should be taken that water is not allowed to drain or collect near anchors.

Anchoring device holding capacity can be developed using a single large device, or by using multiple smaller devices.

Ensure that the anchors installed are adequate to resist the pull out loads shown. Actual testing of some individual anchors to 75% of the anchor pull-out load is recommended.

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).

Pre-Installation Guidelines

Correct field installation of this tent system requires diligence and considerable skill and expertise which can be obtained only through the proper field training and experience of a professional rental tent supervised installation crew. This is instrumental to obtaining the optimal structural behavior of the tent.

- Obtain any required permits or inspections needed by local codes and regulations.
- Clear the site to prepare for the planned activity.
- Check for sub grade utilities before installing any anchoring devices.
- Check for any overhead obstructions that might interfere with the tent installation. Do not install any tent within 50' of any overhead utilities, power lines, or other obstructions. Installation under or within close proximity to trees should be avoided.
- Locate the public circulation routs with clearance from anchors around the exterior of the site. Identify clearly.
- Use drop cloths to prevent soiling or damaging the fabric membrane.
- Pad and tape objects with sharp projections which will remain on site under the tent.
- Cover any sharp edges on anchoring devices with protective material

General Installation Guidelines

Each component of the tent should be inspected at the beginning of installation for visual signs of damage by the installer. All damaged materials should be repaired or replaced immediately.

The weather should be carefully considered by the Owner and/or the Installer before raising the tent since the hardware and fabric cannot transmit design wind loads or shed rainwater loads (potential ponding) when it is not fully anchored, installed, and/or tensioned. It is recommended that installation or removal of the fabric members be informed when the wind speed is less than 15 mph. The decision to raise or lower the fabric of the tent should be the responsibility of the experienced rental tent installation supervisor based upon conservative life safety considerations and judgement.

Adequate and appropriate installation and maintenance procedures are necessary to achieve and sustain full design load capability for the tent. The Owner and/or Installer are fully responsible for assuring that the tent is properly installed and maintained.

Certification of this tent structure is valid only with the use of AztecTent supplied and assured components or those which meet or exceed the requirements of the design throughout the installation of this structure, with the exception of the anchoring devices which must be determined by the installation engineer.

Post Installation Guidelines/ Maintenance

Each component of the tent should be inspected at the end of installation for visual signs of damage by the installer. Additionally, an inspection should be performed after any severe weather/wind events that might have affected the overall integrity of the design. All damaged materials should be repaired or replaced immediately.

A variety of material and weather factors can result in fabric stretch, web belt stretch, rope stretch, mast base settling, changes to design geometry, etc. Changes to the design geometry of the tent and consequently the structural performance characteristics of the tent, can occur while the tent is in service and not attended by the professional installer. It is recommended that a maintenance agreement be arranged between the Client/User of the tent and the Installer involving periodic inspections and adjustments.

If rainwater ponding occurs at any point on the fabric, evacuate the tent, remove the water, and adjust the tie back rope/web prestress tension and/or fabric tensioning over the frame back to its design geometry to achieve positive drainage.

It is understood and expected that some damage to the fabric membrane and/or non structural components may occur in conditions below the overall design wind velocity rating of the tent system. This damage may result in components requiring repair or replacement as necessary.

Safety & Evacuation Planning

It is the responsibility of the Owner and/or the Installer to warn the User and or Occupants of the tent system that this product is not intended to be used as a shelter from severe weather. Aztec assumes no liability for such use. An evacuation and communication plan for the area covered within this tented space is imperative and shall be thoroughly communicated to all users and potential occupants of the tent. Severe weather including electrical storm systems, moderate to severe wind, heavy rains, snow, or any condition that raises any doubt to the structural integrity of the tent are immediate signs that an evacuation is necessary. Severe bodily injury and/or death can occur. A best practices document published by the American Rental Association covering this topic can be downloaded at: http://aztectent.com/webfm_send/151

Common signs that warrant the immediate evacuation of this tent:

- Any movement, displacement, or failure of any of the anchoring devices or support hardware.
- Any component failure in part or whole
- Any tear or puncture in the fabric membrane
- Any forecasted moderate to severe weather condition
- Any collection or accumulation of snow or ice on the tent
- Strong winds causing movement and/shifting of the tent or tent support structure
- Strong winds causing small branches to be ripped from trees
- Any lightning or electrical storms
- Hail or frozen precipitation any larger than pea size
- Any fire or smoke within close proximity of the tent
- Any small amount of gas, exhaust, or other odor from any combustible material

In the event of forecasted severe weather, hurricane, or other such early warning, it is recommended to immediately evacuate the tent and time permitting take down the tent and remove from the site.

General Take Down/ Removal Guidelines

The weather should be carefully considered by the Owner and/or the Installer before lowering the tent since the hardware and fabric cannot transmit design wind loads or shed rainwater loads (potential ponding) when it is not fully anchored, installed, and/or tensioned. It is recommended that installation or removal of the fabric members be informed when the wind speed is less than 15 mph. The decision to raise or lower the fabric of the tent should be the responsibility of the experienced rental tent installation supervisor based upon conservative life safety considerations and judgement.

Unless otherwise noted in the procedures that follow, the removal of this tent system shall follow the same procedures outlined but in the reverse order.

Once unassembled, each component of the system should be inspected for any signs of visual damage by the installer. All damaged materials should be marked or identified so that repair or replacement of these materials can occur prior to the next use of the product.

Special Care For Unsupported Clear Fabric

The clear fabric used in window style sidewalls, clear sidewalls, and clear tent tops needs to be managed differently than standard tent fabric. Polyester scrim is what gives standard tent fabric its strength, stability and durability. Laminated tent fabric enjoys the benefit of encasing this woven layer of rip-stop polyester between the layers of colored vinyl film. Clear vinyl does not enjoy those benefits. Because of this, clear vinyl has a very low tolerance to ultra violet ray exposure, wind, airborne particulate matter, hot or cold temperatures, elasticity due to wind and rain and handling. Any or all of these factors will cause clear fabric to under perform when compared to traditional tent fabric.

Special attention should be paid to the cleaning of these items. Use only the softest towels when cleaning the clear membrane to avoid scratching the highly polished surface, and wipe dry to avoid water spots. Use standard diluted tent cleaning solution. **DO NOT USE OTHER CHEMICALS.**

Exposure to ultra violet rays for an extended amount of time as will occur with time over the life of the product, will cause the fabric to appear milky or opaque. Putting away and storing damp or wet clear vinyl will result in an amber hue in the clear film. Steady wind can whip clear vinyl back and forth and cause surface or through cracks in the fabric. Heat in excess of Eighty-five degrees can cause clear vinyl to change shape, bubble, shrink or stretch. Although our clear vinyl has a cold crack rating of minus fifteen degrees Fahrenheit, that rating is for a static environment. Any introduction of wind or manipulation by handling will cause failure (cracking like glass) at nominal temperatures above freezing. Airborne particulate matter will abrade the surface and cause the finish to become less translucent.

Clear tent tops are also very susceptible to water ponding as they are highly elastic. If rain is forecasted during the use of these products it is recommended to take additional precautions and more frequent inspections throughout the duration of the rainfall to inspect for potential ponding on the roof fabric. If rainwater ponding occurs at any point on the fabric, evacuate the tent, remove the water, and adjust the tie back rope/web prestress tension and/or fabric tensioning over the frame back to its design geometry to achieve positive drainage.

Other Resources

American Rental Association- www.ararental.org

Tent Rental Division of The Industrial Fabric Association International- www.tentexperts.org

Tools Required for Installation

Sledge Hammer	For driving anchoring stakes
Canopy Jacks	For lifting Frame
Drop Cloths	For protecting fabric membrane
8' Ladder	General installation tool
Utility Knife	General installation tool
Tape Measure	General installation tool
Marking Paint/Chalk	Used to mark anchoring locations and tent boundaries

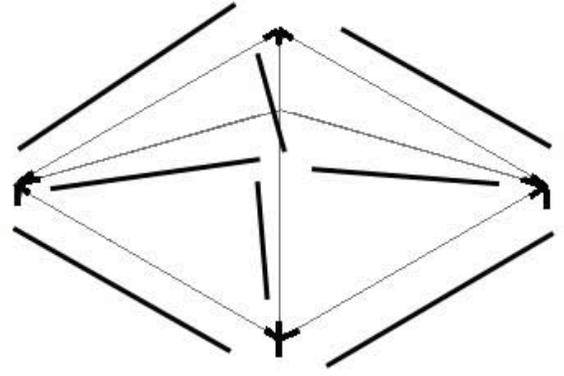
Optional Items & Accessories Available

Side Wall Panels	To enclose walls of tent
Raingutters	To collect and divert water away from connecting tent entrances
Decorative Liners	To add decorative look and hide most rafter framework
Canopy Doors	To add easily accessible means of egress to and from the tent
Additional Anchors	Additional anchors used to secure the tent system

Installation Procedure: 10' Wide

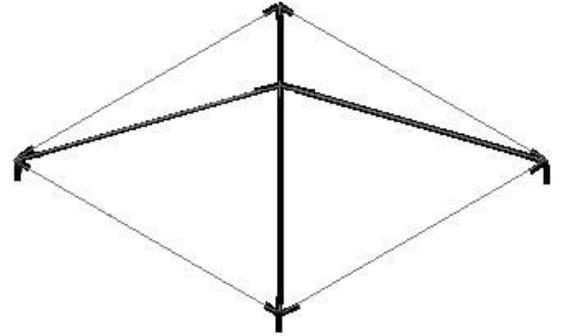
Step 1:

Lay out four (4) corner fittings and four (4-White 9' 4") (A) spreader pipe to form perimeter frame. Layout (4) hip rafters (Yellow 6'10") "B" on the ground and place the 4pt Crown in the center of the tent.



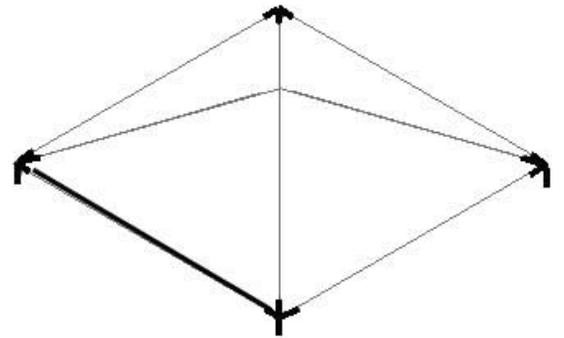
Step 2:

Start assembling the frame by inserting and pinning the four hip rafter poles to the 4pt Crown. Connect the corner fittings to the bottom of the rafter pipes.



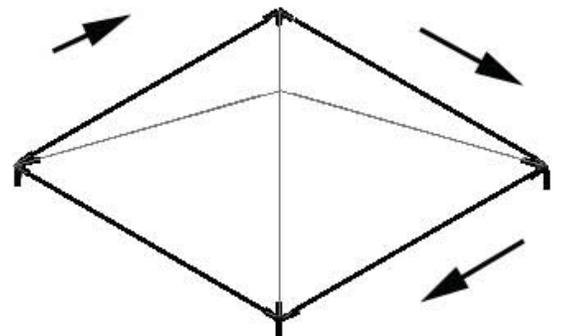
Step 3:

Start at one corner of the tent and connect and pin the corner fitting to the perimeter pipe.



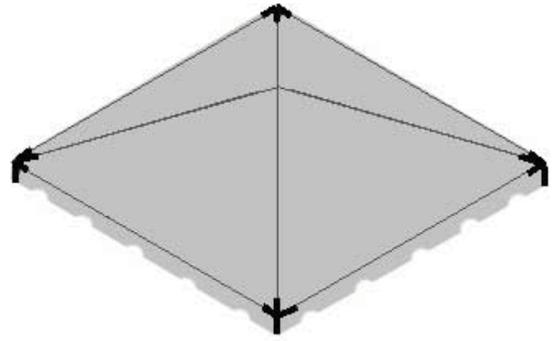
Step 4:

Continue by connecting and pinning the perimeter pipe to this corner and work your way around the tent connecting all of the perimeter pipes and corner.



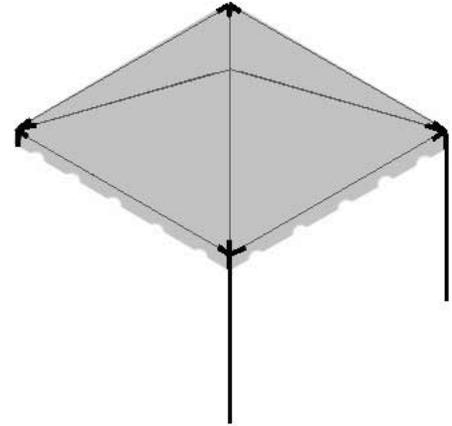
Step 5:

Layout the tent top over the frame and use the buckles on the underside of the top to attach to the frame. Secure the two buckles closest to the corner fitting first then tighten the remainder of the buckles. You may want to lay out a ground cloth at this time to prevent damage to the tent top when it touches the ground.



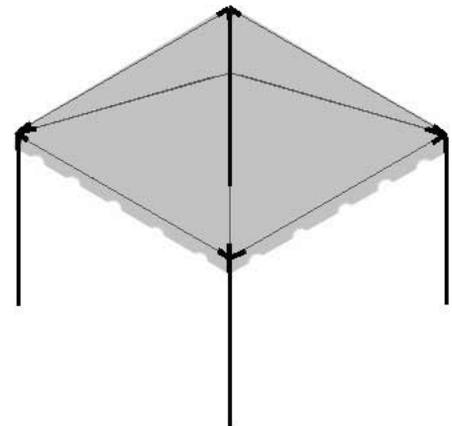
Step 6:

Lift up one side of the tent off the ground and slide two of the leg pipes over the corner fitting and pin into place.



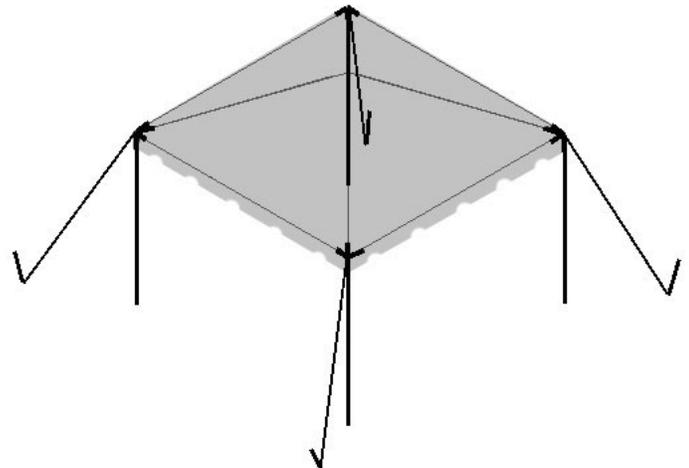
Step 7:

Lift up the other side of the tent and install and pin the leg pipes on the other two corner fittings.



Step 8:

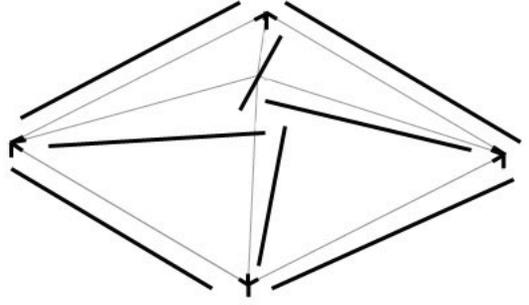
Anchor the tent with the included stakes and ropes. The ropes should be tied around each of the perimeter fittings with an overhand slip knot. The stakes should be driven approximately six (6) feet away from the bottom of the leg. To achieve proper rope tension, drive each stake approximately 38" into the ground with a sledge hammer. Tie the rope to the stake with a clove hitch and continue driving the stake into the ground until the rope is tight



Installation Procedure: 15' Wide

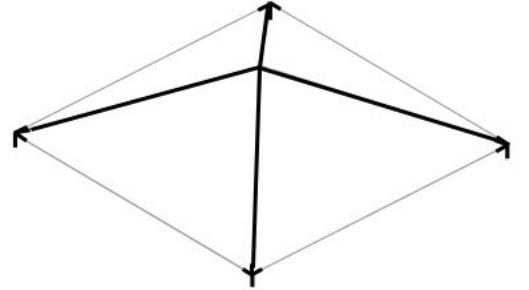
Step 1:

Lay out four (4) corner fittings and four (4- 14' 4") spreader pipe to form perimeter frame. Layout (4) hip rafters (10'6") on the ground and place the 4pt Crown in the center of the tent.



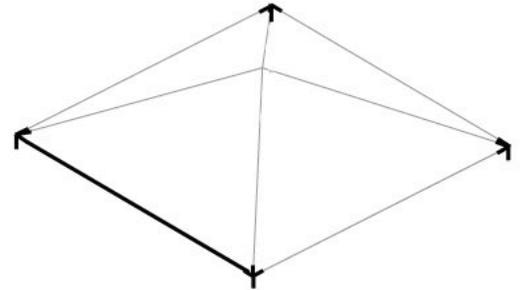
Step 2:

Start assembling the frame by inserting and pinning the four hip rafter poles to the 4pt Crown. Connect the corner fittings to the bottom of the rafter pipes.



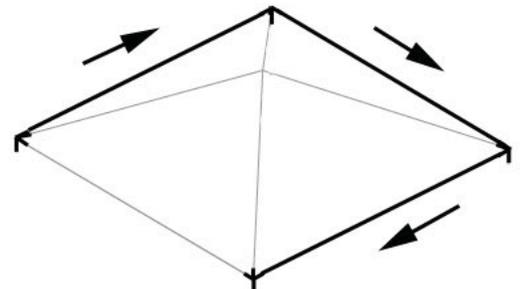
Step 3:

Start at one corner of the tent and connect and pin the corner fitting to the perimeter pipe.



Step 4:

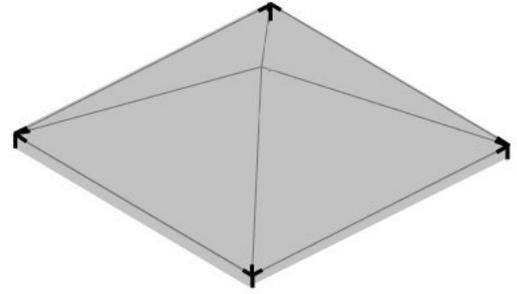
Continue by connecting and pinning the perimeter pipe to this corner and work your way around the tent connecting all of the perimeter pipes and corner fittings until all of the upper framing is connected and pinned.



Step 5:

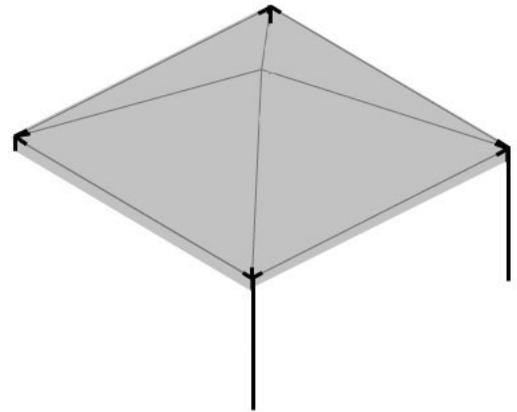
Carefully layout the tent top over the frame and use the buckles on the underside of the top to attach to the frame. Secure the two buckles closest to the corner fitting first then tighten the remainder of the buckles. You may want to lay out a ground cloth at this time to prevent damage to the tent top when it touches the ground.

****Dragging the top fabric on the ground, or pulling hard over frame parts can damage, tear, and scratch the fabric. Be careful with your fabric.**



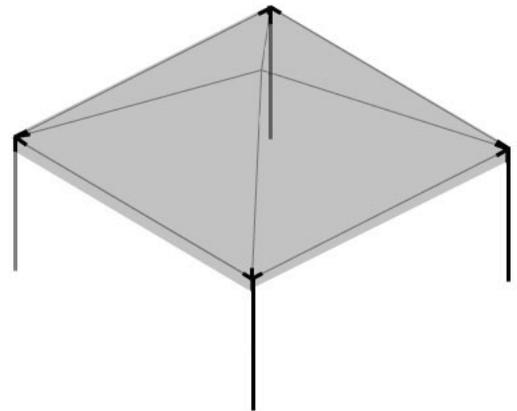
Step 6:

Lift up one side of the tent off the ground and slide two of the leg pipes over the corner fitting and pin into place.



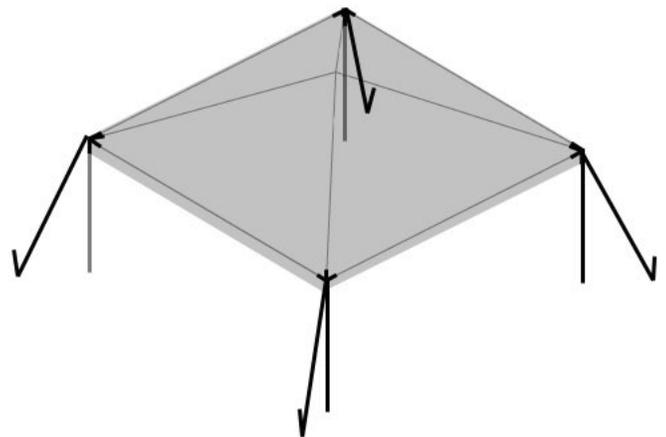
Step 7:

Lift up the other side of the tent and install and pin the leg pipes on the other two corner fittings.



Step 8:

Anchor the tent with the included stakes and ropes. The ropes should be tied around each of the perimeter fittings with an overhand slip knot. The stakes should be driven approximately six (6) feet away from the bottom of the leg. To achieve proper rope tension, drive each stake approximately 38" into the ground with a sledge hammer. Tie the rope to the stake with a clove hitch and continue driving the stake into the ground until the rope is tight

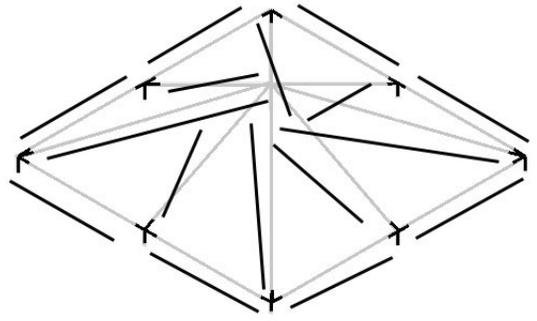


Installation Procedure:

20' Wide

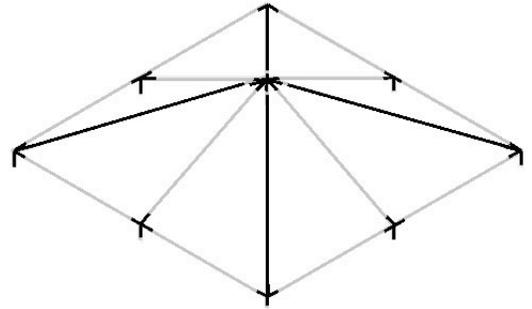
Step 1:

Lay out four (4) corner fittings and eight (8- 9' 4") spreader pipe to form perimeter frame. Lay out (4) hip rafters (14'4") on the ground and place the 8pt Crown in the center of the tent.



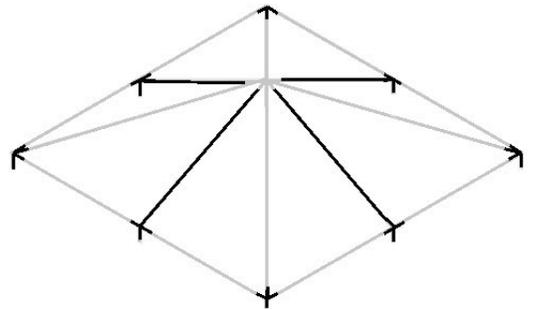
Step 2:

Start assembling the frame by inserting and pinning the four hip rafter poles to the 8pt Crown. Connect the corner fittings to the bottom of the rafter pipes.



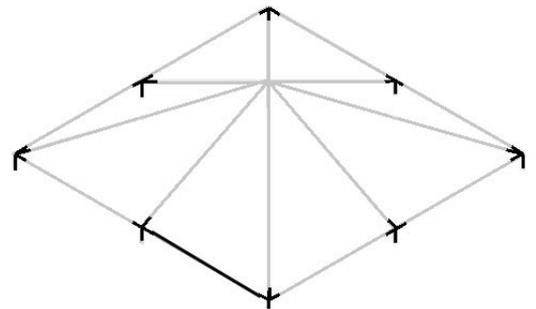
Step 3:

Connect and pin the four (4) rafter pipes to the 8pt crown



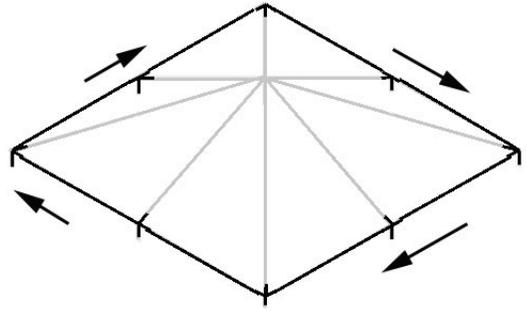
Step 4:

Start at one corner of the tent and connect and pin the corner fitting to the perimeter pipe.



Step 5:

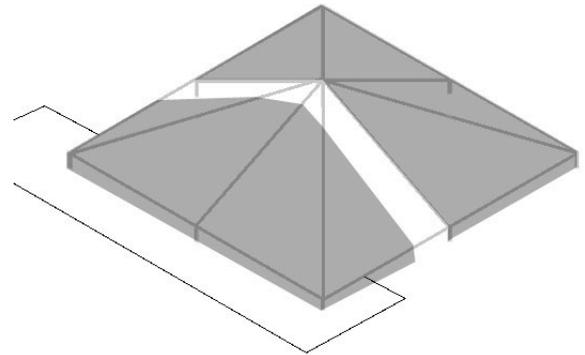
Continue by connecting and pinning the perimeter pipe to this corner and work your way around the tent connecting all of the perimeter pipes, side tees, and corner fittings until all of the upper framing is connected and pinned.



Step 6:

Carefully layout the tent top over the frame and use the buckles on the underside of the top to attach to the frame. You may want to lay out a ground cloth at this time to prevent damage to the tent top when it touches the ground.

****Dragging the top fabric on the ground, or pulling hard over frame parts can damage, tear, and scratch the fabric. Be careful with your fabric.**



Step 7:

For 1pcTops skip to step 9. For expandable tops the multiple sections of the tent top fabric are joined with either a clasp or lace system and a Velcro storm flap. The photo to the right shows the clasp style connection before the storm flap has been secured.



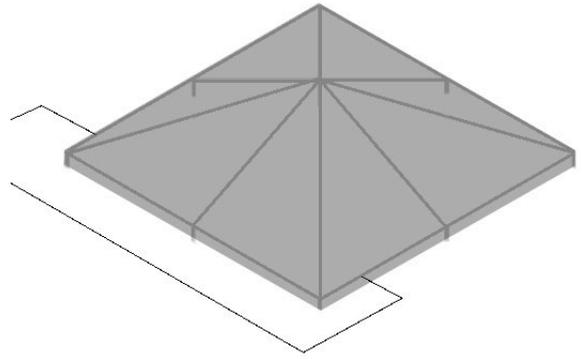
Step 8:

The photo to the right shows the lace style connection before the storm flap has been secured.



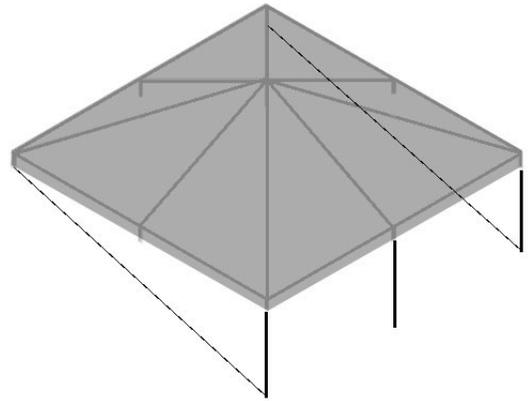
Step 9:

Now secure the tent top to the perimeter frame. Tighten the two buckles closest to the corner fitting first then tighten the remainder of the buckles.



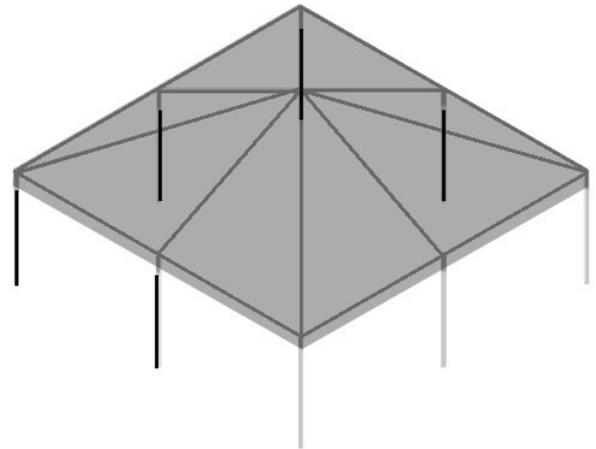
Step 10:

Lift up one side of the tent off the ground and slide two of the leg pipes over the corner fitting and pin into place.



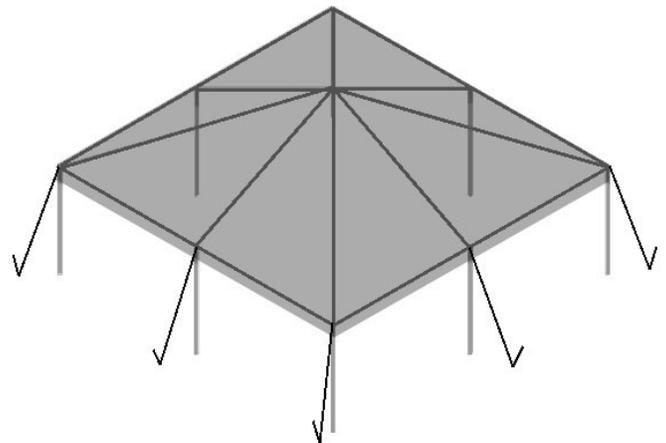
Step 11:

Lift up the other side of the tent and install and pin the leg pipes on the other two corner fittings.



Step 12:

Anchor the tent with the included stakes and ropes. The ropes should be tied around each of the perimeter fittings with an overhand slip knot. The stakes should be driven approximately six (6) feet away from the bottom of the leg. To achieve proper rope tension, drive each stake approximately 38" into the ground with a sledge hammer. Tie the rope to the stake with a clove hitch and continue driving the stake into the ground until the rope is tight

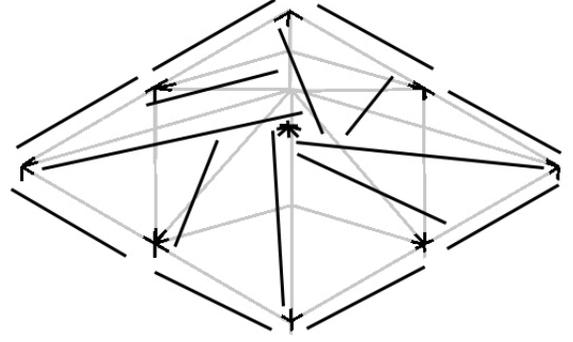


Installation Procedure:

30' Wide

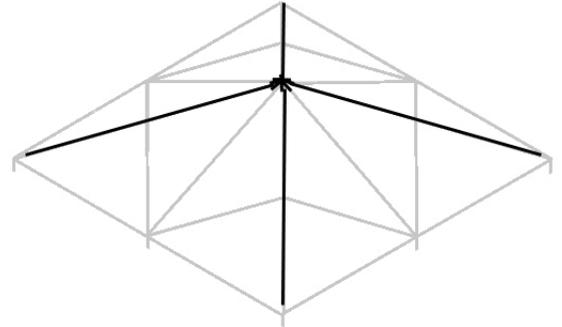
Step 1:

Lay out the perimeter pipes, rafter poles, and hip rafter poles on the ground using the included diagram. Lay out the corner fittings, special side tee fittings, and crown fitting on the ground.



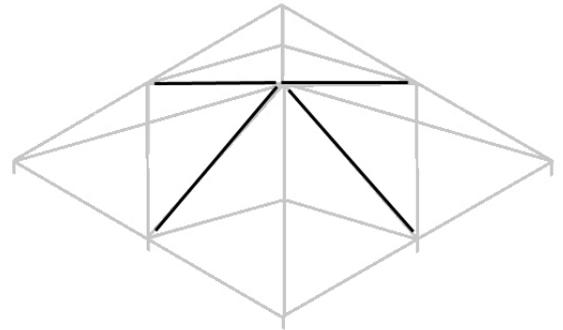
Step 2:

Connect and pin the four (4) 21'10" hip rafter poles to the 8pt crown.



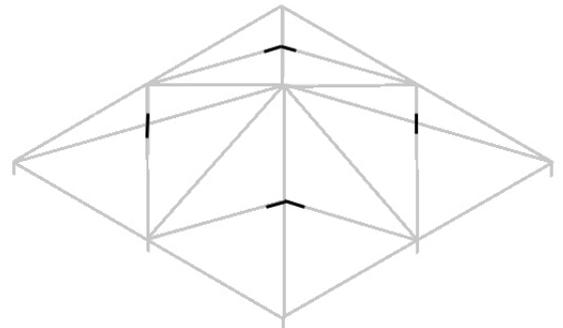
Step 3:

Connect and pin the four (4) 16'1" rafter poles to the 8pt crown.

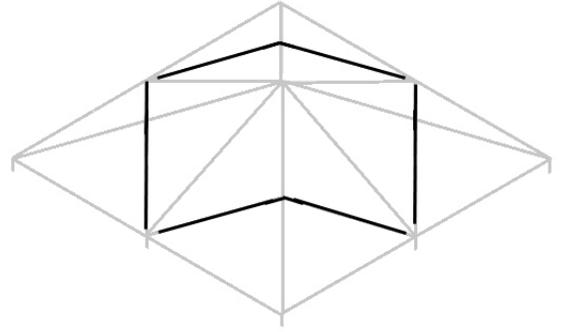


Step 4:

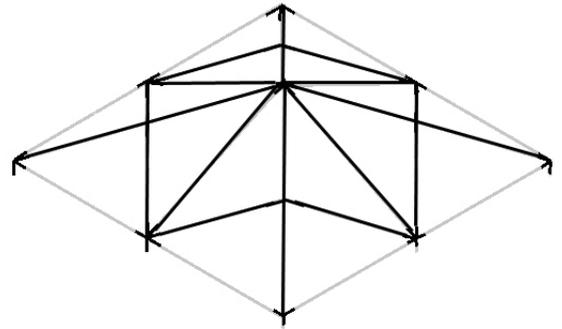
Slide the "30x Slide Hip Fitting" over the hip rafter pole and slide up to the midpoint of the pole.



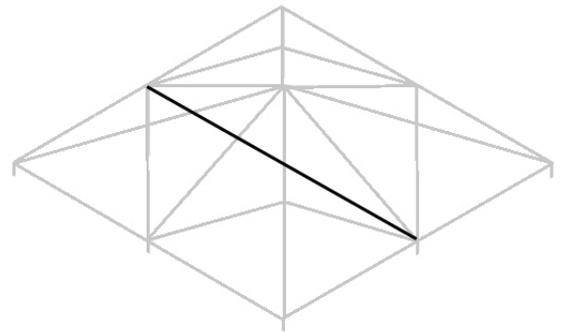
Step 5:
Connect and pin the eight (8) 10'6" hip brace pipes to the "30x Slide hip Fitting":



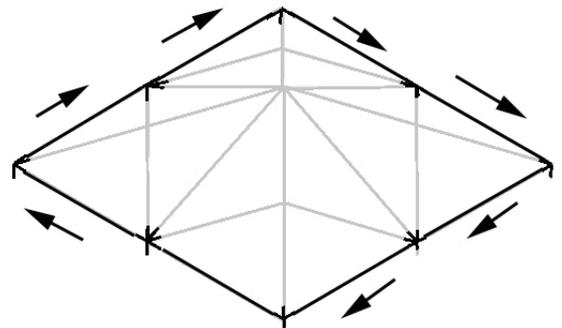
Step 6:
Now connect and pin the Special Side Tee fitting to the rafter pipe and the hip brace pipes



Step 7:
Install the 30' cable across from the special side tee to the opposite special side tee across the tent. The cable should be looped over the perimeter arm of the fitting and will keep the tent from bowing outward past the 30' width.



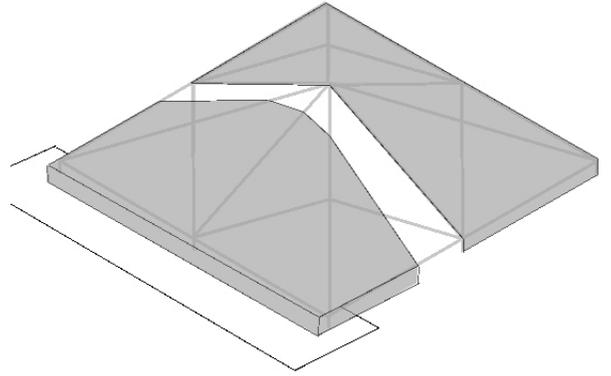
Step 8:
Start at one corner of the tent and begin to connect and pin the perimeter pipes. Install the corner fitting on the end of the 21'10" hip rafter and slide on the perimeter pipe. Once both pipes are on the fitting, line up hole and install the pins. Continue around the tent connecting and pinning the perimeter pipes, corner fittings, and special side tee fittings.



Step 9:

Lay down a drop cloth to unfold the tent top on one end of the tent. Make sure to inspect the tent top for cleanliness at this time as it becomes next to impossible to clean the exterior of the tent once the top is installed. Unfold the tent top and pull it over the frame shiny side up. The buckles should be on the underside of the tent top.

******Dragging the top fabric on the ground, or pulling hard over frame parts can damage, tear, and scratch the fabric. Be careful with your fabric.



Step 10:

For 1pcTops skip to step 12. For expandable tops the multiple sections of the tent top fabric are joined with either a clasp or lace system and a velcro storm flap. The photo to the right shows the clasp style connection before the storm flap has been secured.



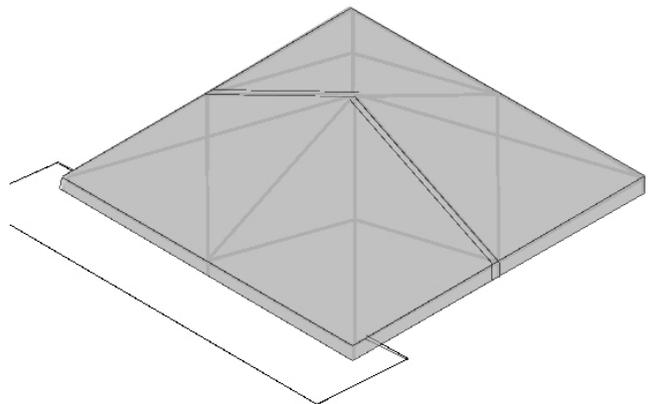
Step 11:

The photo to the right shows the lace style connection before the storm flap has been secured.



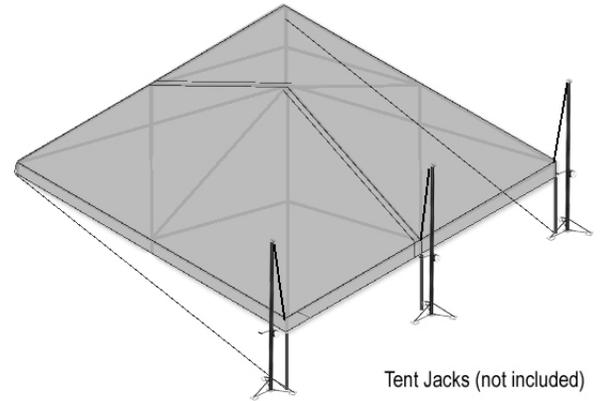
Step 12:

Now secure the tent top to the perimeter frame. Tighten the two buckles closest to the corner fitting first then tighten the remainder of the buckles.



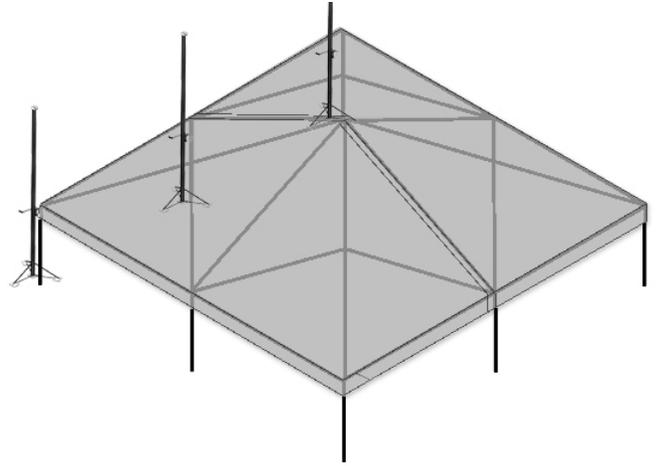
Step 13:

Lift up one side of the tent off the ground and slide two of the leg pipes over the corner fitting and pin into place. Tent Jacks (optional accessory) are shown to aid in the lifting of the frame. Either using tent jacks, man power, or another lifting device the frame needs to be supported at every leg when lifting to prevent undue stress on frame members.



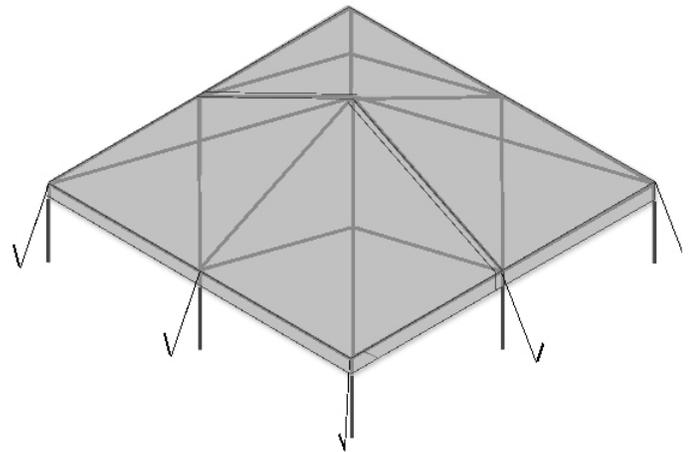
Step 14:

Lift up the other side of the tent and install and pin the leg pipes on the other two corner fittings and middle legs.



Step 15:

Anchor the tent with the included stakes and ropes. The ropes should be tied around each of the perimeter fittings with an overhand slip knot. The stakes should be driven approximately six (6) feet away from the bottom of the leg. To achieve proper rope tension, drive each stake approximately 38" into the ground with a sledge hammer. Tie the rope to the stake with a clove hitch and continue driving the stake into the ground until the rope is tight

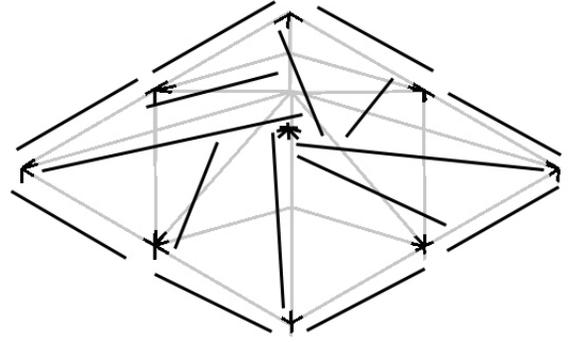


Installation Procedure:

40' Wide

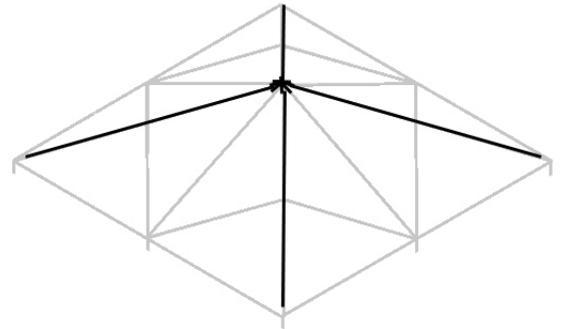
Step 1:

Layout the perimeter pipes, rafter poles, and hip rafter poles and brace poles on the ground using the included color diagram. The entire included framework is color coded by length.



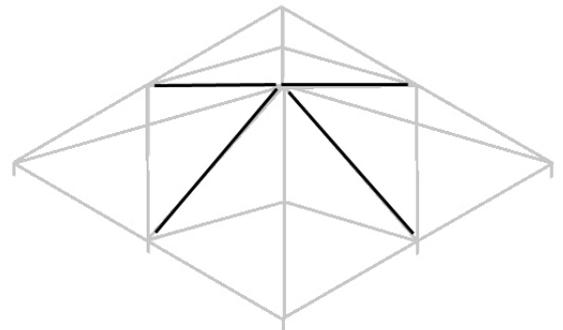
Step 2:

Start building the frame by connecting and pinning the four (4) 21'10" rafter pipes to the 8pt Crown fitting.



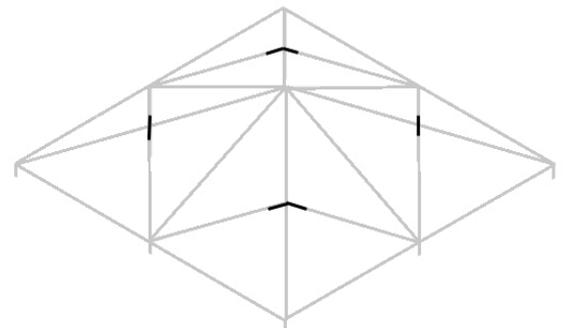
Step 3:

Starting from the crown and working down connect and pin the 14'4" hip rafters to the Crown. Now connect and pin the 40x Hip Intermediate to the bottom end of the upper 14'4" hip rafter. Continue by connecting and pinning the lower four (4) 14'4" hip rafter pipes.

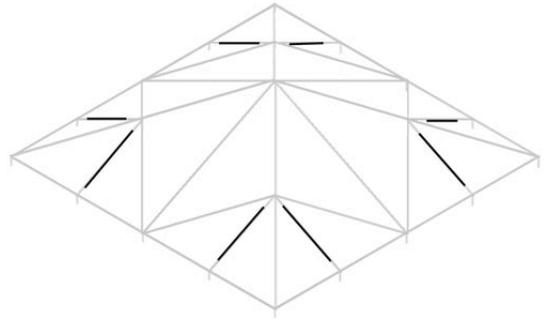


Step 4:

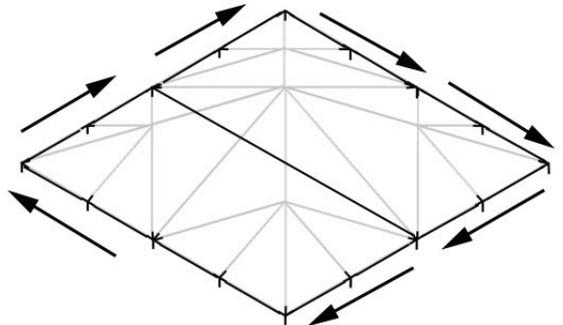
Connect and pin the eight (8) 14'4" Braces to the 40x Hip Intermediate Fitting.



Step 5:
Connect and pin the eight (8) 10'6" Braces to the 40x Hip Intermediate Fitting.

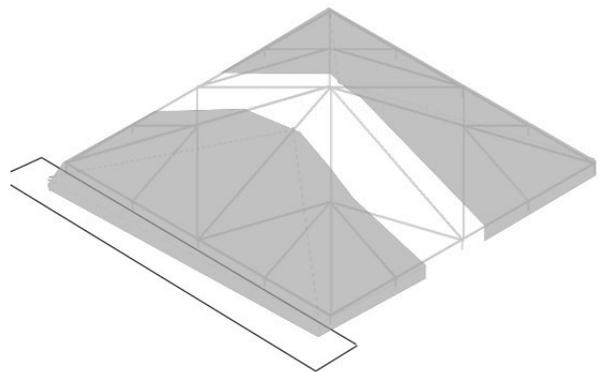


Step 6:
Start at one corner of the tent and begin to connect and pin the perimeter pipes. Install the corner fitting on the end of the 14'4" hip rafter and slide on the perimeter pipe. Once both pipes are on the fitting, line up hole and install the pins. Continue around the tent connecting and pinning the perimeter pipes, corner fittings, side tee fittings and special side tee fittings. Install the 40' cable across from the special side tee to the opposite special side tee across the tent. The cable should be looped over the perimeter arm of the fitting and will keep the tent from bowing outward past the 40' width.



Step 7:
Lay down a drop cloth to unfold the tent top on one end of the tent. Make sure to inspect the tent top for cleanliness at this time as it becomes next to impossible to clean the exterior of the tent once the top is installed. Unfold the tent top and pull it over the frame shiny side up. The buckles should be on the underside of the tent top.

****Dragging the top fabric on the ground, or pulling hard over frame parts can damage, tear, and scratch the fabric. Be careful with your fabric.**



Step 8:
For 1pcTops skip to step 10. For expandable tops the multiple sections of the tent top fabric are joined with either a clasp or lace system and a velcro storm flap. The photo to the right shows the clasp style connection before the storm flap has been secured.



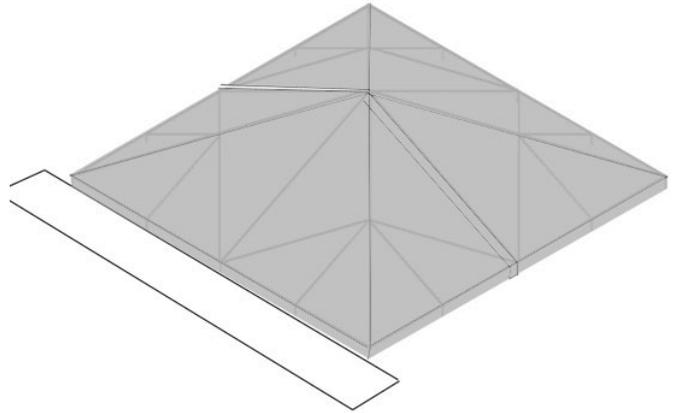
Step 9:

The photo to the right shows the lace style connection before the storm flap has been secured.



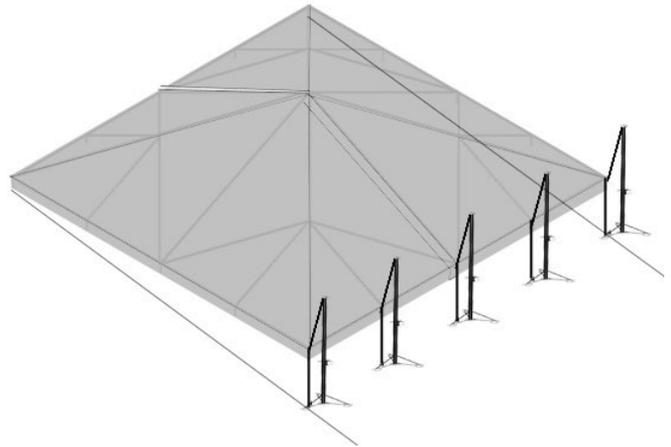
Step 10:

Now secure the tent top to the perimeter frame. Tighten the two buckles closest to the corner fitting first then tighten the remainder of the buckles.



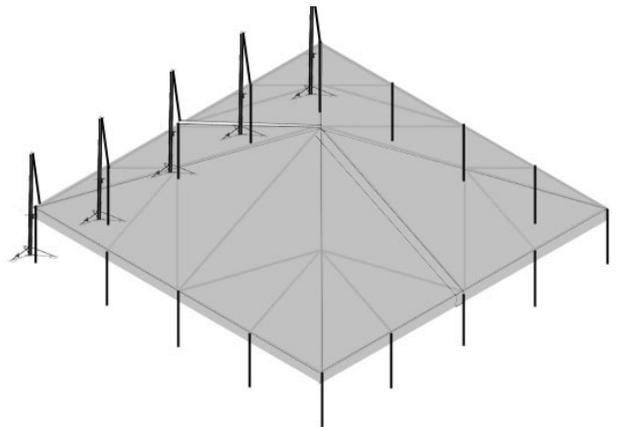
Step 11:

Lift up one side of the tent off the ground and slide two of the leg pipes over the corner fitting and pin into place. Tent Jacks (optional accessory) are shown to aid in the lifting of the frame. Either using tent jacks, man power, or another lifting device the frame needs to be supported at every leg when lifting to prevent undue stress on frame members.



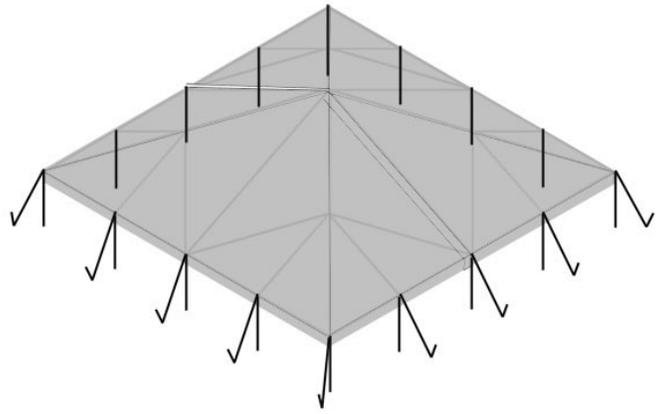
Step 12:

Lift up the other side of the tent and install and pin the leg pipes on the other two corner fittings and middle legs.

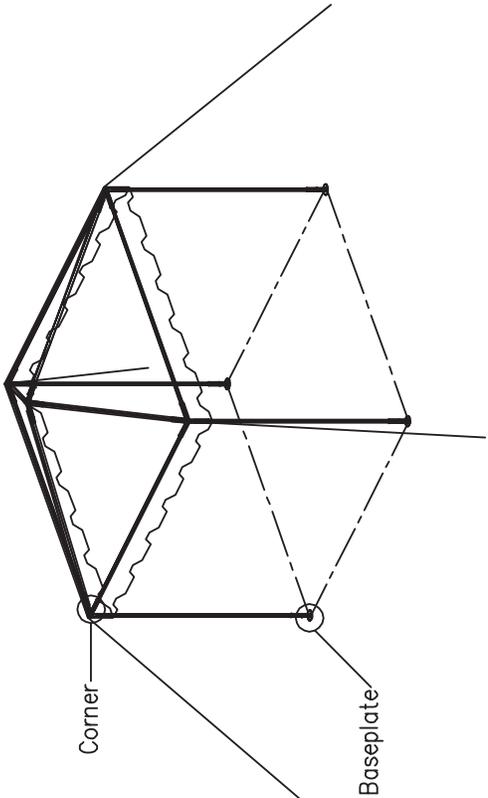


Step 13:

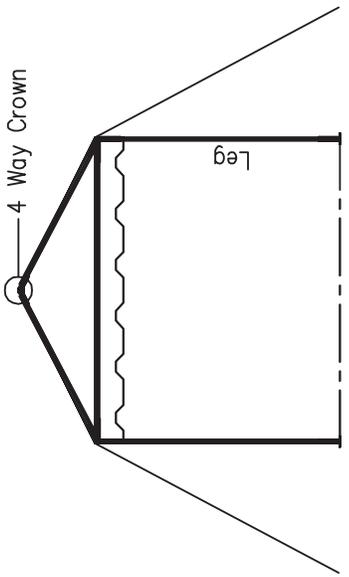
Anchor the tent with the included stakes and ropes. The ropes should be tied around each of the perimeter fittings with an overhand slip knot. The stakes should be driven approximately six (6) feet away from the bottom of the leg. To achieve proper rope tension, drive each stake approximately 38" into the ground with a sledge hammer. Tie the rope to the stake with a clove hitch and continue driving the stake into the ground until the rope is tight



REV		DRAWING NUMBER		DATE		CHECKED		DRAWN		ENGINEER		PART DESCRIPTION		CODE		SIZE	
0				06/28/06		-		CM		KT		FRAME		AZ-1010-FRAME			
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STANDARD																	



ISOMETRIC VIEW



SIDE VIEW

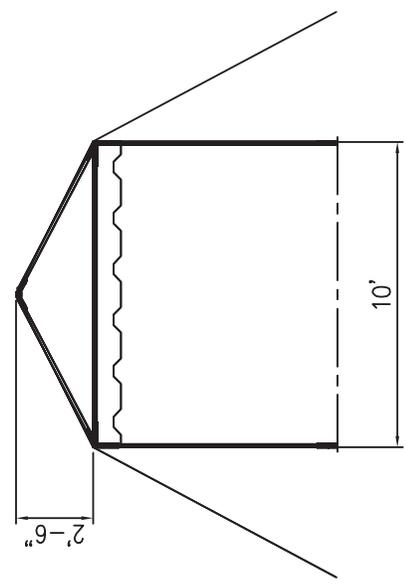
10' x 10' FRAME TENT

- PIPE: 2"
 (4) 6'-8"/7'-8"/9'-4" LEGS
 (4) 6'-10" HIP RAFTER
 (4) 9'-4" WHITE SPREADER

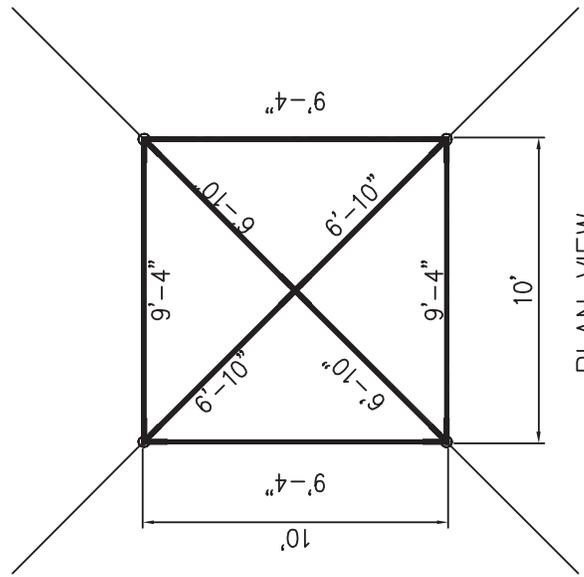
- FITTINGS:
 (4) CORNER
 (1) 4 WAY CROWN
- EXPANDABLE:
 (2) 3 WAY CROWNS

- OPTIONS:
 (24) ASSEMBLY PINS
 (4) STAKES
 (4) ROPES
 (4) BASEPLATES

- QWIK TOP OPTIONS:
 (4) RATCHET TENSIONERS
 (4) QWIK BASEPLATES



END VIEW

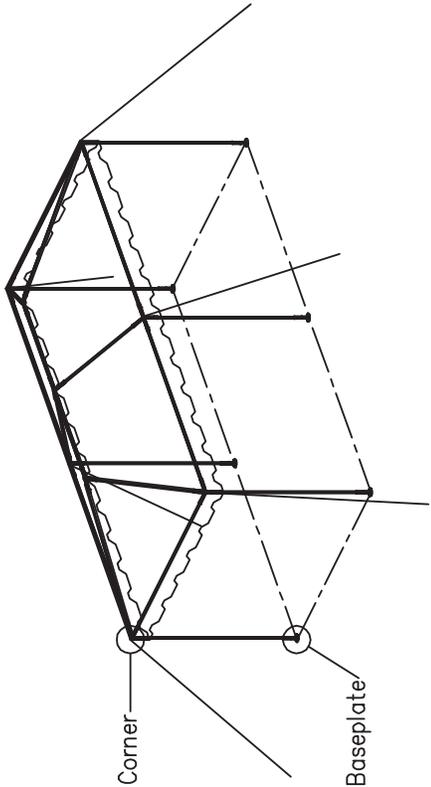
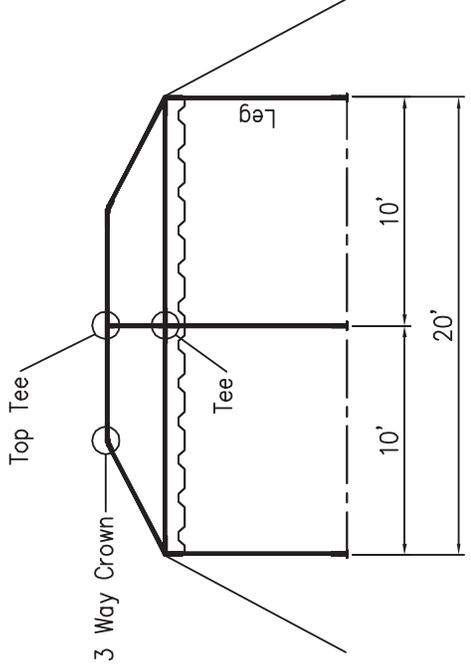


PLAN VIEW

REV	DRAWING NUMBER	SIZE	CODE	PART DESCRIPTION	DATE	CHECKED	ENGINEER	DRAWN	KT
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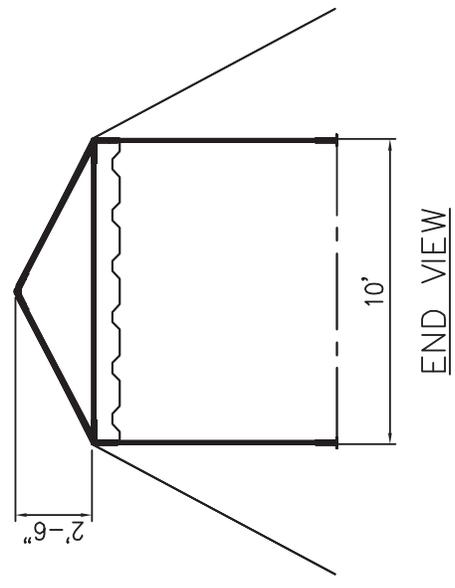
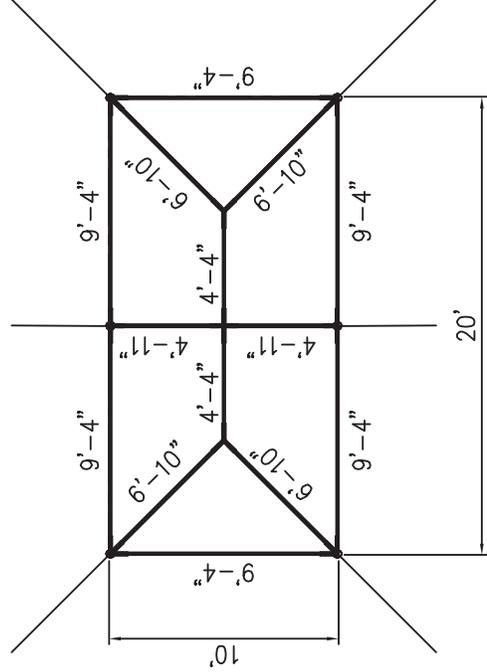
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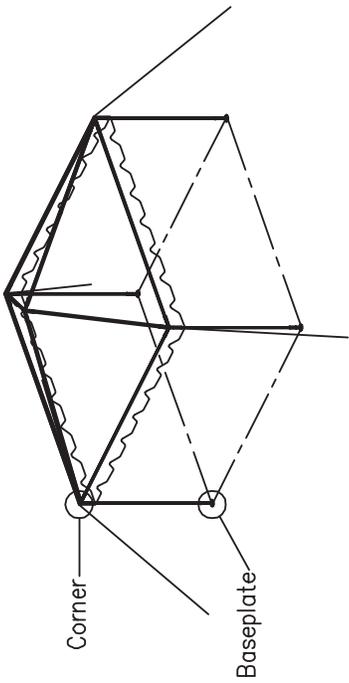
AZTEC
 490 ALASKA AVE. TORRANCE, CA 90503
 (800) 228-3687 - FAX (310) 381-0722



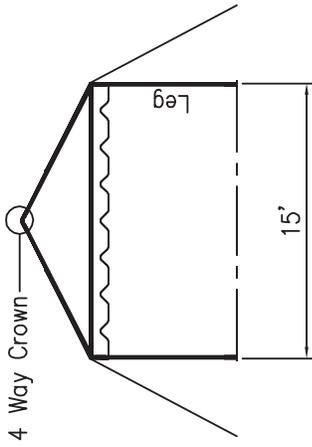
10' x 20' FRAME TENT

- PIPE: 2"**
- (6) 6'-8" / 7'-8" / 9'-4" LEGS
 - (4) 6'-10" HIP RAFTER
 - (2) 4'-4" SPREADER
 - (2) 4'-11" RAFTER
 - (6) 9'-4" SPREADER
- FITTINGS:**
- (4) CORNER
 - (2) 3 WAY CROWN
 - (1) TOP TEE
 - (2) TEE
- OPTIONS:**
- (36) ASSEMBLY PINS
 - (6) STAKES
 - (6) ROPES
 - (6) BASEPLATES
- QWIK TOP OPTIONS:**
- (6) RATCHET TENSIONERS
 - (6) QWIK BASEPLATES





ISOMETRIC VIEW



SIDE VIEW

15' x 15' FRAME TENT

PIPE: 2"

- (4) 6'-8"/7'-8"/9'-4" LEGS
- (4) 10'-6" HIP RAFTER
- (4) 14'-4" SPREADER

FITTINGS:

- (4) CORNER
- (1) 4 WAY CROWN

EXPANDABLE:

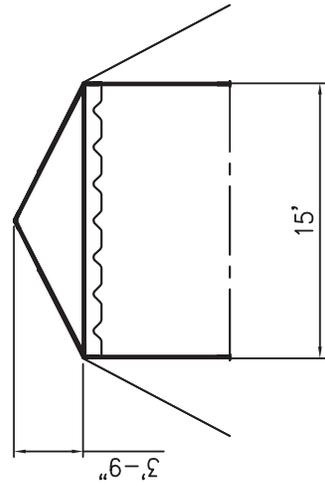
- (2) 3 WAY CROWNS

OPTIONS:

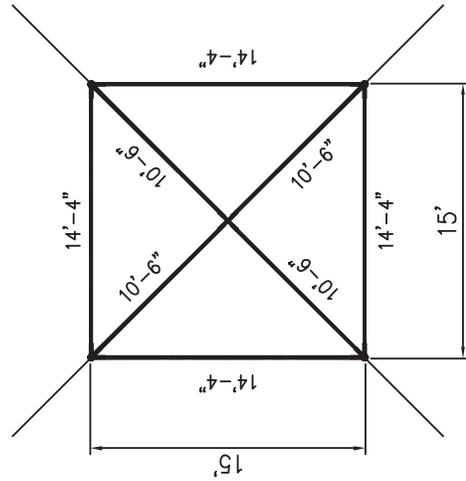
- (24) ASSEMBLY PINS
- (4) STAKES
- (4) ROPES
- (4) BASEPLATES

QWIK TOP OPTIONS:

- (4) RATCHET TENSIONERS
- (4) QWIK BASEPLATES

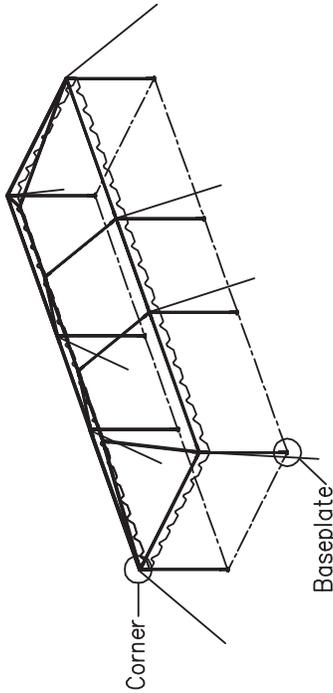


END VIEW

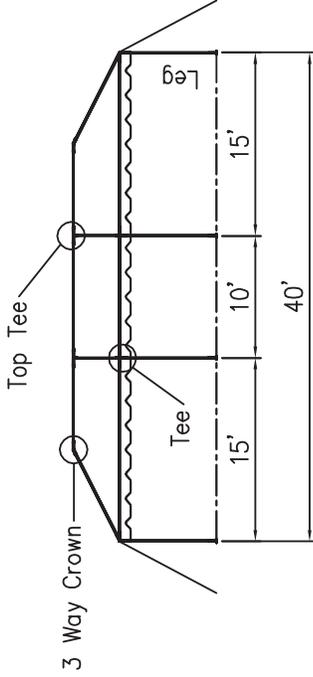


PLAN VIEW

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PART DESCRIPTION FRAME TENT / STANDARD	CODE AZ-1515-FRAME	SIZE 15' x 15'	DRAWING NUMBER KT	DRAWING NUMBER KT	REV 1



ISOMETRIC VIEW



SIDE VIEW

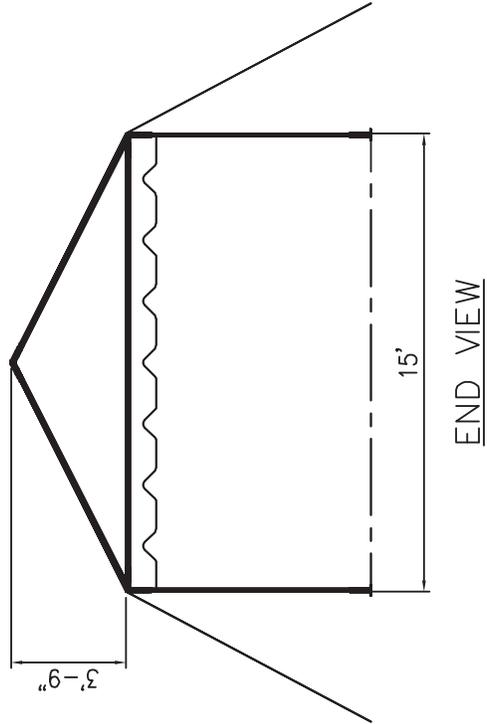
15' x 40' FRAME TENT

- PIPE: 2"
- (8) 6'-8" / 7'-8" / 9'-4" LEGS
 - (4) 10'-6" HIP RAFTER
 - (2) 6'-10" SPREADER
 - (4) 7'-8" RAFTER
 - (3) 9'-4" SPREADER
 - (6) 14'-4" SPREADER

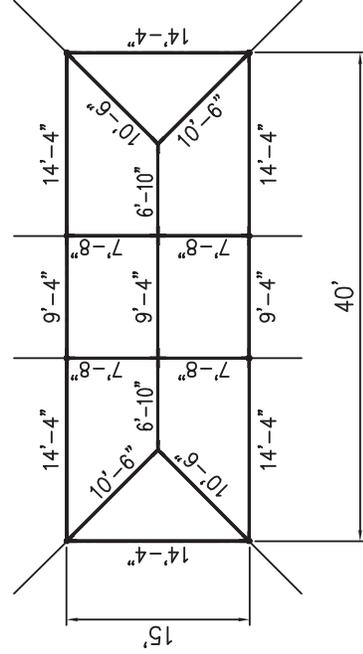
- FITTINGS:
- (4) CORNER
 - (2) 3 WAY CROWN
 - (2) TOP TEE
 - (4) TEE

- OPTIONS:
- (54) ASSEMBLY PINS
 - (8) STAKES
 - (8) ROPES
 - (8) BASEPLATES

- QWIK TOP OPTIONS:
- (8) RATCHET TENSIONERS
 - (8) QWIK BASEPLATES



END VIEW

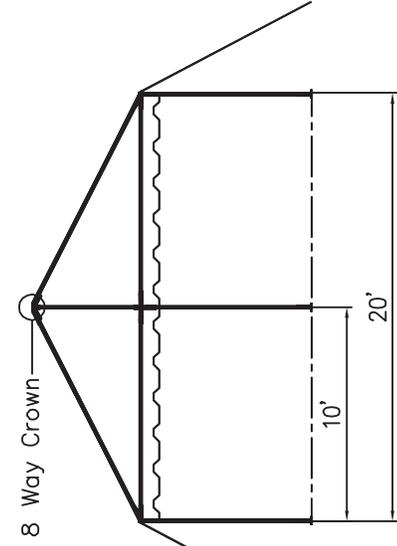


PLAN VIEW

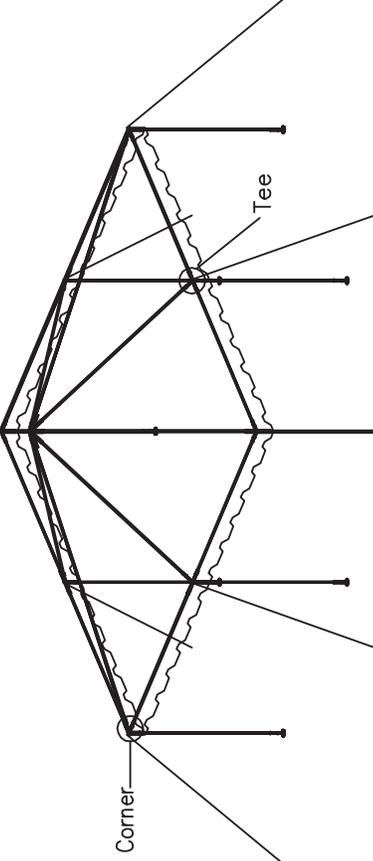
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STANDARD / STANDARD		490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722 		FRAME TENTS\DIAGRAMS\15x40 043007 1210				

FRAME TENTS\DIAGRAMS\20x20x20 100306 940		CHECKED -	DATE 07/10/06
ENGINEER CM		DRAWN KT	REV
490 ALASKA AVE. TORRANCE, CA. 90503 (800) 228-3687 - FAX (310) 361-0722		DRAWING NUMBER	
AZTEC		AZ-2020-FRAME	
STANDARD		3	

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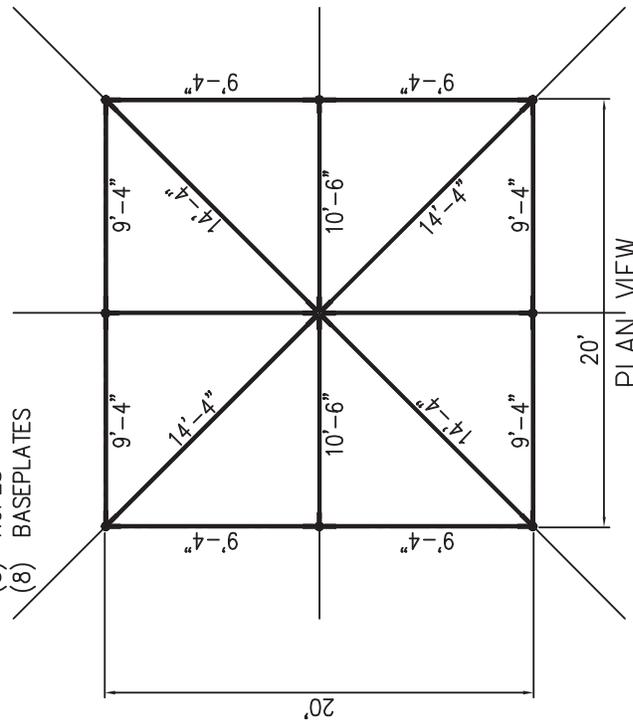
SIDE VIEW



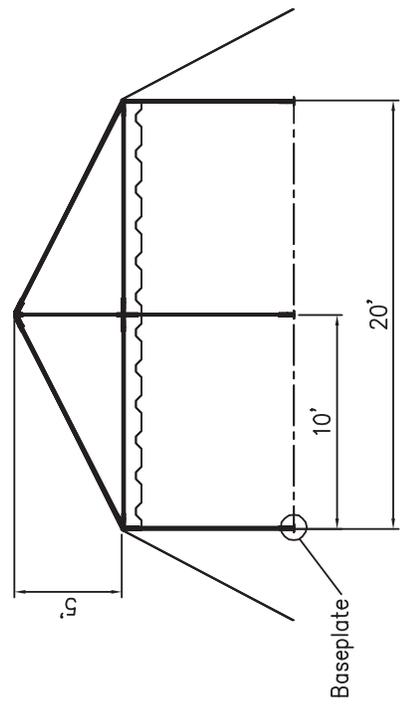
ISOMETRIC VIEW

20' x 20' FRAME TENT

- PIPE: 2"
- (8) 6'-8" / 7'-8" / 9'-4" LEGS
 - (4) 14'-4" HIP RAFTER
 - (8) 9'-4" SPREADER
 - (4) 10'-6" RAFTER
- FITTINGS:
- (4) CORNER
 - (1) 8 WAY CROWN
 - (4) TEES
- EXPANDABLE:
- (2) 6 WAY CROWNS
- OPTIONS:
- (48) ASSEMBLY PINS
 - (8) STAKES
 - (8) ROPES
 - (8) BASEPLATES
- QWIK TOP OPTIONS:
- (8) RATCHET TENSIONERS
 - (8) QWIK BASEPLATES



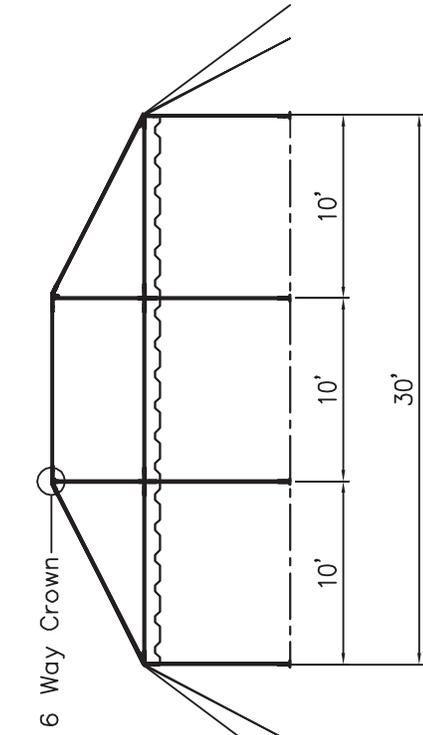
PLAN VIEW



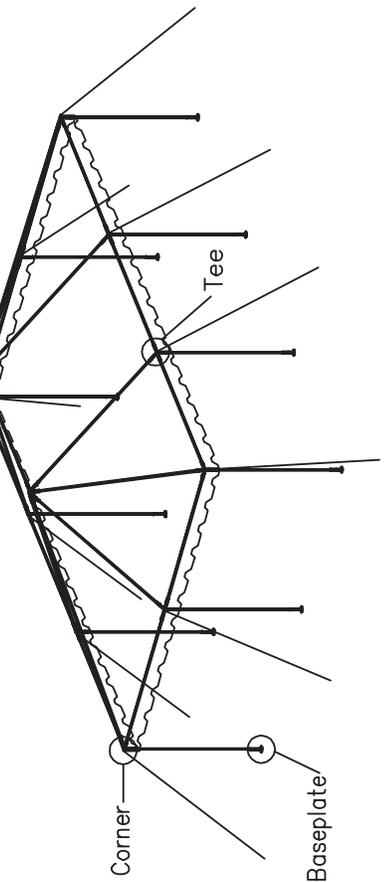
END VIEW

REV		DRAWING NUMBER		DATE		CHECKED		DRAWN		ENGINEER		FRAME TENTS\DIAGRAMS\20x\20x30		071006 1655	
0				07/10/06		-		CM		KT		AZTEC		490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722	
PART DESCRIPTION		CODE		SIZE		DRAWING NUMBER		REV		FRAME TENTS / STANDARD		AZTEC		490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722	
FRAME		AZ-2030-FRAME								FRAME TENTS / STANDARD		AZTEC		490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722	

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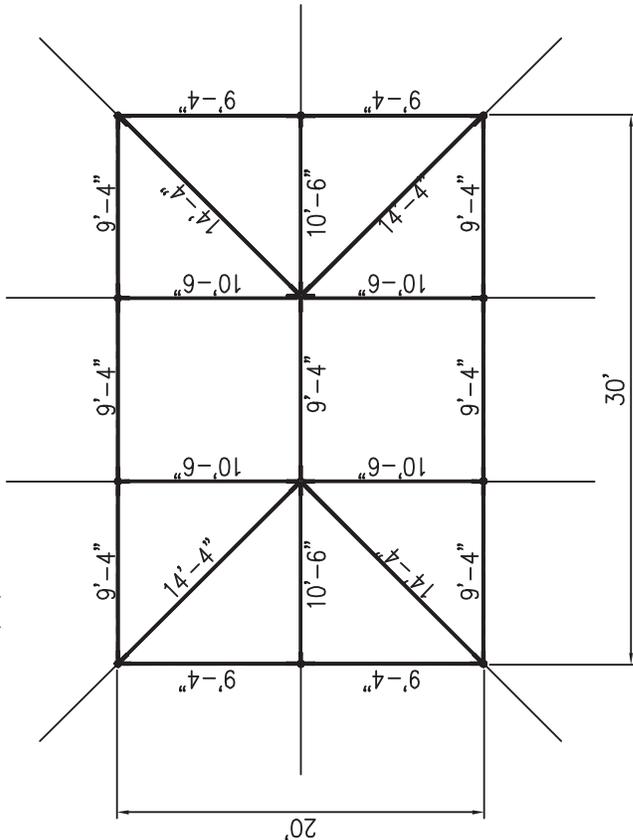
ISOMETRIC VIEW



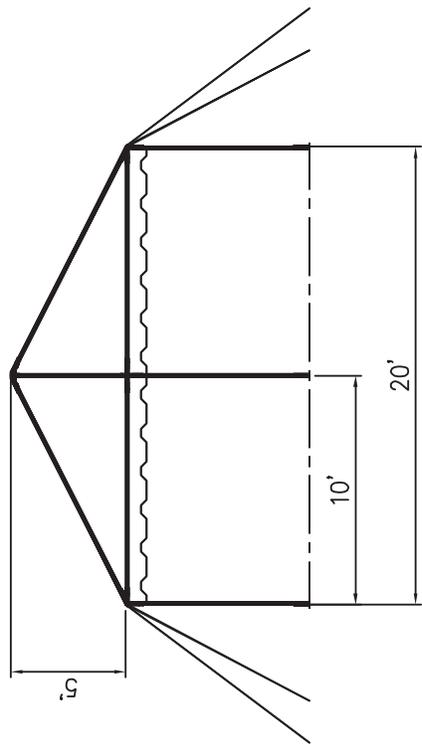
SIDE VIEW

20' x 30' FRAME TENT

- PIPE: 2"
- (10) 6'-8" / 7'-8" / 9'-4" LEGS
 - (4) 14'-4" HIP RAFTER
 - (11) 9'-4" SPREADER
 - (6) 10'-6" RAFTER
- FITTINGS:
- (4) CORNER
 - (2) 6 WAY CROWN
 - (6) TEES
- OPTIONS:
- (62) ASSEMBLY PINS
 - (10) STAKES
 - (10) ROPES
 - (10) BASEPLATES
- QWIK TOP OPTIONS:
- (10) RATCHET TENSIONERS
 - (10) QWIK BASEPLATES



PLAN VIEW

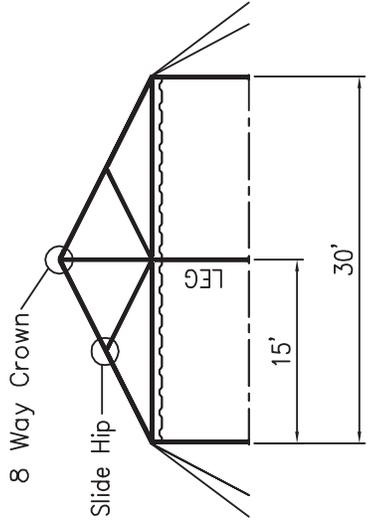


END VIEW

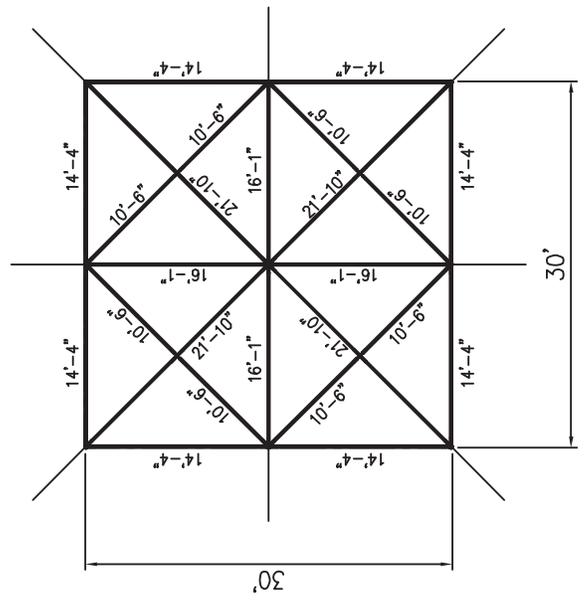
REV	DRAWING NUMBER	DATE	07/11/06	KT	CM	ENGINEER	CM	CHECKED	-	071106 1155	FRAME TENTS\DIAGRAMS\30x\30x30
0											

STANDARD	FRAME TENT / STANDARD	490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722	KT	DATE	07/11/06
REV	DRAWING NUMBER	SIZE	CODE	PART DESCRIPTION	FRAME
0				AZ-303030-FRAME	FRAME

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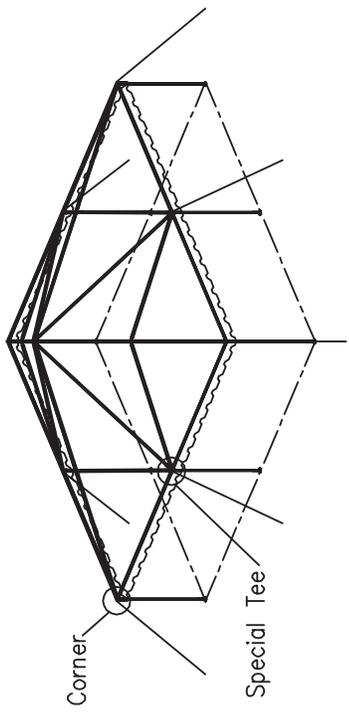


SIDE VIEW

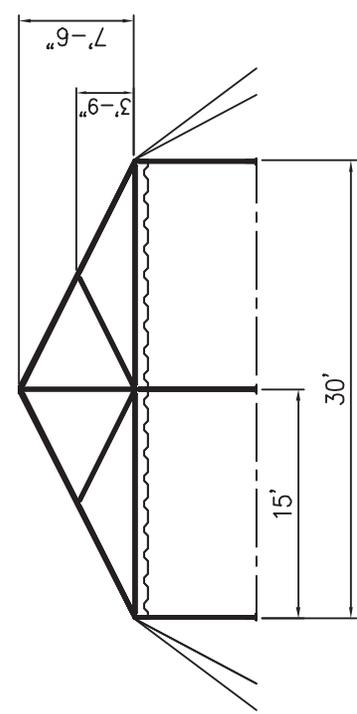


PLAN VIEW

30' x 30' FRAME TENT



ISOMETRIC VIEW

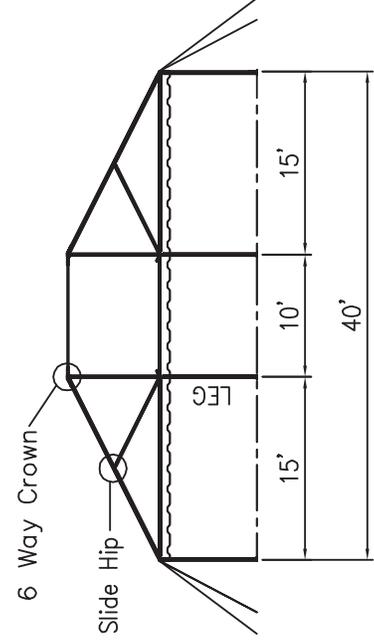


END VIEW

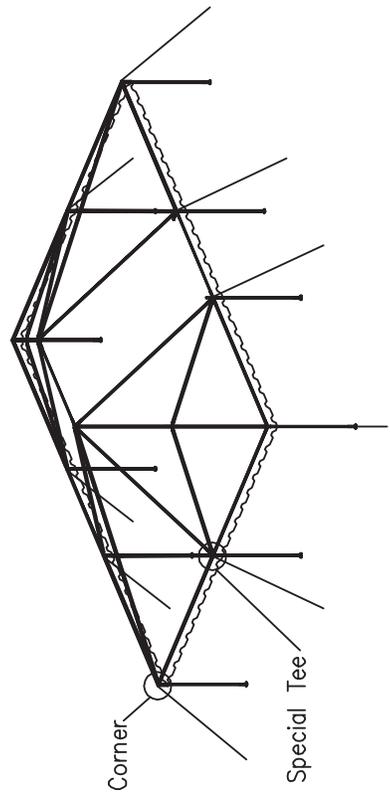
- PIPE: 2"
- (8) 6'-8" / 7'-8" / 9'-4" LEGS
 - (8) 14'-4" SPREADER
 - (8) 10'-6" RAFTER
 - (4) 16'-1" RAFTER
 - (4) 21'-10" HIP RAFTER
- FITTINGS:
- (4) CORNER
 - (1) 8 WAY CROWN
 - (4) SPECIAL TEES
 - (4) SLIDE HIP
 - (1) 30' FRAME CABLE
- EXPANDABLE:
- (2) 6 WAY CROWNS
- OPTIONS:
- (64) ASSEMBLY PINS
 - (8) STAKES
 - (8) ROPES
 - (8) BASEPLATES
- QWIK TOP OPTIONS:
- (8) RATCHET TENSIONERS
 - (8) QWIK BASEPLATES

REV	2	FRAME	AZ-3040-FRAME	DATE	07/12/06	ENGINEER	CM	CHECKED	-	PROJECT	021407 1750
DRAWING NUMBER			SIZE	CODE	PART DESCRIPTION	DRAWN	KT	490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722			
DRAWING NUMBER			SIZE	CODE	PART DESCRIPTION	DRAWN	KT	490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722			
DRAWING NUMBER			SIZE	CODE	PART DESCRIPTION	DRAWN	KT	490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722			

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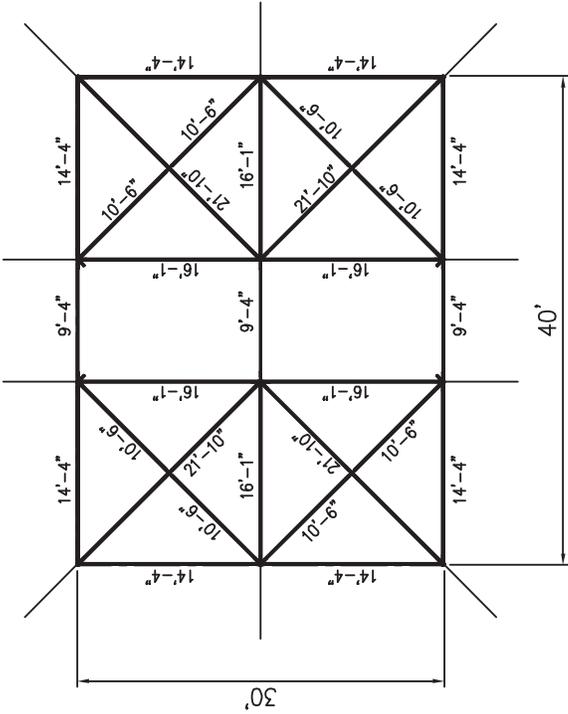
SIDE VIEW



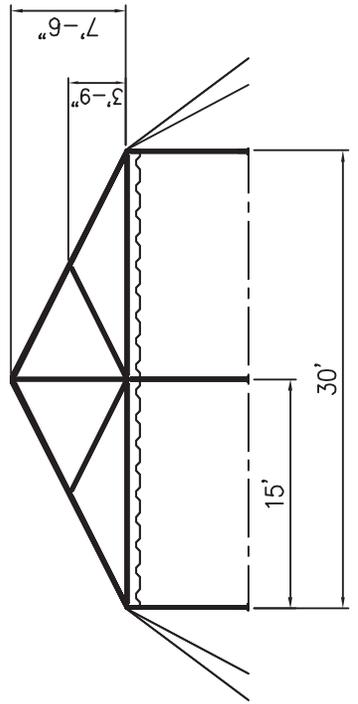
ISOMETRIC VIEW

30' x 40' FRAME TENT

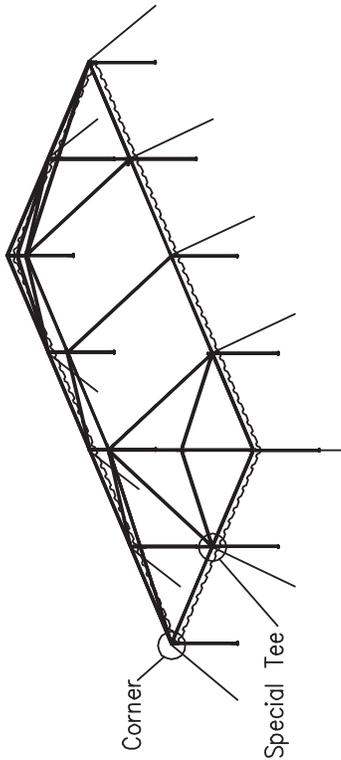
- PIPE: 2"
- (10) 6'-8" / 7'-8" / 9'-4" LEGS
 - (3) 9'-4" SPREADER
 - (8) 14'-4" SPREADER
 - (8) 10'-6" RAFTER
 - (6) 16'-1" RAFTER
 - (4) 21'-10" HIP RAFTER
- OPTIONS:
- (78) ASSEMBLY PINS
 - (10) STAKES
 - (10) ROPES
 - (10) BASEPLATES
- QWIK TOP OPTIONS:
- (10) RATCHET TENSIONERS
 - (10) QWIK BASEPLATES
- FITTINGS:
- (4) CORNER
 - (2) 6 WAY CROWN
 - (6) SPECIAL TEES
 - (4) SLIDE HIP
 - (2) 30' FRAME CABLE



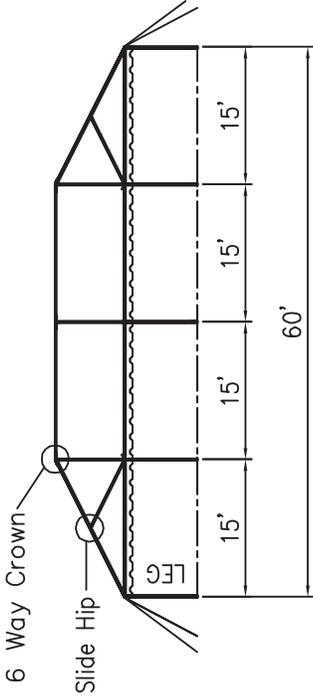
PLAN VIEW



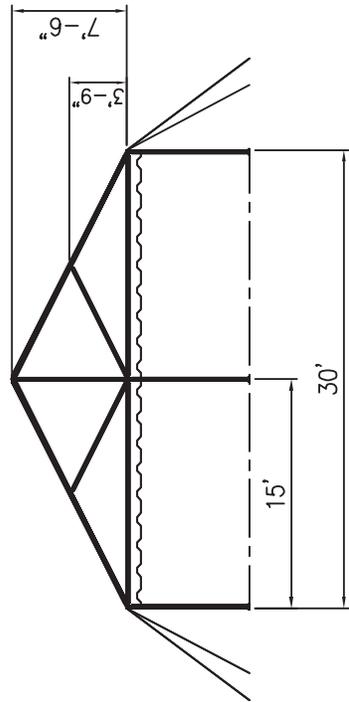
END VIEW



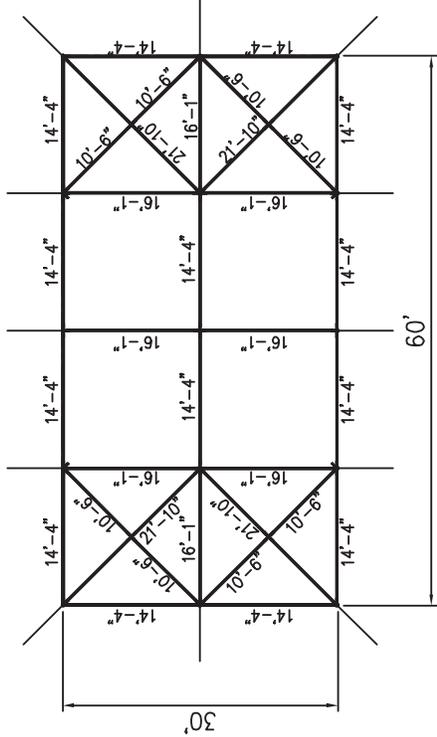
ISOMETRIC VIEW



SIDE VIEW



END VIEW



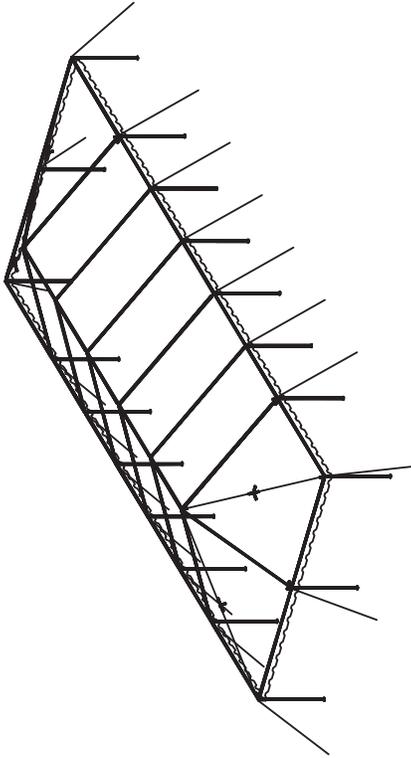
PLAN VIEW

30' x 60' FRAME TENT

- PIPE: 2"
- (12) 6'-8" / 7'-8" / 9'-4" LEGS
 - (14) 14'-4" SPREADER
 - (8) 10'-6" RAFTER
 - (8) 16'-1" RAFTER
 - (4) 21'-10" HIP RAFTER
- FITTINGS:
- (4) CORNER
 - (2) 6 WAY CROWN
 - (6) SPECIAL TEES
 - (4) SLIDE HIP
 - (2) 30' FRAME CABLE

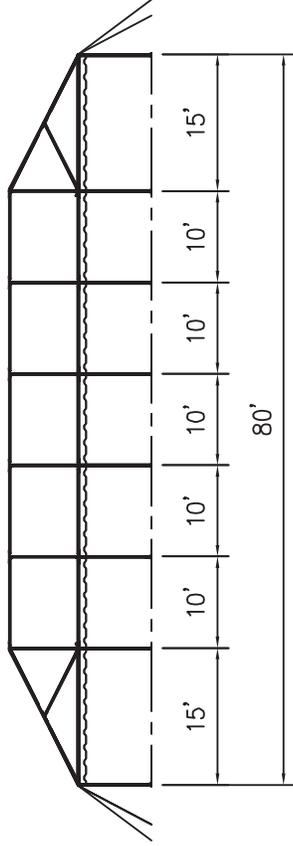
- OPTIONS:
- (82) ASSEMBLY PINS
 - (12) STAKES
 - (12) ROPES
 - (12) BASEPLATES
- QWIK TOP OPTIONS:
- (12) RATCHET TENSIONERS
 - (12) QWIK BASEPLATES

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STANDARD / STANDARD FRAME TENT X 60' L	PART DESCRIPTION FRAME	CODE AZ-3060-FRAME	SIZE 30' x 60'	DRAWING NUMBER 1



ISOMETRIC VIEW

- PIPE: HEAVY DUTY 2"
- (18) 6'-8"/7'-8"/9'-4" (LEG)
 - (15) 9'-4" WHITE (SPREADER)
 - (8) 14'-4" WHITE (SPREADER)
 - (8) 10'-6" GREEN (RAFTER)
 - (14) 16'-1" GREEN (RAFTER)
 - (4) 21'-10" RED (HIP RAFTER)



SIDE VIEW

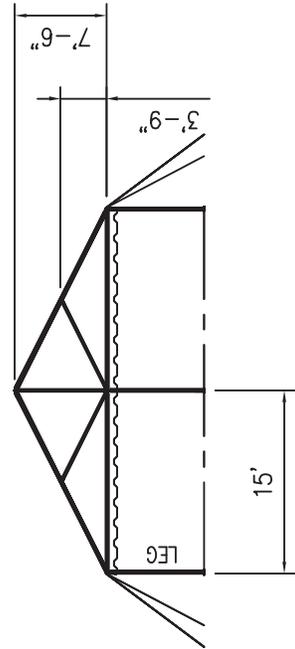
30'W x 80'L FRAME TENT

FITTINGS:

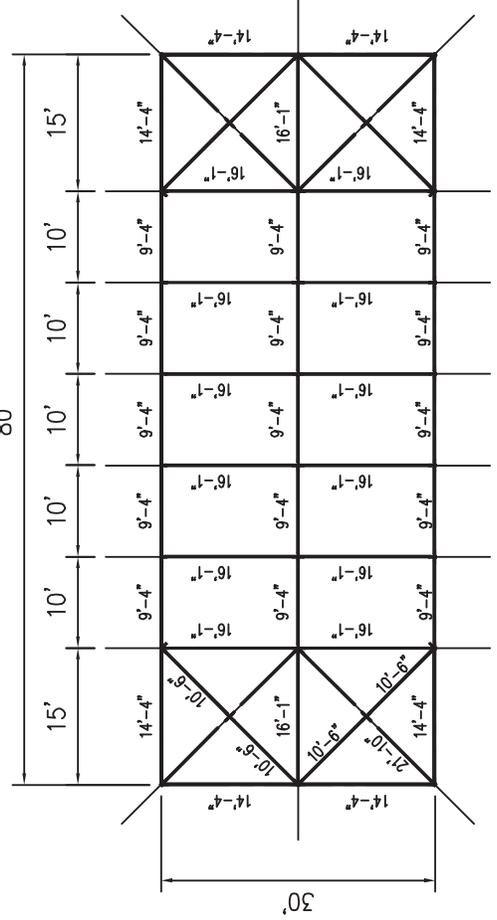
- (4) CORNERS
- (2) 6 WAY CROWN
- (8) TEE
- (4) TOP TEE
- (6) SPECIAL TEE
- (4) SLIDE HIP
- (6) 30' FRAME CABLES

OPTIONS:

- (18) BASEPLATES
 - (18) STAKES
 - (18) ROPES
 - (134) ASSEMBLY PINS
 - (1) 8 WAY CROWN (EXPANDABLE)
- QWIK TOP:
- (18) - RATCHET TENSIONERS
 - (18) - QWIK BASEPLATES



FRONT VIEW

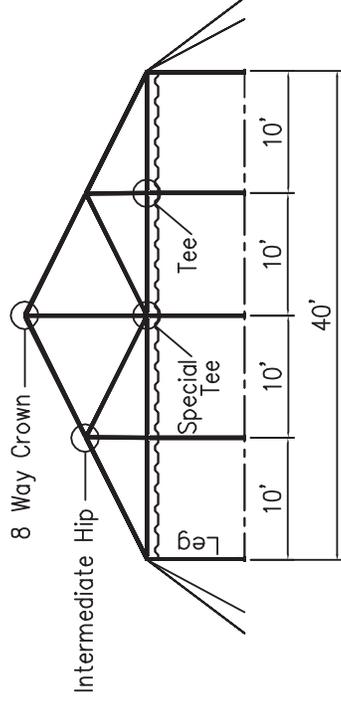


PLAN VIEW

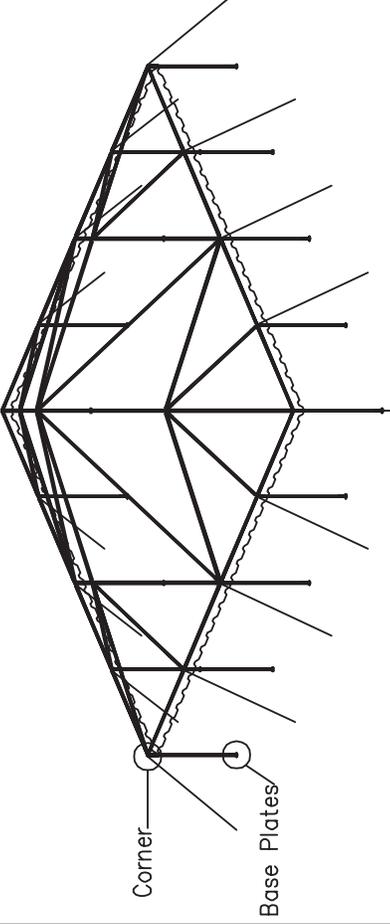
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STANDARD		FRAME TENT STRUCTURE / STANDARD		490 ALASKA AVE. TORRANCE, CA. 90503 (800) 228-3687 - FAX (310) 381-0722 AZTEC		FRAME TENTS\DIAGRAMS\30x\30x80 021607 1340			

REV	0	DATE	07/12/06	ENGINEER	CM	CHECKED	-	PROJECT	FRAME TENTS\DIAGRAMS\40x40x40
REV	0	DATE	07/12/06	ENGINEER	CM	CHECKED	-	PROJECT	FRAME TENTS\DIAGRAMS\40x40x40
DRAWING NUMBER		PART DESCRIPTION		DRAWN		KT		490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722	
DRAWING NUMBER		PART DESCRIPTION		DRAWN		KT		490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722	
DRAWING NUMBER		PART DESCRIPTION		DRAWN		KT		490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722	
DRAWING NUMBER		PART DESCRIPTION		DRAWN		KT		490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722	

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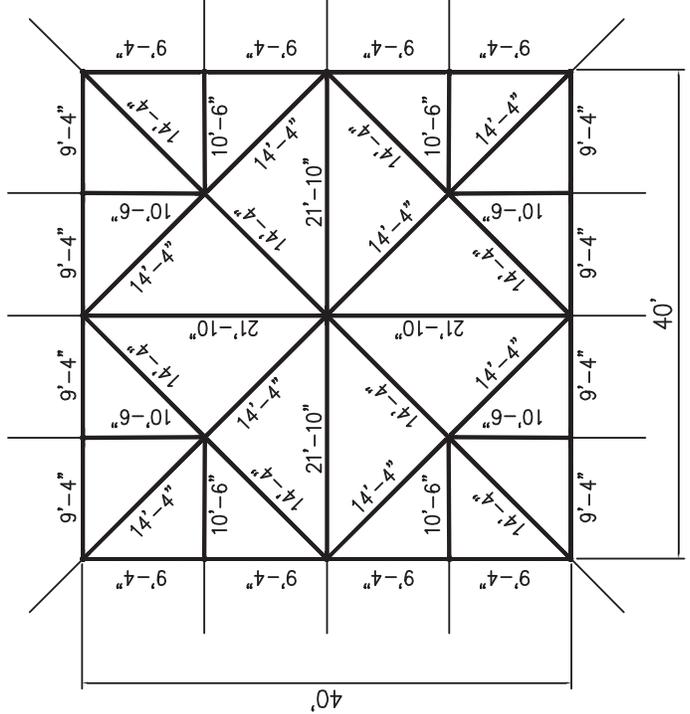
SIDE VIEW



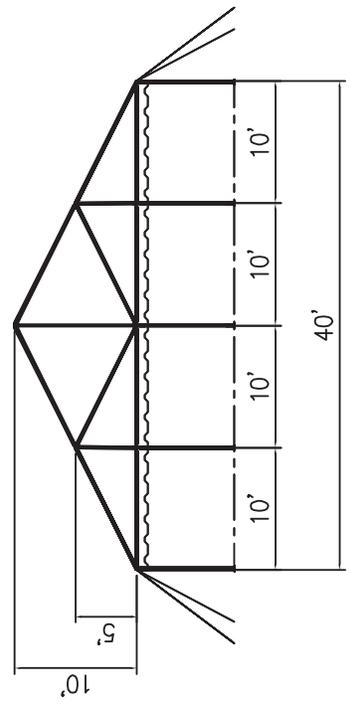
ISOMETRIC VIEW

40' x 40' FRAME TENT

- PIPE: 2" (16) 6'-8" / 7'-8" / 9'-4" LEGS (16) 9'-4" SPREADER (8) 10'-6" INTERMEDIATE HIP (16) 14'-4" INT HIP (4) 21'-10" RAFTER
- FITTINGS: (4) CORNER (1) 8 WAY CROWN (8) TEE (4) SPECIAL TEE (4) INTERMEDIATE HIP (1) 40' FRAME CABLE
- EXPANDABLE: (2) 6 WAY CROWNS
- OPTIONS: (120) ASSEMBLY PINS (16) STAKES (16) ROPES (16) BASEPLATES
- QWIK TOP: (16) RATCHET TENSIONERS (16) QWIK BASEPLATES

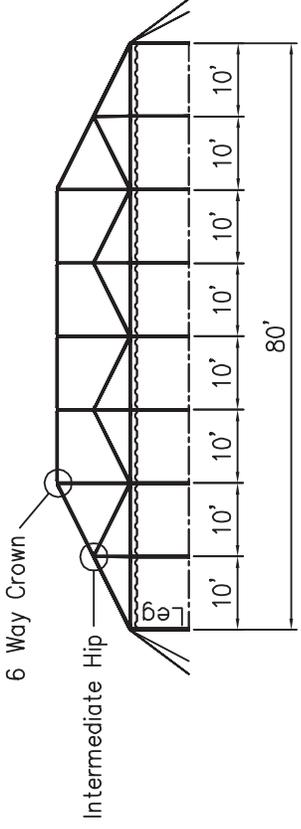


PLAN VIEW

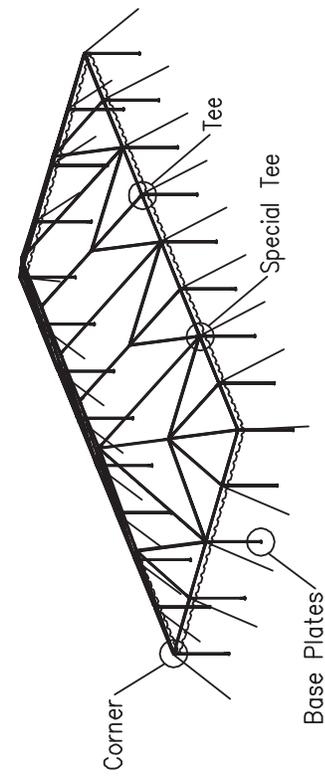


END VIEW

REV	0	FRAME	AZ-4080-FRAME	DATE	02/22/07	ENGINEER	CM	CHECKED	-	PROJECT	FRAME TENTS\DIAGRAMS\40x40x80
REV	0	FRAME	AZ-4080-FRAME	DATE	02/22/07	ENGINEER	CM	CHECKED	-	PROJECT	FRAME TENTS\DIAGRAMS\40x40x80
<p>ALL DATA AND INFORMATION CONTAINED IN OR DISCLOSED BY THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY INFORMATION OF AZTEC TENTS AND ALL RIGHTS THEREIN ARE EXPRESSLY RESERVED. BY ACCEPTING THIS MATERIAL CONTAINED HEREIN IS HELD IN COMPLIANCE AND IN TRUST AND WILL NOT BE COPIED, REPRODUCED WHOLE OR IN PART, FOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS. EXCEPT TO MEET THE SPECIFIC PURPOSE FOR WHICH IT WAS DELIVERED.</p>											
<p>490 ALASKA AVE. TORRANCE, CA 90503 (800) 228-3687 - FAX (310) 381-0722 DRAWN: KT</p>											
<p>STANDARD / STANDARD 40' W X 80' L</p>											



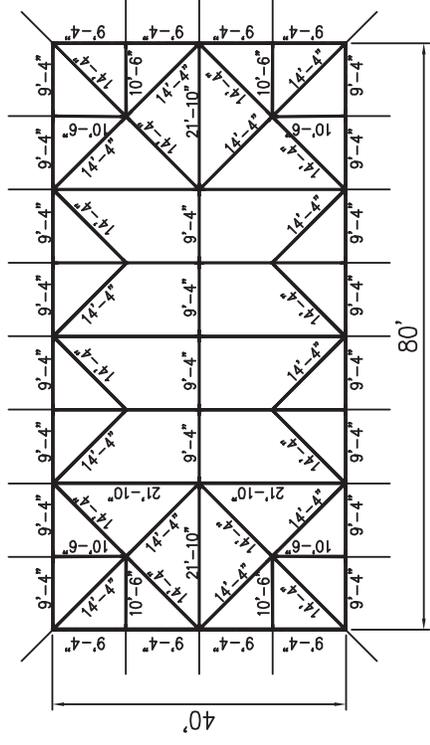
SIDE VIEW



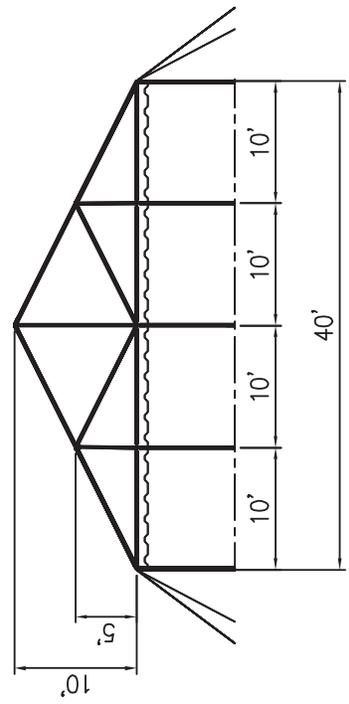
ISOMETRIC VIEW

40' x 80' FRAME TENT

- PIPE: 2"
(24) 6'-8"/7'-8"/9'-4" LEGS
(28) 9'-4" SPREADER
(8) 10'-6" INTERMEDIATE HIP
(24) 14'-4" INT HIP
(12) 21'-10" RAFTER
- FITTINGS:
(4) CORNER
(2) 6 WAY CROWN
(3) TOP TEE
(12) TEE
(8) SPECIAL TEE
(4) INTERMEDIATE HIP
(4) SLIDE INTERMEDIATE
(5) 40' FRAME CABLE
- OPTIONS:
(192) ASSEMBLY PINS
(24) STAKES
(24) ROPES
(24) BASEPLATES
- QWIK TOP:
(24) RATCHET TENSIONERS
(24) QWIK BASEPLATES



PLAN VIEW



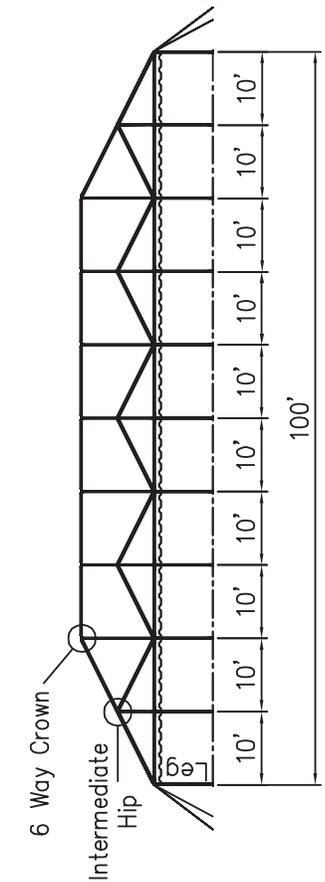
END VIEW

REV	0	DATE	02/22/07	ENGINEER	CM	CHECKED	-	PROJECT	FRAME TENTS\DIAGRAMS\40x100 022207 1500
DRWING NUMBER		SIZE		DRAWN	KT				
PART DESCRIPTION		FRAME TENTS / STANDARD							
FRAME		AZ40100-FRAME							

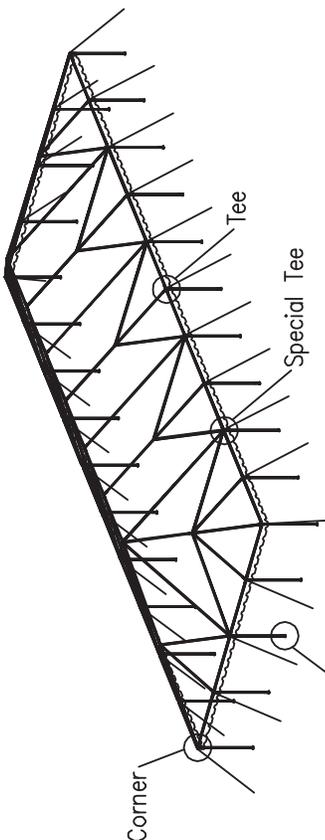
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(800) 228-3687 - FAX (310) 381-0722



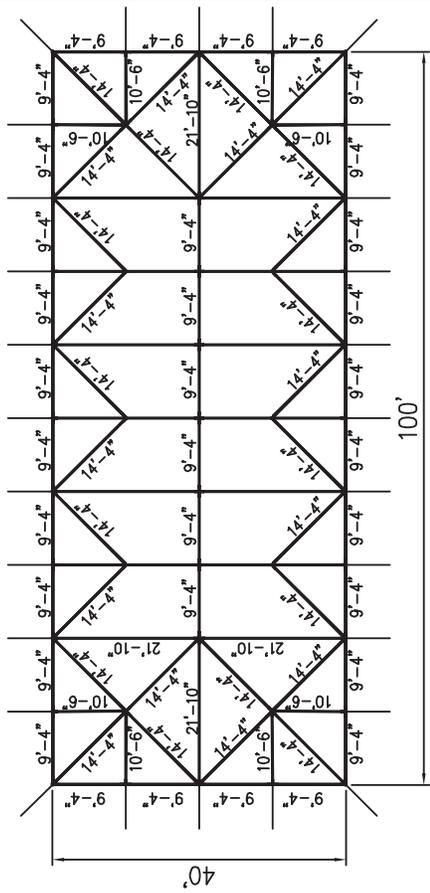
ISOMETRIC VIEW



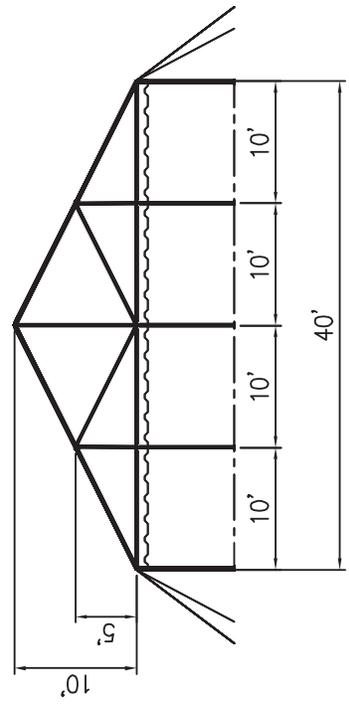
SIDE VIEW

40' x 100' FRAME TENT

- PIPE: 2"
 (28) 6'-8" / 7'-8" / 9'-4" LEGS
 (34) 9'-4" SPREADER
 (8) 10'-6" INTERMEDIATE HIP
 (28) 14'-4" INT HIP
 (16) 21'-10" RAFTER
- FITTINGS:
 (4) CORNER
 (2) 6 WAY CROWN
 (5) TOP TEE
 (14) TEE
 (10) SPECIAL TEE
 (4) INTERMEDIATE HIP
 (6) SLIDE INTERMEDIATE
 (7) 40' FRAME CABLE
- OPTIONS:
 (228) ASSEMBLY PINS
 (28) STAKES
 (28) ROPES
 (28) BASEPLATES
- QWIK TOP:
 (28) RATCHET TENSIONERS
 (28) QWIK BASEPLATES



PLAN VIEW



END VIEW

Standard Frame Parts Images



20x Std. Assembly Cable



30x Std. Assembly Cable



40x Std. Assembly Cable



Gable Corner Right



Gable Corner Left



Gable Crown 3pt



Gable Crown 4pt



2" Slide Fitting "Add Leg"



Qwik Corner



3 Way Crown



4 Way Crown



6 Way Crown



8 Way Crown



Hip Intermediate- 40x



Hip Slide Intermediate 30x



Rafter Slide Intermediate- 40x



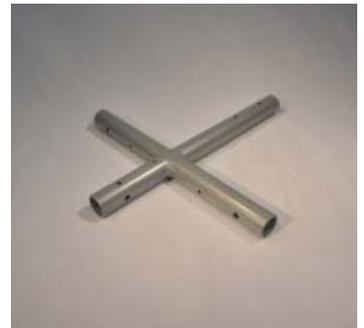
Slide Top Tee- 2"



Special Side Tee



Side Tee



Gable Tee Fitting

Standard Frame Parts Images



Top Tee



Acadapin/Assembly Pin



Jumbo Pin



2' Adjustable Qwik Baseplate



Standard Baseplate



Standard Baseplate 2' Adjustable



Qwik Footplate



1/2" Polopro x 18' Rope



2" Slide Bally Corner Fitting



2" Round Tubing Extrusion

Standard Frame Engineering Specifications

Design Criteria: 10' wide -20' wide Systems
 Code: ASCE 7-10, 2012 IFC, 2012 IBC
 Wind Speed: 105MPH 3-Second Gust Exposure C
 Mean Recurrence Interval (MRI): 7.5 Years

Design Criteria: 30' wide Systems
 Code: ASCE 7-10, 2012 IFC, 2012 IBC
 Wind Speed: 50MPH 3-Second Gust Exposure C
 Mean Recurrence Interval (MRI): 7.5 Years

Design Criteria: 40' wide Systems
 Code: ASCE 7-10, 2012 IFC, 2012 IBC
 Wind Speed: 40MPH 3-Second Gust Exposure C
 Mean Recurrence Interval (MRI): 7.5 Years

Notes:
 External Guys to be installed at 45 degree from horizontal
 Tent not to be located near abrupt changes in topography

Maximum 40lb hanging load from each crown. Soil conditions will vary from site to site. The included anchoring package for this tent may need to be supplemented with additional or alternate anchoring to meet the loads below. The below chart lists the required resistance loads that must be supported by the anchoring system to meet the engineering loads specified under the code.

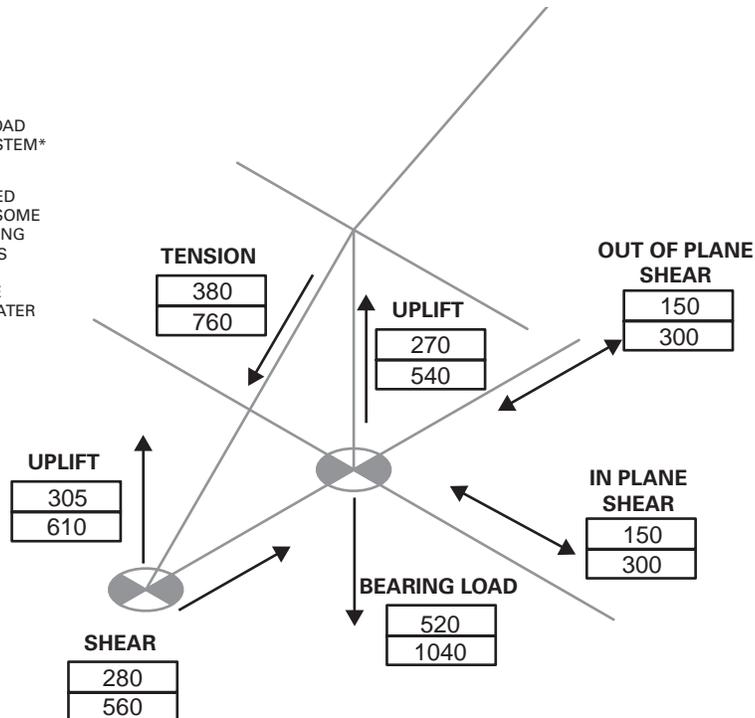
A Factor of Safety of 2.0 times the design load has been used for the pull out tension in lbs that the anchoring devices must resist in the direction of the load. Ensure that the anchors installed are adequate to resist pull out loads show on the diagram. Actual testing of some individual anchors to 75% of the anchor pull-out load is recommended.

Standard Frame Load Summary- 10', 15', and 20' Width

SAMPLE

	ACTUAL LOAD VALUE
	MINIMUM DESIGN LOAD FOR ANCHORING SYSTEM*

* MINIMUM DESIGN LOAD FOR ANCHORING SYSTEM IS CALCULATED USING A FACTOR OF SAFETY = 2.0. SOME FIXED MECHANICAL ANCHORS HAVING ULTIMATE LOADS IN EXCESS OF THIS SPECIFIED LOAD CAN BE USED, BUT THOSE ANCHORS MUST ALSO HAVE ALLOWABLE/WORKING LOADS GREATER THAN ACTUAL LOAD VALUE.

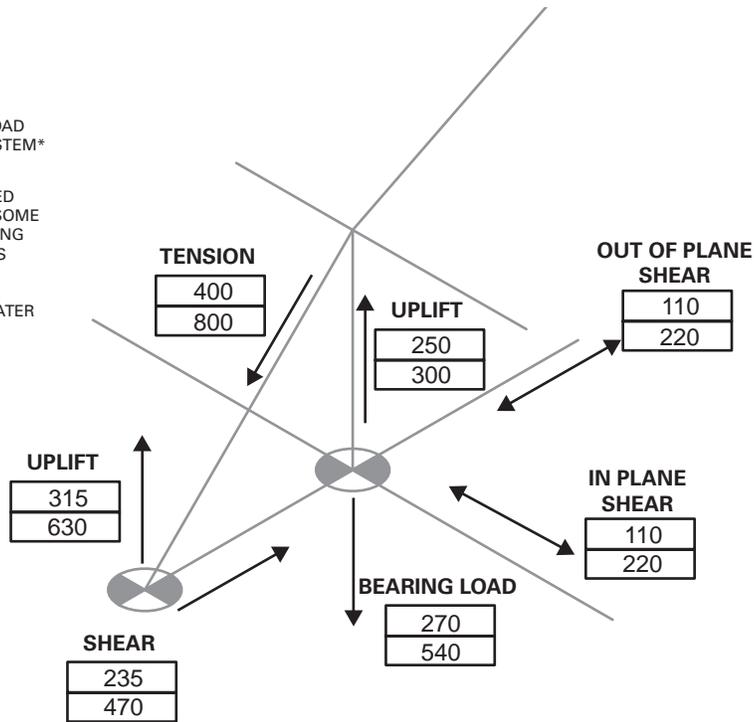


Standard Frame Load Summary- 30' Width

SAMPLE

	ACTUAL LOAD VALUE
	MINIMUM DESIGN LOAD FOR ANCHORING SYSTEM*

* MINIMUM DESIGN LOAD FOR ANCHORING SYSTEM IS CALCULATED USING A FACTOR OF SAFETY = 2.0. SOME FIXED MECHANICAL ANCHORS HAVING ULTIMATE LOADS IN EXCESS OF THIS SPECIFIED LOAD CAN BE USED, BUT THOSE ANCHORS MUST ALSO HAVE ALLOWABLE/WORKING LOADS GREATER THAN ACTUAL LOAD VALUE.

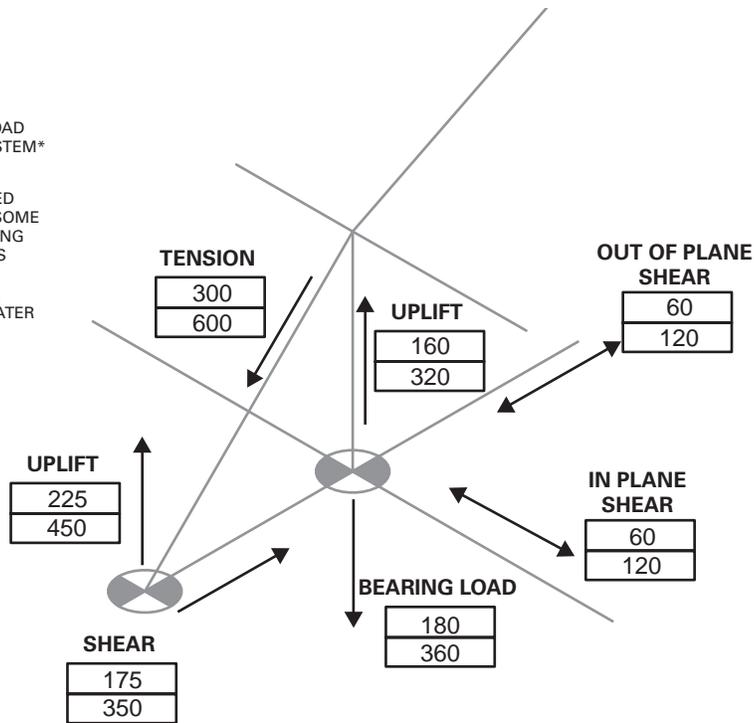


Standard Frame Load Summary- 40' Width

SAMPLE

	ACTUAL LOAD VALUE
	MINIMUM DESIGN LOAD FOR ANCHORING SYSTEM*

* MINIMUM DESIGN LOAD FOR ANCHORING SYSTEM IS CALCULATED USING A FACTOR OF SAFETY = 2.0. SOME FIXED MECHANICAL ANCHORS HAVING ULTIMATE LOADS IN EXCESS OF THIS SPECIFIED LOAD CAN BE USED, BUT THOSE ANCHORS MUST ALSO HAVE ALLOWABLE/WORKING LOADS GREATER THAN ACTUAL LOAD VALUE.



Standard Frame Components

Fittings/Components	Item Number
20x Std. Frame Assembly Cable	Z29900120
30x Std. Frame Assembly Cable	Z29900130
40x Std. Frame Assembly cable	Z29900140
Gable Corner Right	Z299F00010
Gable Corner Left	Z299F00015
Gable Crown 3PT	Z299F00020
Gable Crown 4 PT	Z299F00021
2" Slide Fitting "Add Leg"	Z299F00030
2" Slide Bally Corner Fitting	Z299F00031
Medinah Rafter Brace Fitting	Z299F00032
Qwik Corner	Z299F00040
3Way Crown	Z299F00050
4Way Crown	Z299F00060
6Way Crown	Z299F00070
8Way Crown	Z299F00080
Hip Intermediate -40X	Z299F00090
Hip Slide Intermediate- 30X	Z299F00100
Rafter Slide Intermediate 40X	Z299F00110
SlideTop Tee- 2" (Red)	Z299F00120
Special SideTee	Z299F00130
Side Tee	Z299F00140
Gable Tee Fitting	Z299F00145
Top Tee (Red)	Z299F00150
Acadapin/Assembly Pin	Z299F00160
Jumbo Pin	Z299F00170
2' Adjustable Qwik Baseplate	Z299F00180
Standard Baseplate	Z299F00190
Standard Baseplate 2' adjustab	Z299F00195
Qwik Footplate	Z299F00200
1/2" Polypro x 18' Rope-Tape E	Z299F00220

Aluminum Beams	Item Number
1' -10" x 2" Pipe	Z299P20110
2' -8" x 2" Pipe	Z299P20208
3' 4" - 2" Pipe	Z299P20304
3' 10" - 2" Pipe	Z299P20310
4' 4" - 2" Pipe	Z299P20404
4' 6" - 2" Pipe	Z299P20406
4' 11" - 2" Pipe	Z299P20411
5' 2" - 2" Pipe	Z299P20502
5' 4" - 2" Pipe	Z299P20504
6' 0.5" - 2" Pipe	Z299P2060.5
2" x 6' 0" Pipe	Z299P20600
6' 8" - 2" Pipe	Z299P20608
6' 10" - 2" Pipe	Z299P20610
7' 4" - 2" Pipe	Z299P20704
7' 8" - 2" Pipe	Z299P20708
8' 4" - 2" Pipe	Z299P20804
9' 4" - 2" Pipe	Z299P20904
9'-11.25" - 2" Pipe	Z299P20911.25
10' 6" - 2" Pipe	Z299P21006
11' 4" - 2" Pipe	Z299P21104
11' 10" - 2" Pipe	Z299P21110
12' 10" - 2" Pipe	Z299P21210
13' 3 1/2" - 2" Pipe	Z299P21303.5
14' 4" - 2" Pipe	Z299P21404
16' 1" - 2" Pipe	Z299P21601
18' 1" - 2" Pipe	Z299P21801
19' 4" - 2" Pipe	Z299P21904
21' 10" - 2" Pipe	Z299P22110

Tent Jacks	Item Number
Std. Rolling Canopy Jack 10'-10"	Z51400010
Ext. Rolling Canopy Jack 13'-8"	Z51400020
Canopy Jack Strap & Hook - Black	Z51400030
Replacement Winch Only	Z51400065

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