PRODUCT MANUAL

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

JUMBOTRAC® LITE

AZTEC TENTS

DESIGN & PRODUCTION

⚠ 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. Aztec Tents 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 Aztec Tent 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 that pea size
- Any fire or smoke within close proximity of the tent
- Any small of gas, exhaust, or other odor from any combustible material

In the event of forecasted sever 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 ultraviolet 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

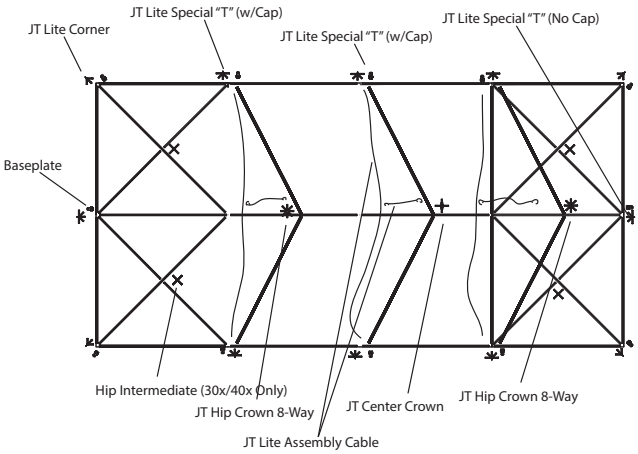
Tools Required for Installation

Sledge Hammer	For driving anchoring stakes
Canopy Jacks	For lifting Frame
Drop Cloths	For protecting fabric membrane
Pull Ropes	For pulling fabric membrane over roof
Tent Jacks	To aid in lifting the frame
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 boundries

Optional Items & Accessories Available

Tent Jacks	For lifting Frame
Drop Cloths	For protecting fabric membrane
Pull Ropes	For pulling fabric membrane over roof
JT Keder Feeder Set	Assists in feeding membrane panels into the keder track beams
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
Double Valance	Makes installation of traditional sidewall and gutters easier
Canopy Doors	To add easily accessible means of egress to and from the tent
JT Lite Wall Tension Bars	To secure the bottoms of the walls from moving in breezy conditions
JT Lite Univ. Bracket	Used to connect fire extinguishers to the leg beams
Additional Anchors	Additional anchors used to secure the tent system

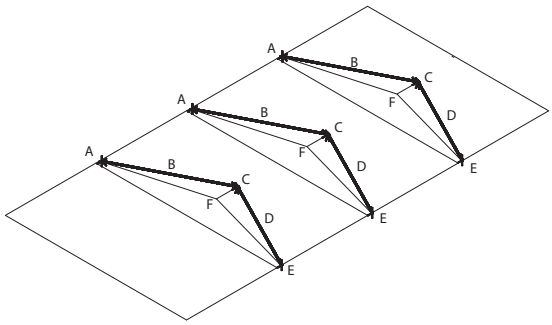
Installation Procedure: Hip End Design



Step 1:
Lay out the parts of the tent in place so they are easy to access. See the specific diagram for your size of tent in the pages following the instructions.

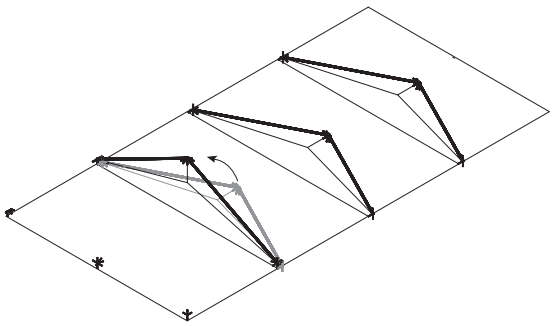
**The Jumbotrac® Lite design features a push button connection for all JT2 members and uses pins for all 2" Round aluminum frame members. Fittings are standard designs for multiple frame systems, so there may be push pins installed that are not needed in all situations and these can be removed. Installers should wear gloves during installation to avoid pinching during the fitting to pipe connection.

Step 2:
Assemble the main arches laying on the ground surface. Start from the JT Side Tee w/ Cap (10x, 15x, 20x) or with the JT Special Tee w/ Cap (30x, 40x) "A" and connect to the JT2 aluminum rafter extrusion "B". Move along the arch and connect the crown fitting (either the JT Hip Crown 8-way or the JT Center Crown depending on location in the tent, see diagram for your specific size) "C" to the other end of the JT2 aluminum rafter. Connect the opposing JT2 aluminum rafter "D" to the opposite side of the crown. Connect the JT Side Tee w/ Cap (10x, 15x, 20x) or with the JT Special Tee w/ Cap (30x, 40x) "E" to the final end of the beam arch.

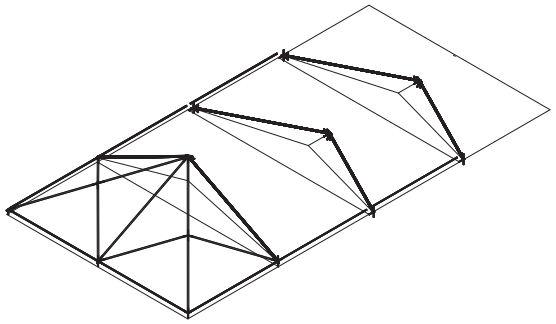


Finally, connect the JT Lite Assembly Cable "F" to span from side tee fitting to side tee fitting across the tent. The cable design features one long cable and one short cable. The short cable first connects to the rod under the crown fitting and the long cable is lifted toward the crown and needs to be placed in the lower hook of the short cable.

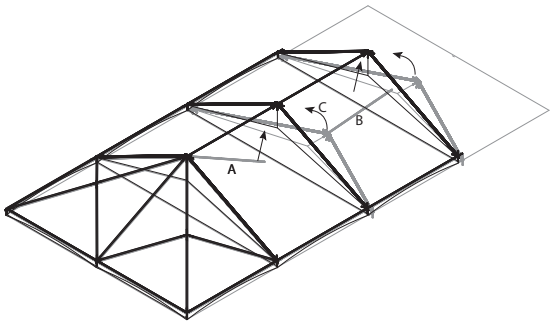
Step 3:
Once all arches are assembled tilt one of the end arches upright.



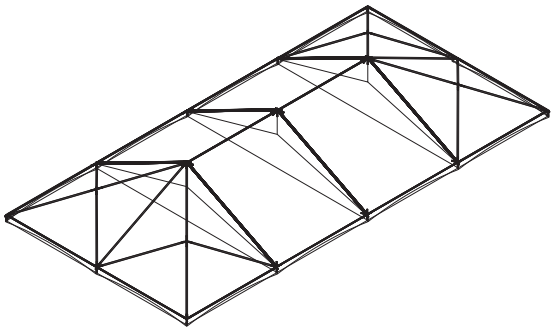
Step 4:
From the crown down, begin attaching the end framing working from the crown down to the perimeter. Use the “Jumbo Pins” to hold the pipe in place. Once all the rafter pipes are in place and pinned you can begin connecting the perimeter pipes to the fittings. Install and pin all of the perimeter pipes and connect the corner fittings last.



Step 5:
Build mid section framing. Install the ridge pipe onto the end crown fitting and gently allow pipe to pivot on the fitting until it rests on the ground (A). Install the next ridge pipe onto the beam assembly still laying on the ground (B). Use this pipe to help push up the beam assembly (C). When vertical connect the ridge pipe and perimeter pipes. Continue in same manner with all remaining beam assemblies.

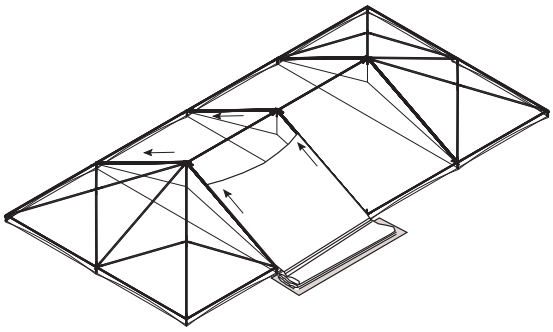


Step 6:
Build Opposite end frame working from the crown down to the perimeter. Install and pin the corner fittings last.

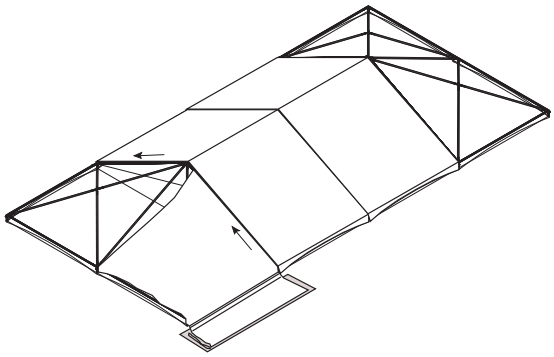


Step 7:
Install Middle Fabric Panels. Lay out ground cloths under the area to open the tent fabric. Throw two ropes (not included) over the mid frame and tie to the pull strap on the end of the panel. With the glossy side of the fabric facing upward start feeding the ends of the panel into the JT2 aluminum rafter tracks. Once the panel is started the pull ropes can be pulled evenly to pull the fabric up and over the frame. This will require a four (4) person team. One (1) pulling each of the pull ropes and (1) guiding the fabric into the channel on the opposite side. Continue with all the middle panels.

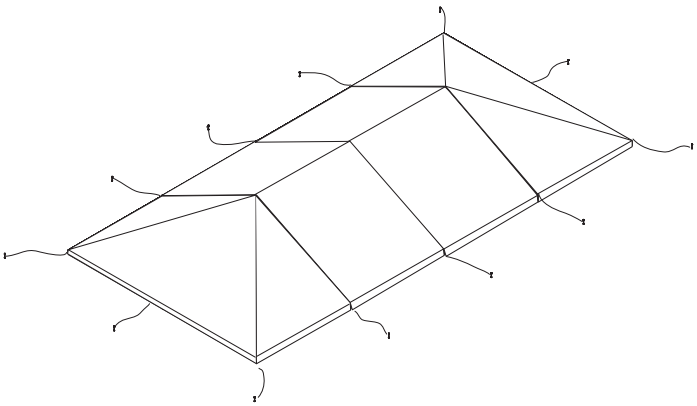
Optional JT Keder Feeder (2pc Set) can be used to help reduce the amount of installers needed in this step. Once the panel is started the feeder will help align the panel as it passes into the aluminum rafter channel.



Step 8:
Install End Panels. Lay out ground cloths under the area to open the tent fabric. Throw one rope over the end frame and tie to the pull strap on the end of the panel. With the glossy side of the fabric facing upward start feeding the kedered end of the panel into the JT2 aluminum rafter track. Pull the panel up and over the beam assembly. As the panel is pulled the perimeter fabric will need to be pulled separately over the rafter framing to avoid it getting caught. Using the "Festival Tool" secure the corner webbing loop over the nipple on the edge of the corner fitting.



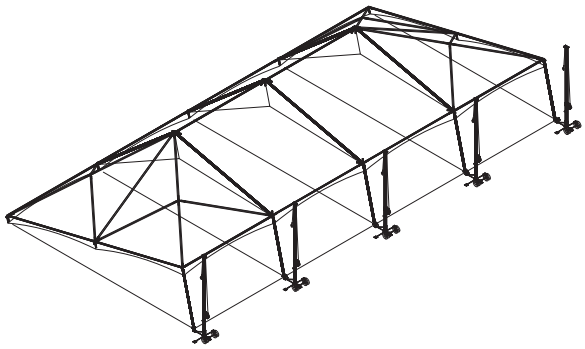
Step 9:
Using the included in-line ratchet assembly, snap the hook of the web guy to the ring on the exterior of the perimeter fitting. Drive your anchor stakes straight through the ring on the inline ratchet assembly and into the ground at a distance equal to the leg height of the tent. Drive the 42" stake so all but 2" is embedded. Pass the webbing through the ratchet and set the ratchet. Final tension to the ratchets will be applied once the frame has been lifted.



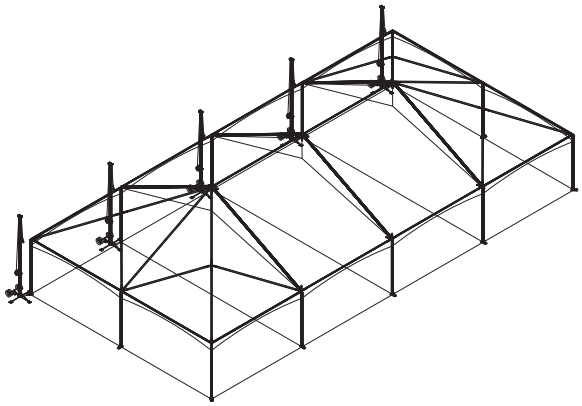
NOTICE

The anchoring devices included with the purchase of this tent will not be suitable for every application or ground condition. It is the installers responsibility to confirm that the anchoring devices used will support the recommended resistance load requirements specified in the appendix of this manual. Additional or different types of anchors may be needed depending on ground conditions.

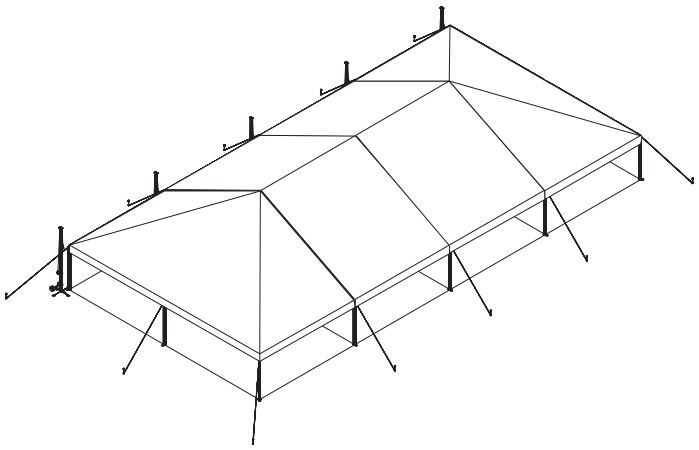
Step 10:
Using a tent jack at each leg raise one side of the tent to a height where you can install the legs. At this time be sure that the base plate is connected to the bottom of the leg. Lower the frame so the frame is resting on the legs on one side and the perimeter fittings on the other.



Step 11:
Move the jacks to the other side of the tent. Using a tent jack at each leg raise the other side of the tent to a height where you can install the legs. Lower the frame so the frame is resting on the legs on one side. At this time be sure that the base plate is connected to the bottom of the leg.



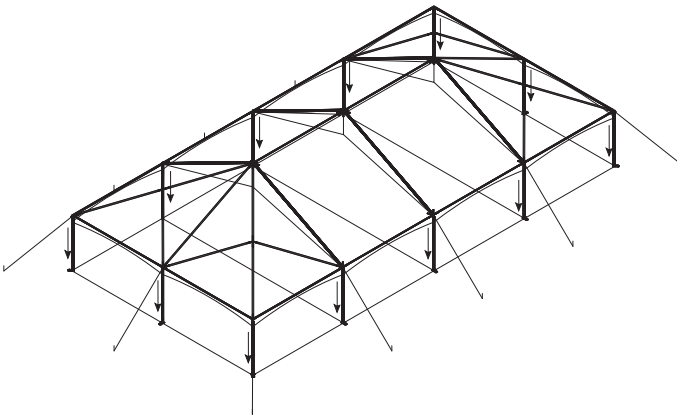
Step 12:
Using the included in-line ratchet assembly, snap the hook of the assembly to the shackle on the exterior of the perimeter fitting. Drive your anchor stakes straight through the ring on the in-line ratchet assembly and into the ground at a distance equal to the leg height of the tent. Drive the 42" stake so all that 3" is embedded. Pass the webbing through the ratchet and apply tension to the ratchet strap.



Step 13:
Tension the tent top. At each leg you will need to apply tension down to the base plate to ensure the proper fit and performance.
Each tent top section ends with a 2" D-Ring and a 1/4" braided rope extends out from the valance hem. The round ring on the end of this rope MUST be passed through the D-Ring on the adjoining fabric section and then down toward the base plate. Use the included 1" tensioning ratchets to "hook" both of the round rings of the adjoining sections and tension toward the base plate.

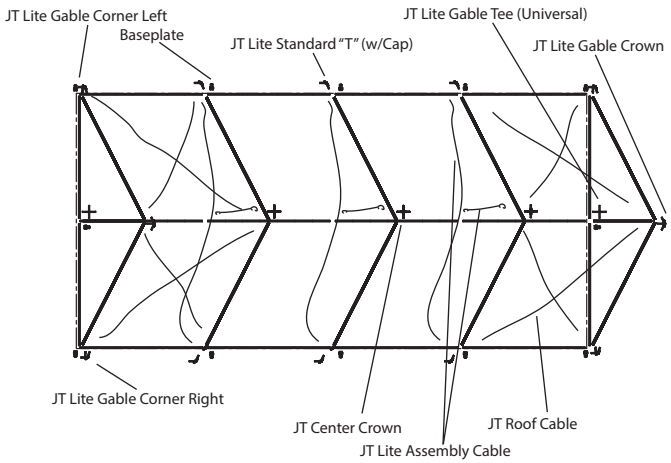
At this time you can also adjust final tension on the guy out ratchets (if needed).

Notice: Since the Jumbotrac and the Jumbotrac Lite utilize many of the same fabric components, the "Midspan Tensioner" straps used on the Jumbotrac system are not used in the Jumbotrac Lite System.



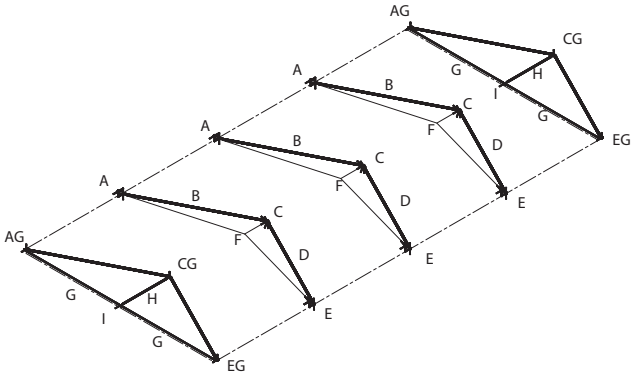
Installation Procedure: Gable End Design

Step 1:
Lay out the parts of the tent in place so they are easy to access. See the specific diagram for your size of tent in the pages following the instructions.

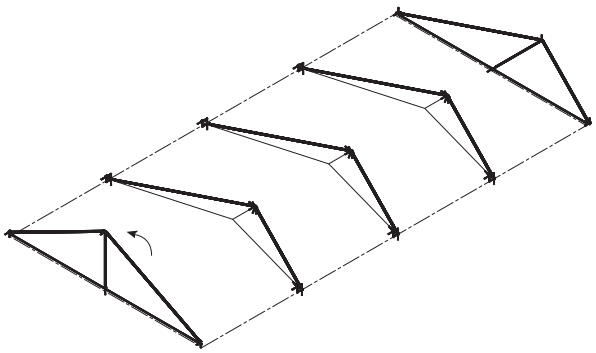


Step 2:
Assemble the main arches laying on the ground surface. Start from the side fittings (either the JT Lite Gable Corner (AG) or JT Lite Tee w/ Cap (A)) and connect to the JT2 aluminum rafter extrusion (B). Move along the arch and connect the crown fitting (either the JT Gable Crown (CG) or the JT Center Crown (C) depending on location in the tent, see diagram for your specific size) to the other end of the JT2 aluminum rafter. Connect the opposing JT2 aluminum rafter (D) to the opposite side of the crown. Connect the opposing side fitting (E) or (EG) to the final end of the beam arch.

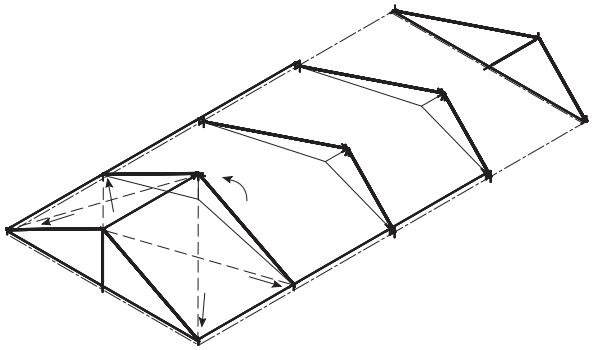
Finally, connect the JT Lite Assembly Cable (F) to span from side tee fitting to side tee fitting across the tent. The cable design features one long cable and one short cable. The short cable first connects to the rod under the crown fitting and the long cable is lifted toward the crown and needs to be placed in the lower hook of the short cable. For the gable end arches assemble the eave pipe (G), gable riser pipe (H), and JT Lite Gable Tee (Universal) (I) and pin all into place.



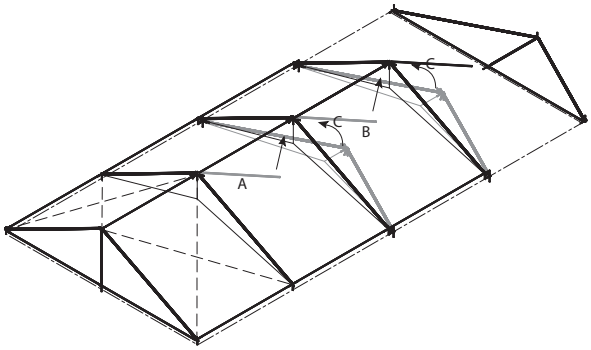
Step 3:
Once all arches are assembled tilt one of the end arches upright.



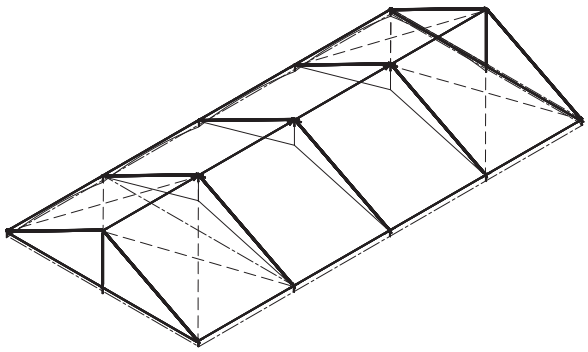
Step 4:
Rotate up the second beam arch and connect the ridge pipe and the eave pipes to join the first arch and the second arch. Once pinned attach the roof cables for this bay. do not fully tighten at this time.



Step 5:
Build mid section framing. Install the ridge pipe onto the center crown fitting and gently allow pipe to pivot on the fitting until it rests on the ground (A). Install the next ridge pipe onto the beam assembly still laying on the ground (B). Use this pipe to help push up the beam assembly (C). When vertical connect the ridge pipe and perimeter pipes. Continue in same manner with all remaining beam assemblies.

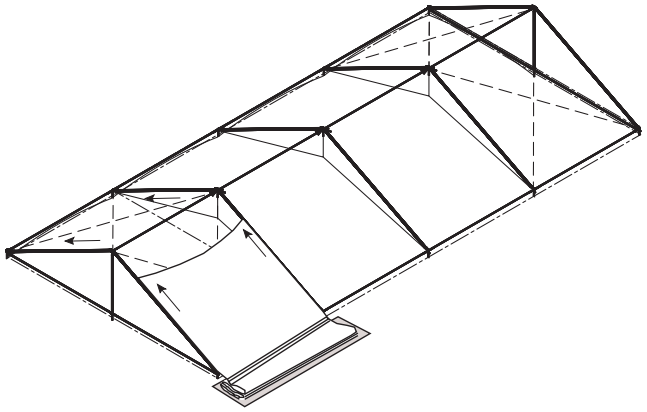


Step 6:
Rotate the final beam into position. Connect ridge pipe to gable end crown and connect eave pipe to the gable corner fittings. Pull the opposing roof cables down toward the eave fittings and attach the turnbuckle end to the eave fitting. Do not tighten these at this time.

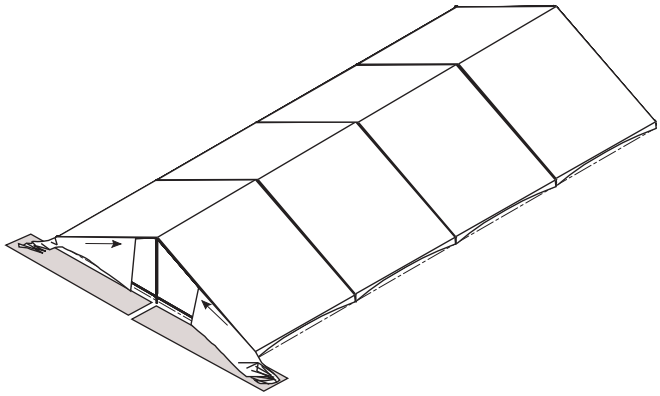


Step 7:
Install Middle Fabric Panels. Lay out ground cloths under the area to open the tent fabric. Throw two ropes (not included) over the mid frame and tie to the pull strap on the end of the panel. With the glossy side of the fabric facing upward start feeding the ends of the panel into the JT2 aluminum rafter tracks. Once the panel is started the pull ropes can be pulled evenly to pull the fabric up and over the frame. This will require a four (4) person team. One (1) pulling each of the pull ropes and (1) guiding the fabric into the channel on the opposite side. Continue with all the middle panels.

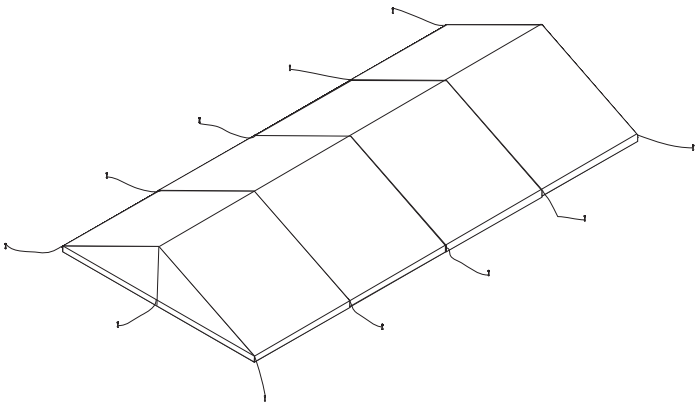
Optional JT Keder Feeder (2pc Set) can be used to help reduce the amount of installers needed in this step. Once the panel is started the feeder will help align the panel as it passes into the aluminum rafter channel.



Step 8:
Install End Panels. Lay out ground cloths under the area to open the tent fabric. Throw one rope over the end frame and tie to the pull strap on the end of the panel. With the glossy side of the fabric facing upward start feeding the kedered end of the panel into the JT2 aluminum rafter track. Pull the panel up and over the beam assembly. As the panel is pulled the perimeter fabric will need to be pulled separately over the rafter framing to avoid it getting caught. Using the "Festival Tool" secure the corner webbing loop over the nipple on the edge of the corner fitting.



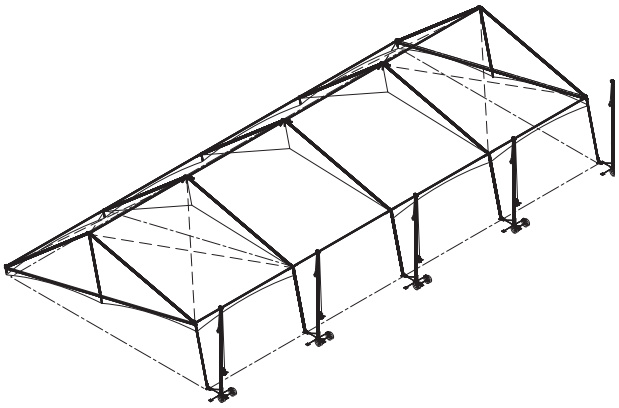
Step 9:
Using the included in-line ratchet assembly, snap the hook of the web guy to the ring on the exterior of the perimeter fitting. Drive your anchor stakes straight through the ring on the inline ratchet assembly and into the ground at a distance equal to the leg height of the tent. Drive the 42" stake so all but 2" is embedded. Pass the webbing through the ratchet and set the ratchet. Final tension to the ratchets will be applied once the frame has been lifted.



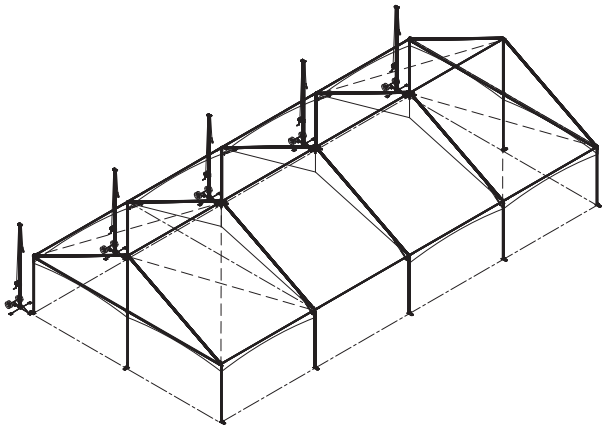
NOTICE

The anchoring devices included with the purchase of this tent will not be suitable for every application or ground condition. It is the installers responsibility to confirm that the anchoring devices used will support the recommended resistance load requirements specified in the appendix of this manual. Additional or different types of anchors may be needed depending on ground conditions.

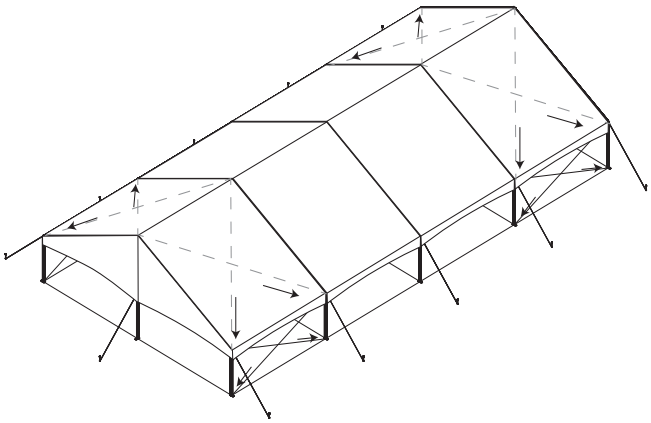
Step 10:
Using a tent jack at each leg raise one side of the tent to a height where you can install the legs. At this time be sure that the base plate is connected to the bottom of the leg. Lower the frame so the frame is resting on the legs on one side and the perimeter fittings on the other.



Step 11:
Move the jacks to the other side of the tent. Using a tent jack at each leg raise the other side of the tent to a height where you can install the legs. Lower the frame so the frame is resting on the legs on one side. At this time be sure that the base plate is connected to the bottom of the leg.

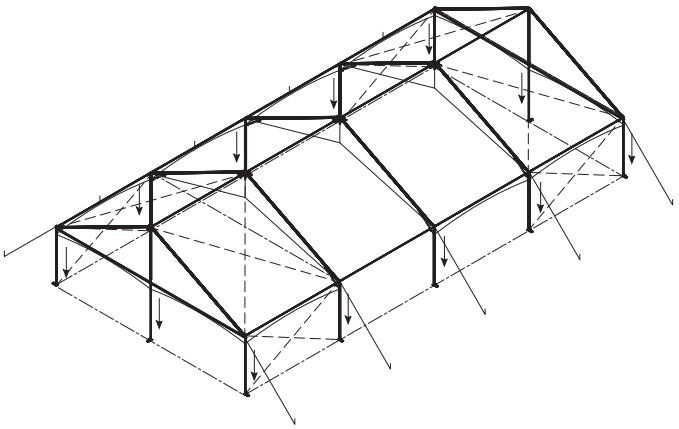


Step 12:
Tighten the turnbuckles on the roof and wall cables. As you tighten, spot the plumb of the beam arch. Each cable set should be tensioned evenly and equally. Notice: Just because the cables are tight does not mean that they are tightened equally and plumb. Each cable pair should have equal amount of takeup on the turbuckle.

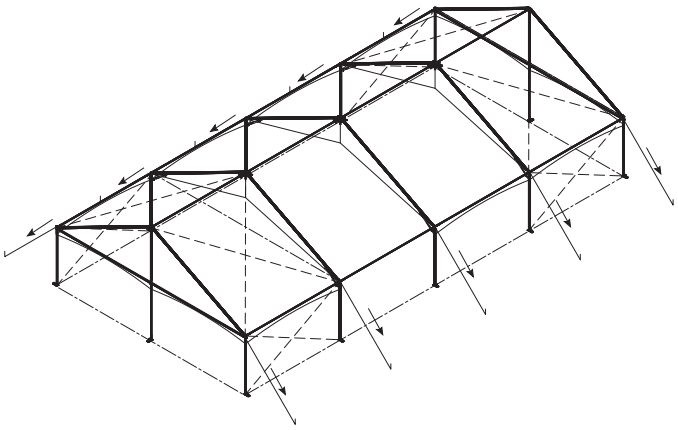


Step 13:
Tension the tent top. At each leg you will need to apply tension down to the base plate to ensure the proper fit and performance.
Each tent top section ends with a 2" D-Ring and a 1/4" braided rope extends out from the valance hem. The round ring on the end of this rope MUST be passed through the D-Ring on the adjoining fabric section and then down toward the base plate. Use the included 1" tensioning ratchets to "hook" both of the round rings of the adjoining sections and tension toward the base plate.

Notice: Since the Jumbotrac and the Jumbotrac Lite utilize many of the same fabric components, the "Midspan Tensioner" straps used on the Jumbotrac system are not used in the Jumbotrac Lite System.



Step 14:
Apply final tension to the tie down ratchets, keeping tent legs vertical.



Jumbotrac® Lite 10x Kit Options

10’x20’x8’ Hip Ends

1	10x20 2pc JT Lite Top UW SN4P Blockout White- w/ 6 Ratchet Tensioners	Z22110CF2002
1	Festival Fabric Tool	Z29700250
6	1” Inline Ratchet w/10’ Web Gu	Z39900280
6	1” x 42” Double Headed Stake	Z51100070
24	Jumbo Pin	Z299F00170
6	9’ 4” - 2” Pipe	Z299P20904
4	6’ 10” - 2” Pipe	Z299P20610
2	4’ 4” - 2” Pipe	Z299P20404
6	JT Lite Wall Rail Slider, 10’	Z293F0018010
6	JT Lite JT2 7’ 8”	Z293JT20708
2	JT Lite JT2 4’11”	Z293JT20411
1	JT Lite Assembly Cable 10x	Z293F0017010
2	3 Way Crown	Z299F00050
6	JT Lite Base Plate	Z293F00090
2	JT Lite Standard “T” (w/Cap)	Z293F00040
4	JT Lite Corner	Z293F00010
1	JT Center Crown	Z298F00020

10’x15’x8’ Gable End

2	10x JT Lite Gab End UW 1-End (1pc Gable) SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22110GABLEZ02
1	10x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22110CM1502
2	9’ 4” - 2” Pipe	Z299P20904
3	14’ 4” - 2” Pipe	Z299P21404
10	Jumbo Pin	Z299F00170
4	1” x 42” Double Headed Stake	Z51100070
4	1” Inline Ratchet w/10’ Web Gu	Z39900280
2	JT Lite Wall Rail Slider, 10’	Z293F0018010
2	JT Lite Wall Rail Slider,15’	Z293F0018015
2	JT Lite Gable Crown	Z293F00035
4	JT Lite Base Plate	Z293F00090
2	JT Lite Gable Corner Right	Z293F00030
4	JT Lite JT2 4’11”	Z293JT20411
4	JT Lite JT2 7’ 8”	Z293JT20708
2	JT Lite Gable Corner Left	Z293F00020

10’x15’x8’ Extension Mid

1	10x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22110CM1502
2	1” Inline Ratchet w/10’ Web Gu	Z39900280
2	1” x 42” Double Headed Stake	Z51100070
6	Jumbo Pin	Z299F00170
3	14’ 4” - 2” Pipe	Z299P21404
2	JT Lite Wall Rail Slider,15’	Z293F0018015
2	JT Lite JT2 7’ 8”	Z293JT20708
2	JT Lite JT2 4’11”	Z293JT20411
1	JT Lite Assembly Cable 10x	Z293F0017010
2	JT Lite Base Plate	Z293F00090
2	JT Lite Standard “T” (w/Cap)	Z293F00040
1	JT Center Crown	Z298F00020

10’x10’x8’ Extension Mid

1	10x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22110CM1002
2	1” Inline Ratchet w/10’ Web Gu	Z39900280
2	1” x 42” Double Headed Stake	Z51100070
6	Jumbo Pin	Z299F00170
2	JT Lite Wall Rail Slider, 10’	Z293F0018010
3	9’ 4” - 2” Pipe	Z299P20904
2	JT Lite JT2 7’ 8”	Z293JT20708
2	JT Lite JT2 4’11”	Z293JT20411
1	JT Lite Assembly Cable 10x	Z293F0017010
2	JT Lite Base Plate	Z293F00090
2	JT Lite Standard “T” (w/Cap)	Z293F00040
1	JT Center Crown	Z298F00020

Jumbotrac® Lite 15x Kit Options

15'x20'x8' Hip Ends

1	15x20 2pc JT Lite Top UW SN4P Blockout White- w/ 6 Ratchet Tensioners	Z22115CF2002
6	JT Lite Base Plate	Z293F00090
1	Festival Fabric Tool	Z29700250
6	1" Inline Ratchet w/10' Web Gu	Z39900280
6	1" x 42" Double Headed Stake	Z51100070
24	Jumbo Pin	Z299F00170
2	14' 4" - 2" Pipe	Z299P21404
4	10' 6" - 2" Pipe	Z299P21006
4	9' 4" - 2" Pipe	Z299P20904
2	JT Lite Wall Rail Slider,15'	Z293F0018015
4	JT Lite Wall Rail Slider, 10'	Z293F0018010
2	1' -10" x 2" Pipe	Z299P20110
8	JT Lite JT2 7' 8"	Z293JT20708
1	JT Lite Assembly Cable 15x	Z293F0017015
2	3 Way Crown	Z299F00050
2	JT Lite Standard "T" (w/Cap)	Z293F00040
4	JT Lite Corner	Z293F00010
1	JT Center Crown	Z298F00020

15'x15'x8' Gable End

2	15x JT Lite Gab End UW 1-End (1pc Gable) SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22115GABLEZ02
1	15x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22115CM1502
4	1" Inline Ratchet w/10' Web Gu	Z39900280
4	1" x 42" Double Headed Stake	Z51100070
10	Jumbo Pin	Z299F00170
5	14' 4" - 2" Pipe	Z299P21404
4	JT Lite Wall Rail Slider,15'	Z293F0018015
8	JT Lite JT2 7' 8"	Z293JT20708
4	JT Lite Base Plate	Z293F00090
2	JT Lite Gable Corner Right	Z293F00030
2	JT Lite Gable Corner Left	Z293F00020
2	JT Lite Gable Crown	Z293F00035

15'x15'x8' Extension Mid

1	15x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22115CM1502
2	1" Inline Ratchet w/10' Web Gu	Z39900280
6	Jumbo Pin	Z299F00170
2	1" x 42" Double Headed Stake	Z51100070
3	14' 4" - 2" Pipe	Z299P21404
4	JT Lite JT2 7' 8"	Z293JT20708
1	JT Lite Assembly Cable 15x	Z293F0017015
2	JT Lite Wall Rail Slider,15'	Z293F0018015
2	JT Lite Base Plate	Z293F00090
2	JT Lite Standard "T" (w/Cap)	Z293F00040
1	JT Center Crown	Z298F00020

15'x10'x8' Extension Mid

1	15x10 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22115CM1002
2	1" Inline Ratchet w/10' Web Gu	Z39900280
6	Jumbo Pin	Z299F00170
2	1" x 42" Double Headed Stake	Z51100070
3	9' 4" - 2" Pipe	Z299P20904
2	JT Lite Wall Rail Slider, 10'	Z293F0018010
4	JT Lite JT2 7' 8"	Z293JT20708
1	JT Lite Assembly Cable 15x	Z293F0017015
2	JT Lite Base Plate	Z293F00090
2	JT Lite Standard "T" (w/Cap)	Z293F00040
1	JT Center Crown	Z298F00020

Jumbotrac® Lite 20x Kit Options

20'x20'x8' Hip Ends

1	20x20 2pc JT Lite Top UW SN4P Blockout White- w/ 8 Ratchet Tensioners	Z22120CF2002
2	JT Hip Crown 8-Way	Z298F00010
1	Festival Fabric Tool	Z29700250
8	1" Inline Ratchet w/10' Web Gu	Z39900280
8	1" x 42" Double Headed Stake	Z51100070
28	Jumbo Pin	Z299F00170
4	14' 4" - 2" Pipe	Z299P21404
8	JT Lite Wall Rail Slider, 10'	Z293F0018010
2	10' 6" - 2" Pipe	Z299P21006
8	9' 4" - 2" Pipe	Z299P20904
2	JT Lite JT2 10' 6"	Z293JT21006
8	JT Lite JT2 7' 8"	Z293JT20708
1	JT Lite Assembly Cable 20x	Z293F0017020
8	JT Lite Base Plate	Z293F00090
2	JT Lite Standard "T" (w/Cap)	Z293F00040
4	JT Lite Corner	Z293F00010
2	JT Lite Standard "T" (No Cap)	Z293F00050

20'x15'x8' Gable End

2	20x JT Lite Gab End UW 1-End (2pc Split in Center) SN4P Blockout White- w/ 3 Ratchet Tensioners	Z22120GABLEZ02
1	20x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22120CM1502
2	JT Lite Gable Corner Left	Z293F00020
2	JT Lite Gable Corner Right	Z293F00030
2	JT Lite Gable Tee (Universal)	Z293F00080
6	JT Lite Base Plate	Z293F00090
4	JT RoofCbl 20X15 GblBay 18'-5"	Z298F00250
6	JT Lite JT2 7' 8"	Z293JT20708
4	JT Lite JT2 10' 6"	Z293JT21006
2	4' 4" - 2" Pipe	Z299P20404
4	9' 4" - 2" Pipe	Z299P20904
4	JT Lite Wall Rail Slider, 10'	Z293F0018010
2	JT Lite Wall Rail Slider,15'	Z293F0018015
3	14' 4" - 2" Pipe	Z299P21404
18	Jumbo Pin	Z299F00170
6	1" x 42" Double Headed Stake	Z51100070
6	1" Inline Ratchet w/10' Web Gu	Z39900280
2	JT Lite Gable Crown	Z293F00035
4	JT LowrCbl 15'Bay 8'Leg 16'-7"	Z298F00294

20'x17'x8' Hex

1	20x17 2pc JT/JT Lite Hex Top UW SN4P Blockout White-w/ 6 Ratchet Tensioners	Z22120CH1702
1	"JT Hex Crown- W/Cap Not Expand"	Z298F00031
2	"JT Hex End Crown W/Cap For Exp"	Z298F00032
1	Festival Fabric Tool	Z29700250
6	1" Inline Ratchet w/10' Web Gu	Z39900280
6	1" x 42" Double Headed Stake	Z51100070
20	Jumbo Pin	Z299F00170
4	10' 6" - 2" Pipe	Z299P21006
6	9' 4" - 2" Pipe	Z299P20904
6	JT Lite Wall Rail Slider, 10'	Z293F0018010
2	JT Lite JT2 10' 6"	Z293JT21006
6	JT Lite JT2 7' 8"	Z293JT20708
1	JT Lite Assembly Cable 20x	Z293F0017020
2	JT Lite Hex End "T" w/ Cap Ri	Z293F00160
2	JT Lite Hex End "T" w/ Cap Le	Z293F00150
4	JT Lite Hex "T" No Cap	Z293F00140
2	JT Lite Hex "T" W/Cap	Z293F00130
6	JT Lite Base Plate	Z293F00090

20'x15'x8' Extension Mid

1	20x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22120CM1502
2	1" Inline Ratchet w/10' Web Gu	Z39900280
2	1" x 42" Double Headed Stake	Z51100070
6	Jumbo Pin	Z299F00170
3	14' 4" - 2" Pipe	Z299P21404
2	JT Lite JT2 10' 6"	Z293JT21006
2	JT Lite Wall Rail Slider,15'	Z293F0018015
2	JT Lite JT2 7' 8"	Z293JT20708
1	JT Lite Assembly Cable 20x	Z293F0017020
2	JT Lite Base Plate	Z293F00090
2	JT Lite Standard "T" (w/Cap)	Z293F00040
1	JT Center Crown	Z298F00020

20'x10'x8' Extension Mid

1	20x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22120CM1002
2	1" Inline Ratchet w/10' Web Gu	Z39900280
2	1" x 42" Double Headed Stake	Z51100070
6	Jumbo Pin	Z299F00170
3	9' 4" - 2" Pipe	Z299P20904
2	JT Lite Wall Rail Slider, 10'	Z293F0018010
2	JT Lite JT2 10' 6"	Z293JT21006
2	JT Lite JT2 7' 8"	Z293JT20708
1	JT Lite Assembly Cable 20x	Z293F0017020
2	JT Lite Base Plate	Z293F00090
2	JT Lite Standard "T" (w/Cap)	Z293F00040
1	JT Center Crown	Z298F00020

Jumbotrac® Lite 30x Kit Options

30'x30'x8' Hip Ends

1	30x30 2pc JT Lite Top UW SN4P Blockout White- w/ 8 Ratchet Tensioners	Z22130CF2002
1	Festival Fabric Tool	Z29700250
8	2" Inline Ratchet w/12' Web Gu	Z39900290
1	JT Lite Assembly Cable 30x	Z293F0017030
2	JT Lite Special "T" (w/Cap)	Z293F00060
2	JT Lite JT2 16' 1"	Z293JT21601
8	JT Lite JT2 7' 8"	Z293JT20708
8	JT Lite Wall Rail Slider,15'	Z293F0018015
8	JT Lite Base Plate	Z293F00090
8	1" x 42" Double Headed Stake	Z51100070
4	Hip Slide Intermediate- 30X	Z299F00100
2	JT Hip Crown 8-Way	Z298F00010
2	JT Lite Special "T" (No Cap)	Z293F00070
2	16' 1" - 2" Pipe	Z299P21601
8	10' 6" - 2" Pipe	Z299P21006
4	21' 10" - 2" Pipe	Z299P22110
8	14' 4" - 2" Pipe	Z299P21404
4	JT Lite Corner	Z293F00010
44	Jumbo Pin	Z299F00170

30'x15'x8' Gable End

2	30x JT/JT Lite Gab End UW 1-End (2pc Split in Center) SN4P Blockout White- w/ 3 Ratchet Tensioners	Z22130GABLEZ02
1	30x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22130CM1502
6	2" Inline Ratchet w/12' Web Gu	Z39900290
2	JT Lite Gable Corner Left	Z293F00020
2	JT Lite Gable Corner Right	Z293F00030
2	JT Lite Gable Tee (Universal)	Z293F00080
6	JT Lite Base Plate	Z293F00090
4	JT RoofCbl 30x15 GblBay 22'-2"	Z298F00260
4	JT LowrCbl 15'Bay 8'Leg 16'-7"	Z298F00294
6	JT Lite JT2 7' 8"	Z293JT20708
6	JT Lite Wall Rail Slider,15'	Z293F0018015
4	JT Lite JT2 16' 1"	Z293JT21601
2	6' 10" - 2" Pipe	Z299P20610
7	14' 4" - 2" Pipe	Z299P21404
18	Jumbo Pin	Z299F00170
6	1" x 42" Double Headed Stake	Z51100070
2	JT Lite Gable Crown	Z293F00035

30'x26'x8' Hex

1	20x17 2pc JT/JT Lite Hex Top UW SN4P Blockout White-w/ 6 Ratchet Tensioners	Z22120CH1702
1	Festival Fabric Tool	Z29700250
4	16' 1" - 2" Pipe	Z299P21601
2	"JT Hex End Crown W/Cap For Exp"	Z298F00032
1	"JT Hex Crown- W/Cap Not Expand"	Z298F00031
6	JT Lite Base Plate	Z293F00090
2	JT Lite Hex "T" W/Cap	Z293F00130
4	JT Lite Hex "T" No Cap	Z293F00140
2	JT Lite Hex End "T" w/ Cap Le	Z293F00150
2	JT Lite Hex End "T" w/ Cap Ri	Z293F00160
1	JT Lite Assembly Cable 30x	Z293F0017030
6	JT Lite Wall Rail Slider,15'	Z293F0018015
6	JT Lite JT2 7' 8"	Z293JT20708
2	JT Lite JT2 16' 1"	Z293JT21601
6	14' 4" - 2" Pipe	Z299P21404
32	Jumbo Pin	Z299F00170
6	1" x 42" Double Headed Stake	Z51100070
6	2" Inline Ratchet w/12' Web Gu	Z39900290

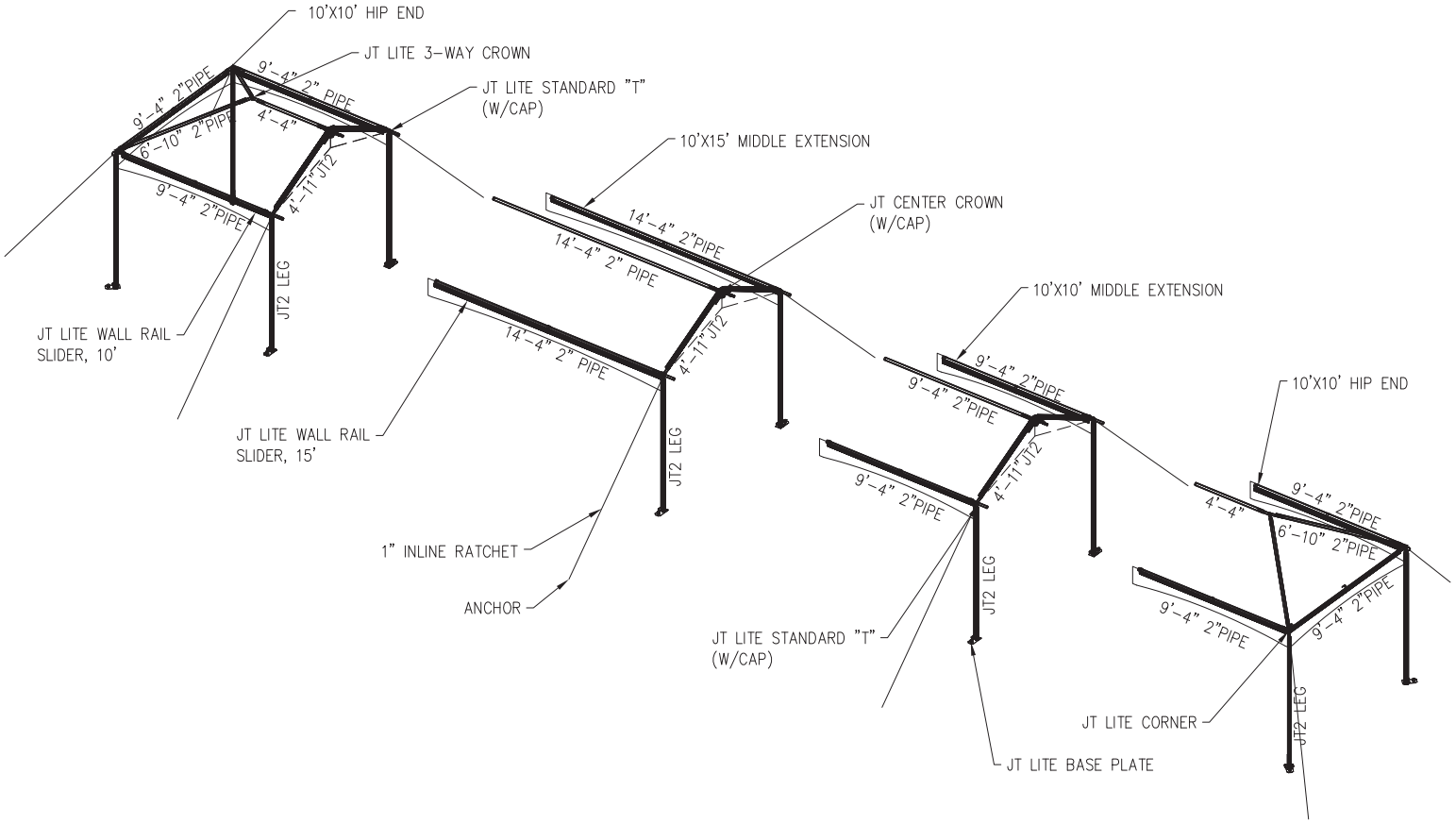
30'x15'x8' Extension Mid

1	30x15 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22130CM1502
2	JT Lite Special "T" (w/Cap)	Z293F00060
1	JT Center Crown	Z298F00020
2	JT Lite Base Plate	Z293F00090
1	JT Lite Assembly Cable 30x	Z293F0017030
2	JT Lite JT2 7' 8"	Z293JT20708
2	JT Lite JT2 16' 1"	Z293JT21601
2	JT Lite Wall Rail Slider,15'	Z293F0018015
3	14' 4" - 2" Pipe	Z299P21404
6	Jumbo Pin	Z299F00170
2	1" x 42" Double Headed Stake	Z51100070
2	2" Inline Ratchet w/12' Web Guy	Z39900290

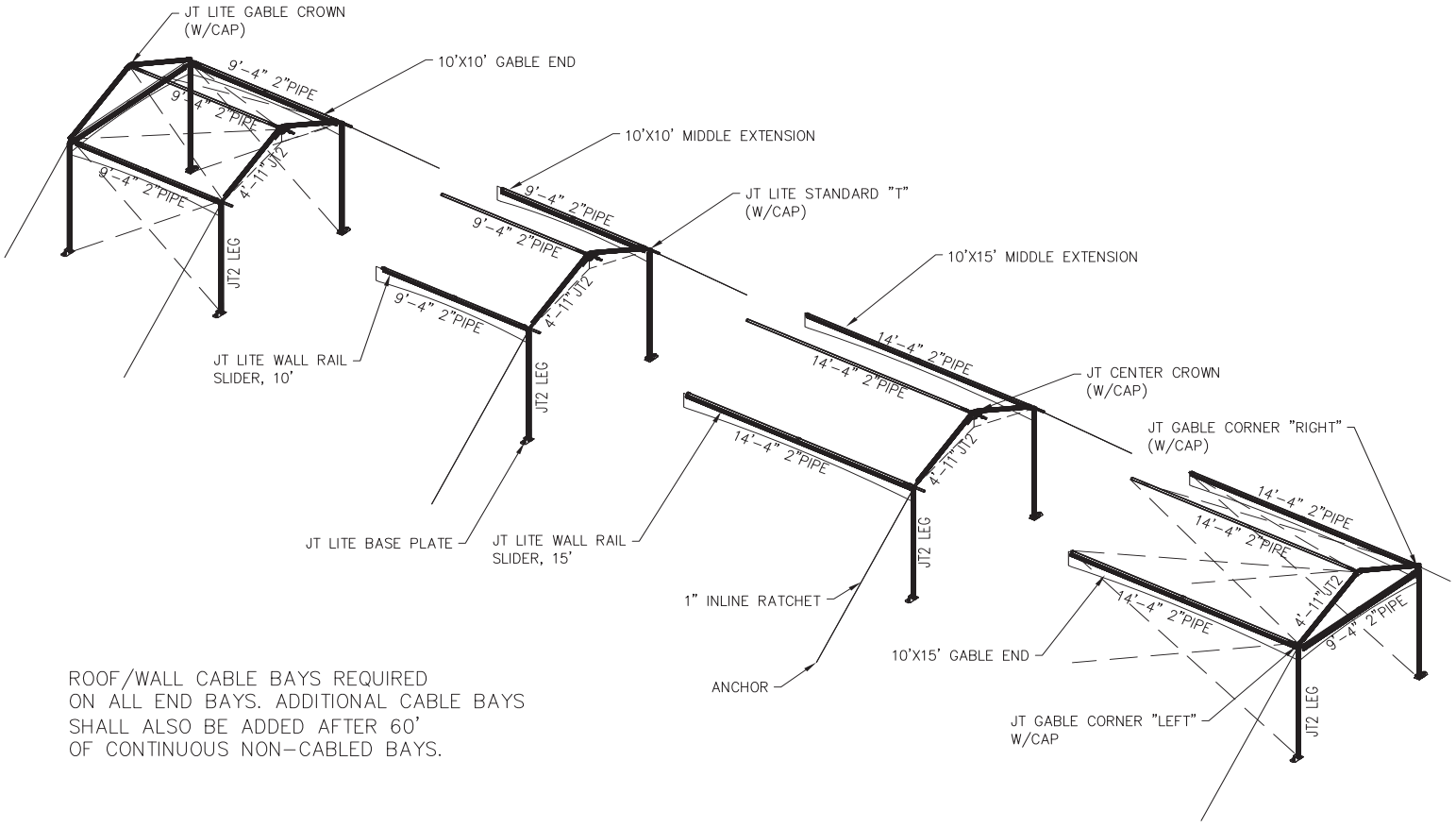
30'x10'x8' Extension Mid

1	30x10 Mid JT/JT Lite Top UW SN4P Blockout White- w/ 2 Ratchet Tensioners	Z22130CM1002
3	1" Inline Ratchet w/10' Web Gu	Z299P20904
2	1" x 42" Double Headed Stake	Z293F00090
2	Jumbo Pin	Z51100070
1	9' 4" - 2" Pipe	Z298F00020
2	JT Lite Wall Rail Slider, 10'	Z293JT20708
1	JT Lite JT2 10' 6"	Z293F0017030
2	JT Lite JT2 7' 8"	Z293F0018010
2	JT Lite Assembly Cable 20x	Z293F00060
2	JT Lite Base Plate	Z39900290
2	JT Lite Standard "T" (w/Cap)	Z293JT21601
6	JT Center Crown	Z299F00170

Jumbotrac® Lite 10x Hip Assembly Details

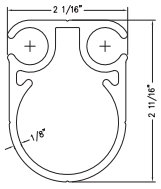


Jumbotrac® Lite 10x Gable Assembly Details

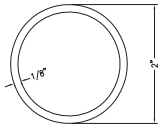


ROOF/WALL CABLE BAYS REQUIRED ON ALL END BAYS. ADDITIONAL CABLE BAYS SHALL ALSO BE ADDED AFTER 60' OF CONTINUOUS NON-CABLED BAYS.

Jumbotrac® Lite 10x Beam Details

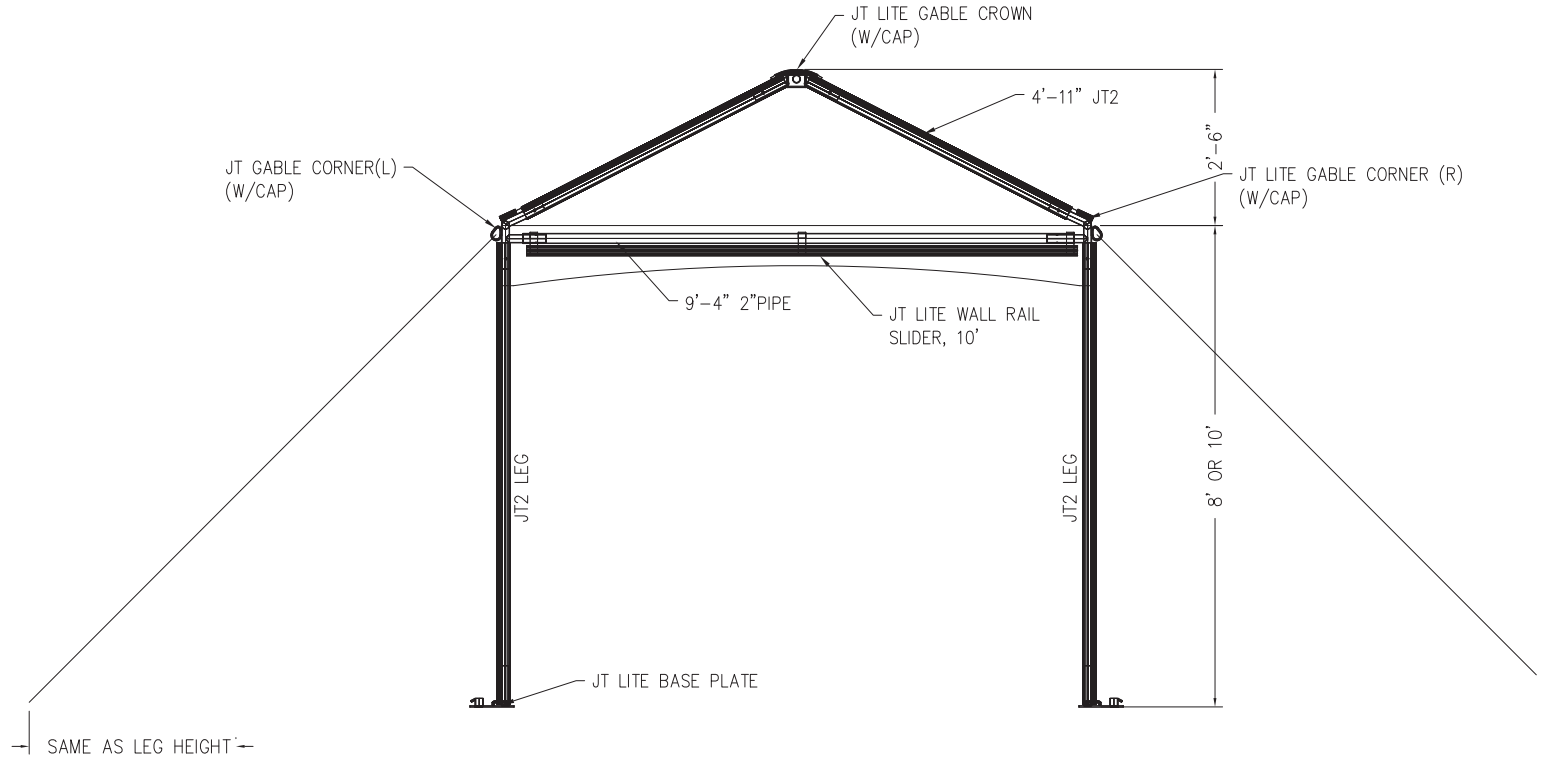


JT2 BEAM
6061–T6 ALUMINUM



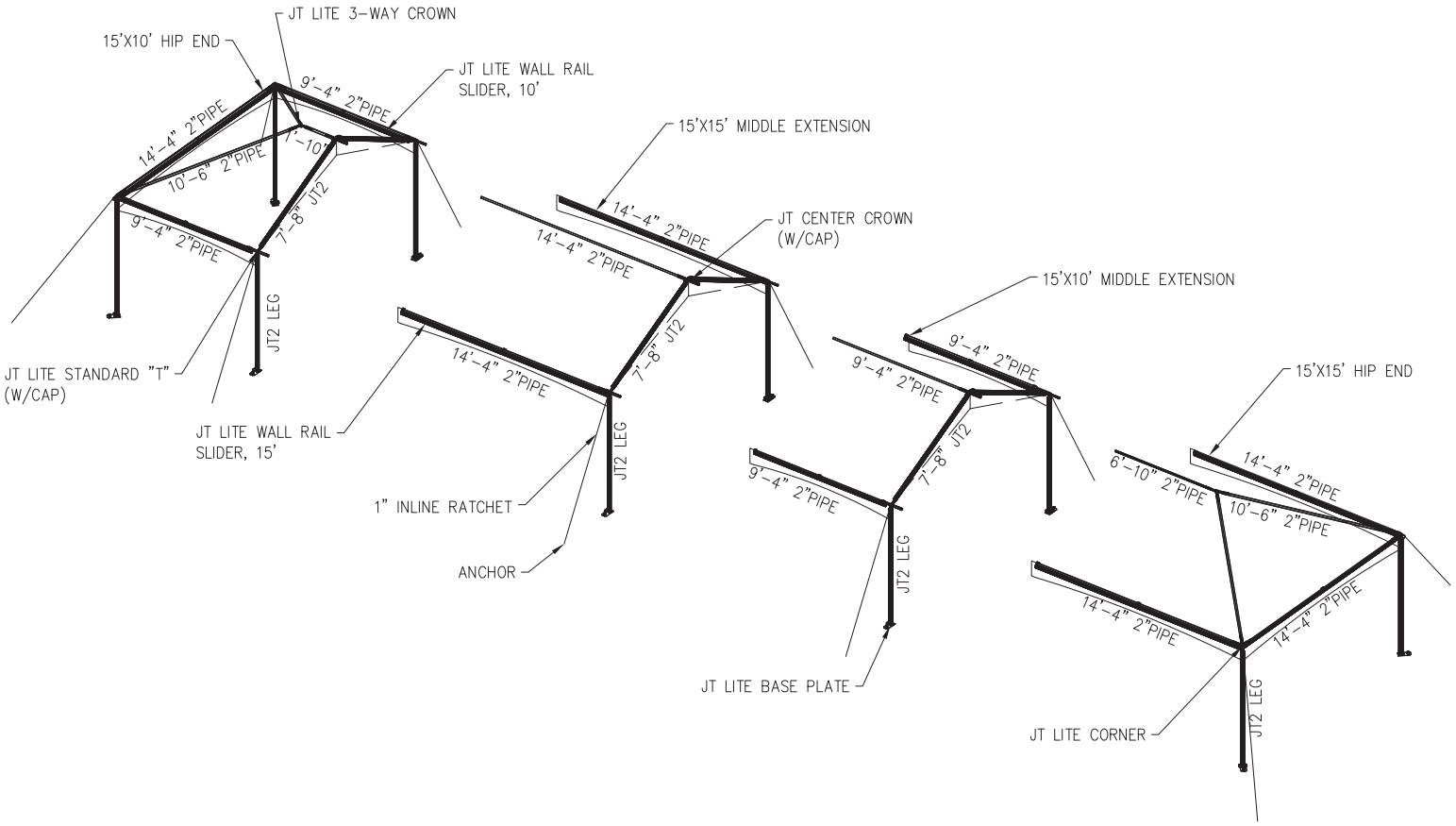
2" PIPE
6061–T6 ALUMINUM

TYPICAL STANDARD CENTER BAY

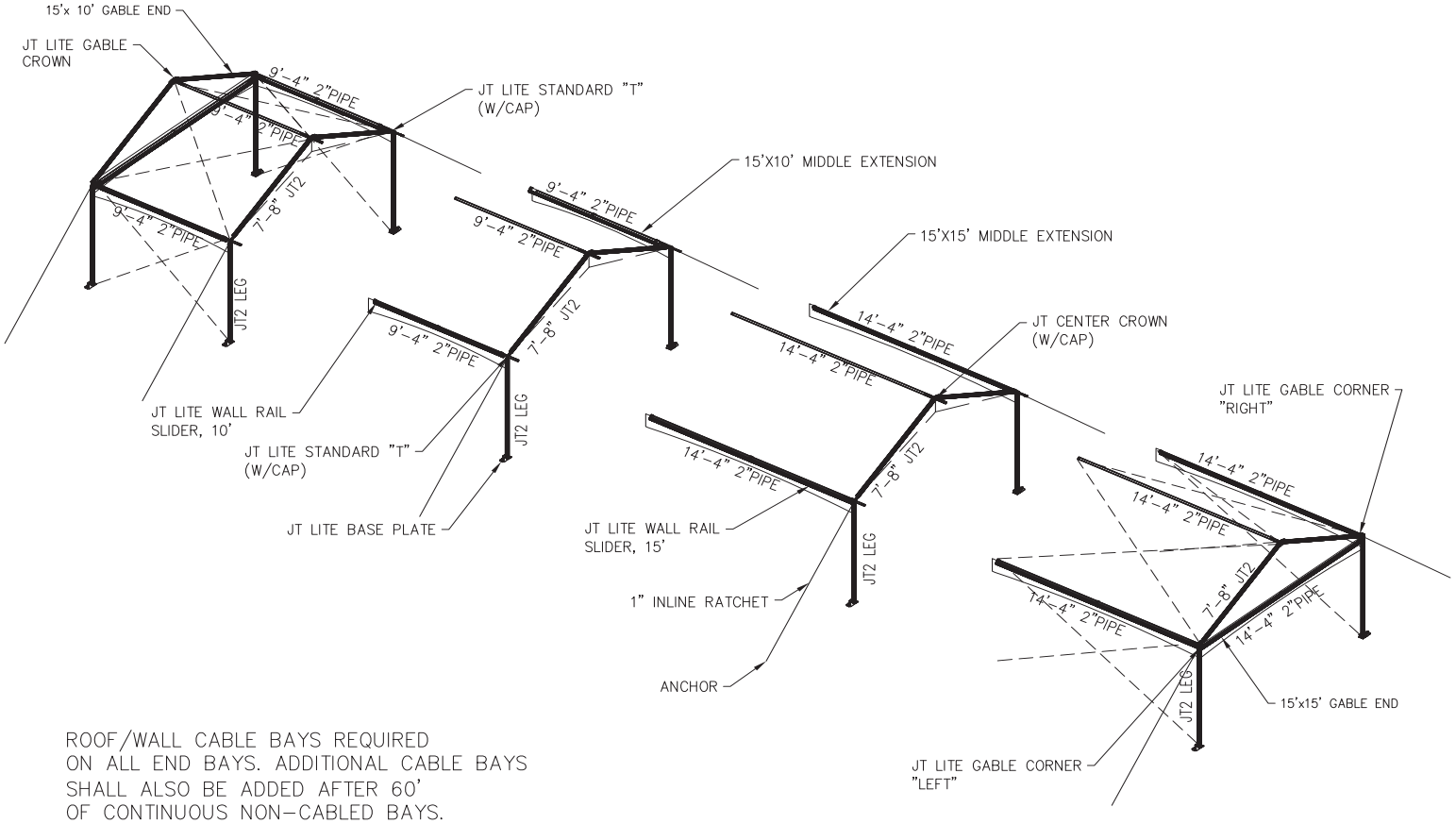


JUMBOTRAC LITE GABLE END

Jumbotrac® Lite 15x Hip Assembly Details

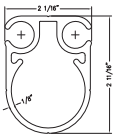


Jumbotrac® Lite 15x Gable Assembly Details

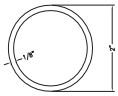


ROOF/WALL CABLE BAYS REQUIRED ON ALL END BAYS. ADDITIONAL CABLE BAYS SHALL ALSO BE ADDED AFTER 60' OF CONTINUOUS NON-CABLED BAYS.

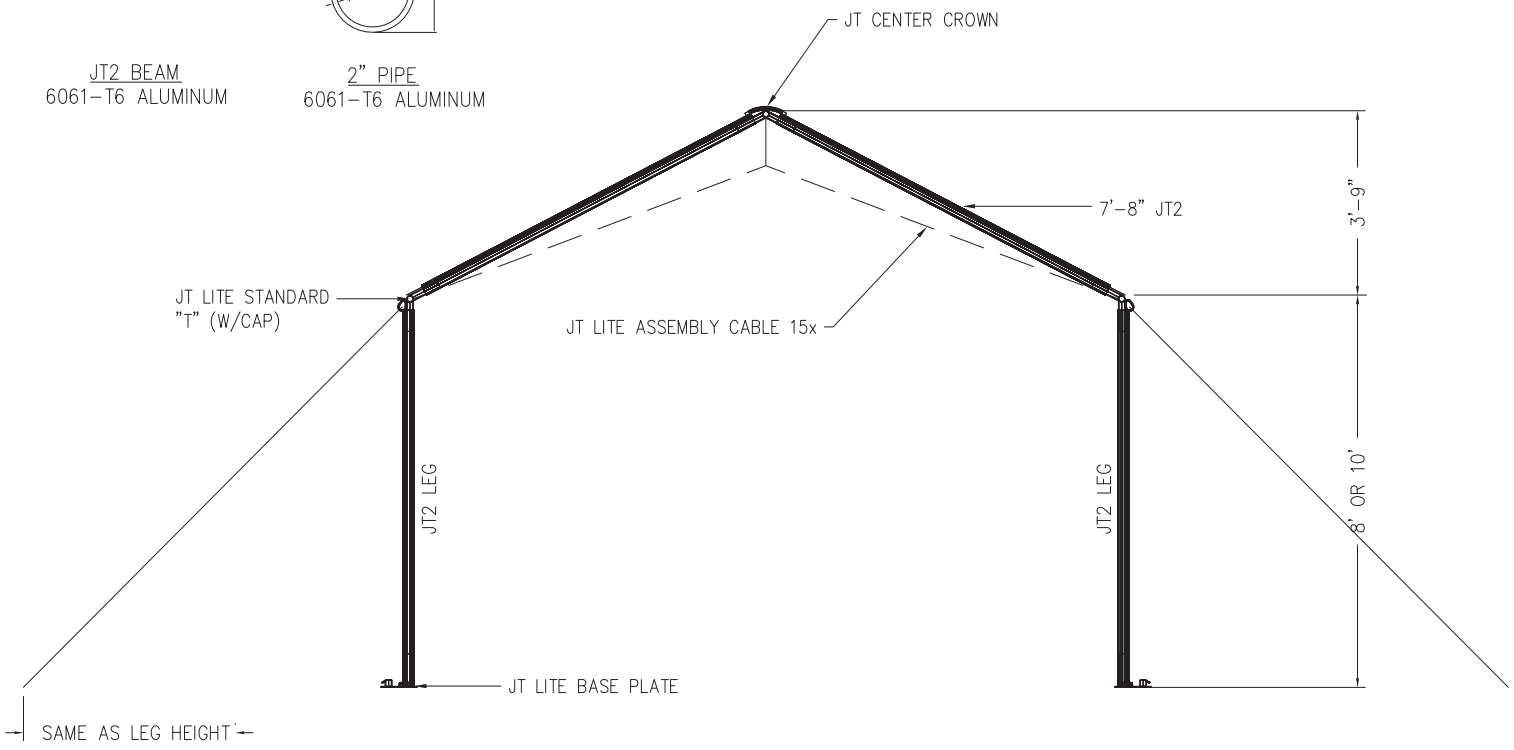
Jumbotrac® Lite 15x Beam Details



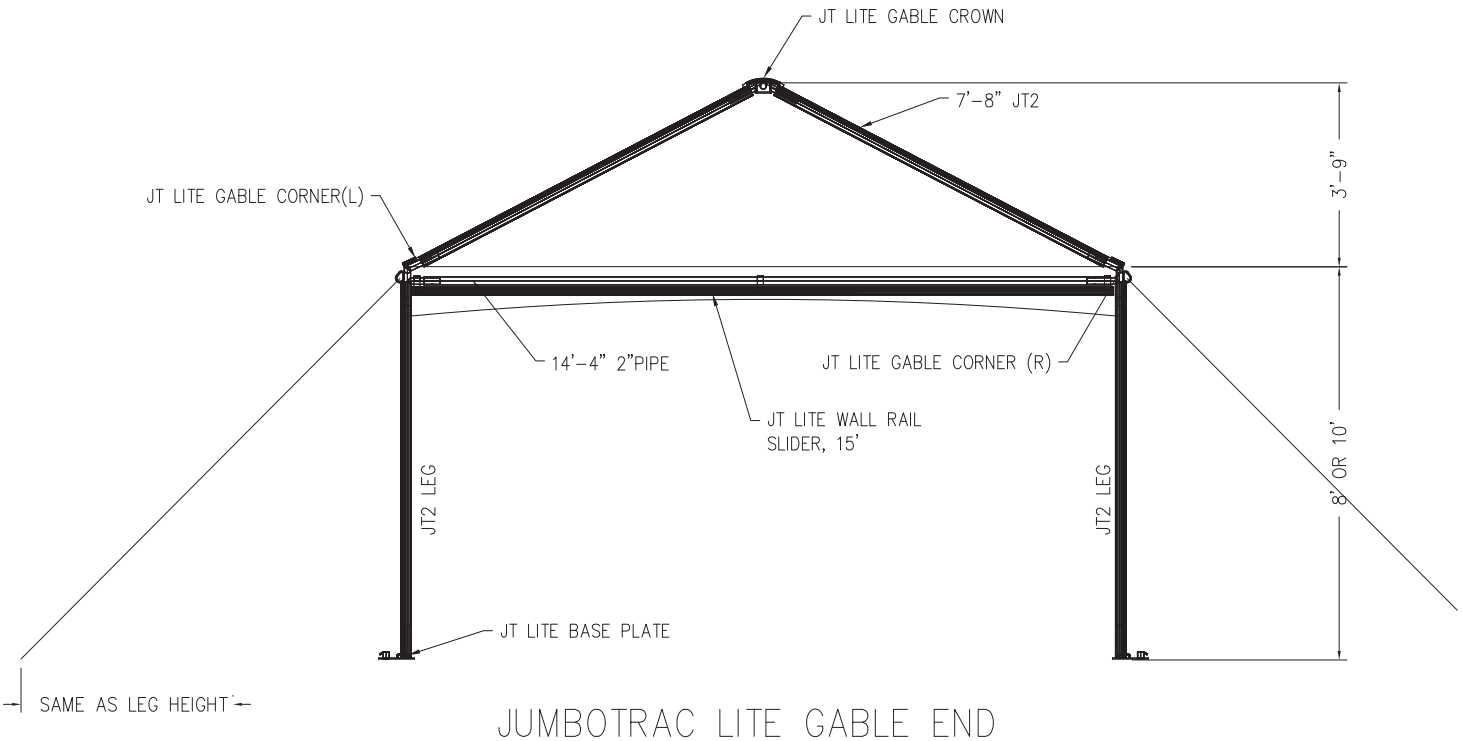
JT2 BEAM
6061–T6 ALUMINUM



2" PIPE
6061–T6 ALUMINUM

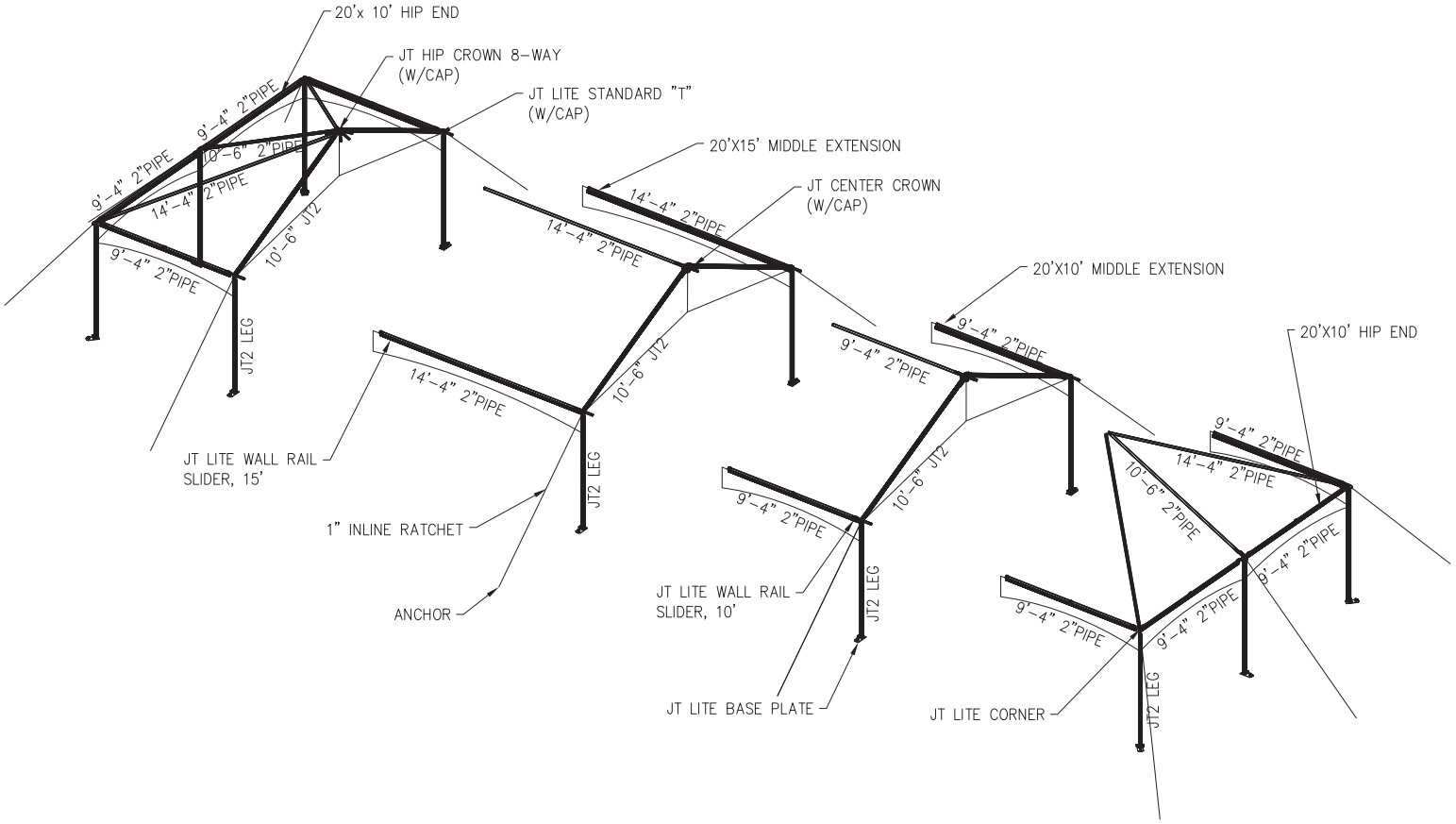


TYPICAL STANDARD CENTER BAY

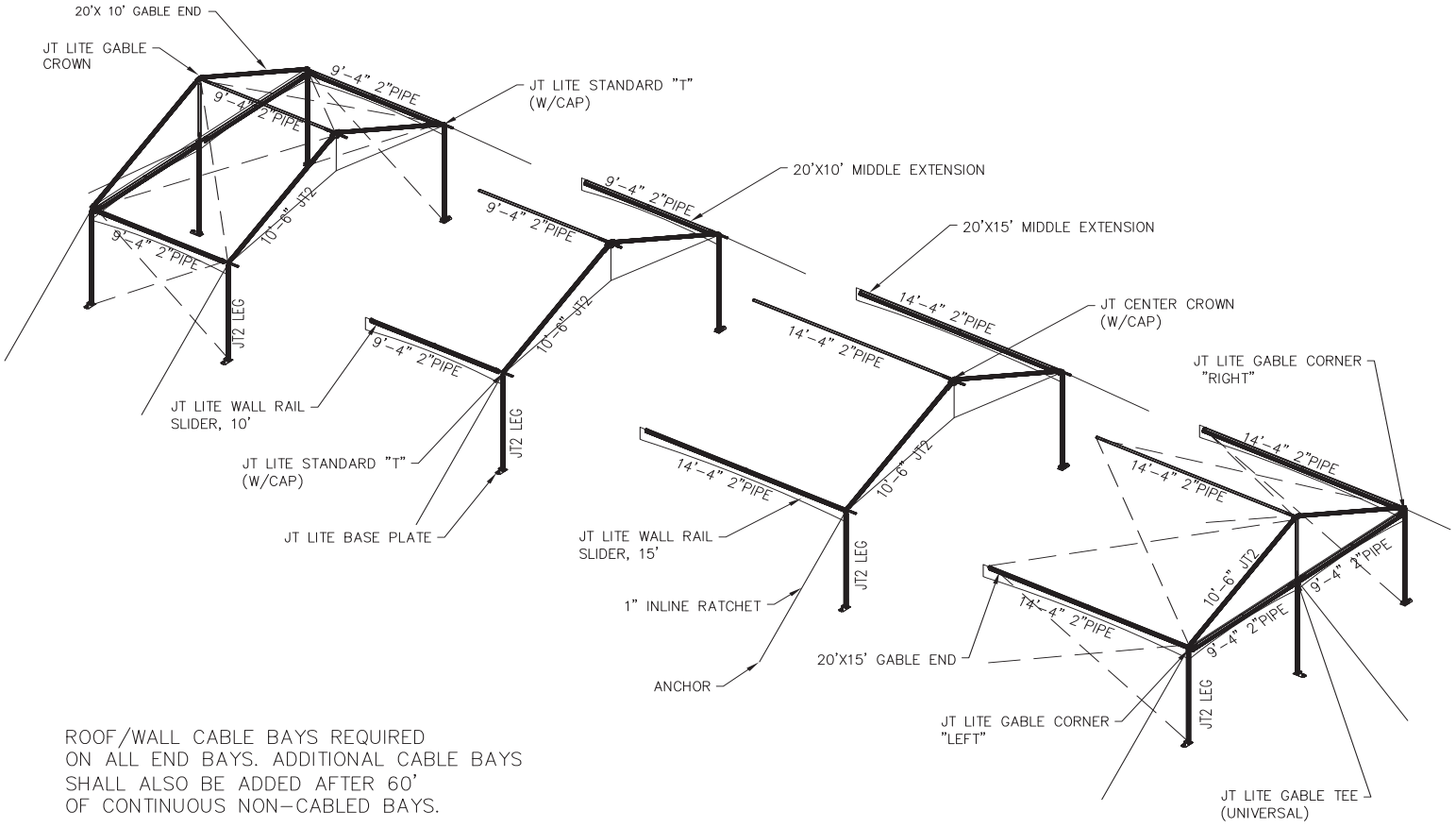


JUMBOTRAC LITE GABLE END

Jumbotrac® Lite 20x Hip Assembly Details

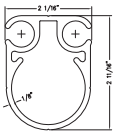


Jumbotrac® Lite 20x Gable Assembly Details

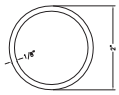


ROOF/WALL CABLE BAYS REQUIRED ON ALL END BAYS. ADDITIONAL CABLE BAYS SHALL ALSO BE ADDED AFTER 60' OF CONTINUOUS NON-CABLED BAYS.

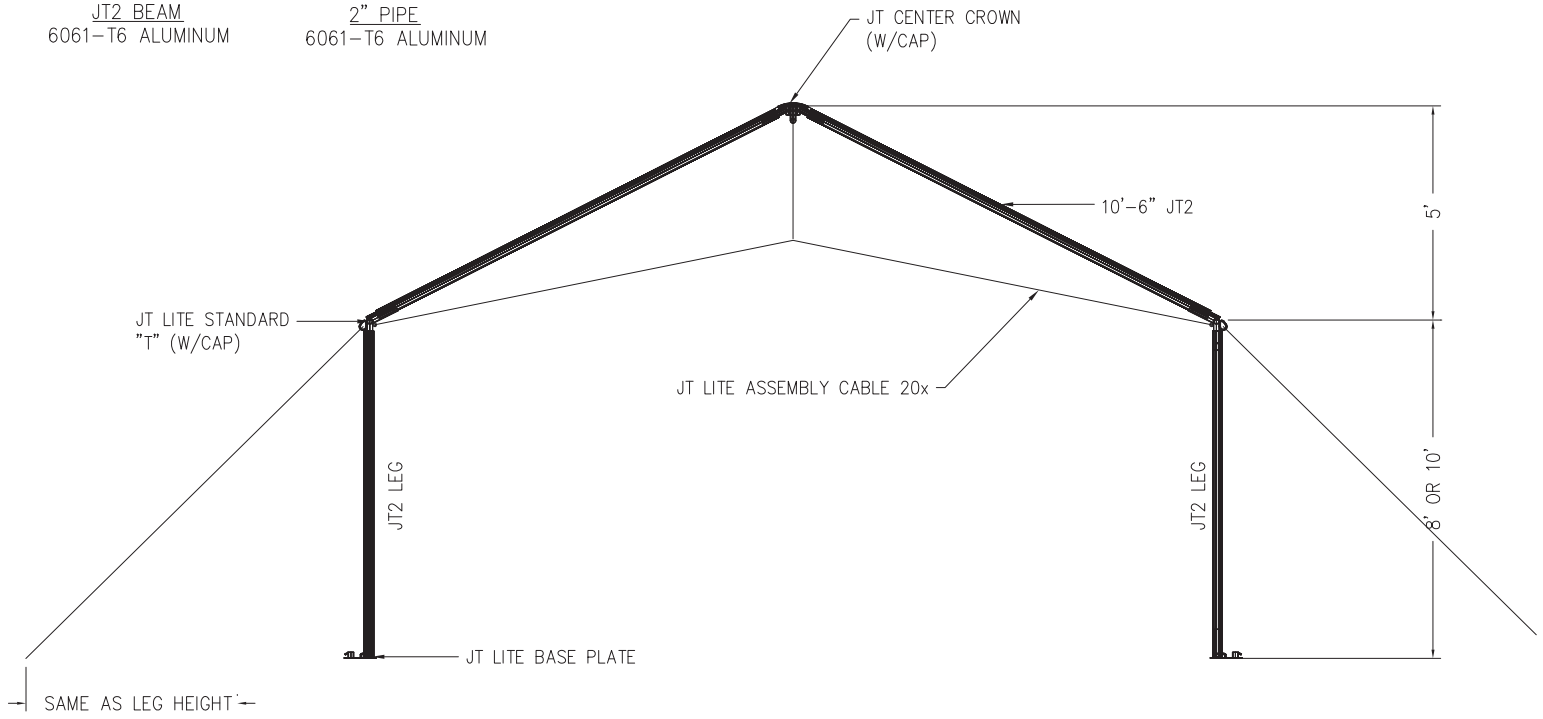
Jumbotrac® Lite 20x Beam Details



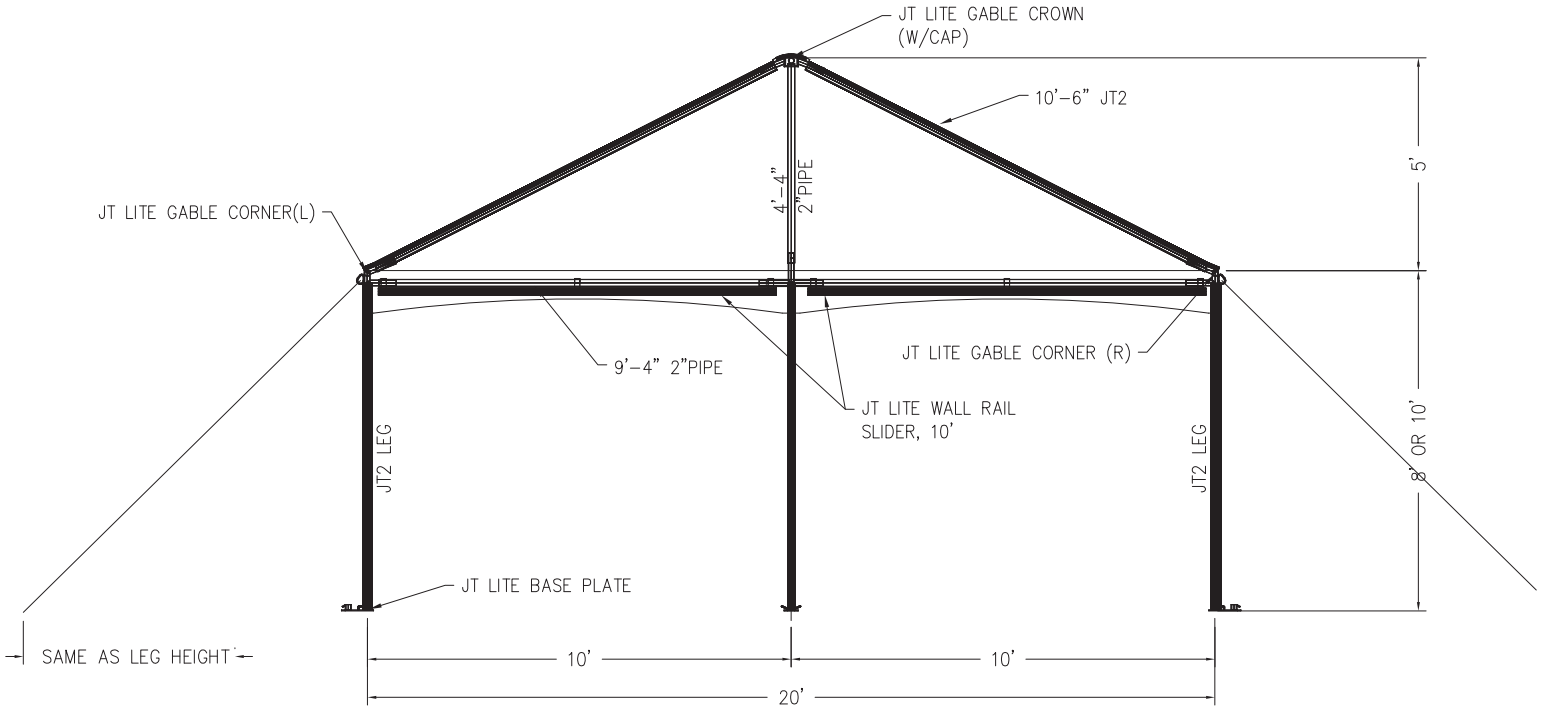
JT2 BEAM
6061–T6 ALUMINUM



2" PIPE
6061–T6 ALUMINUM

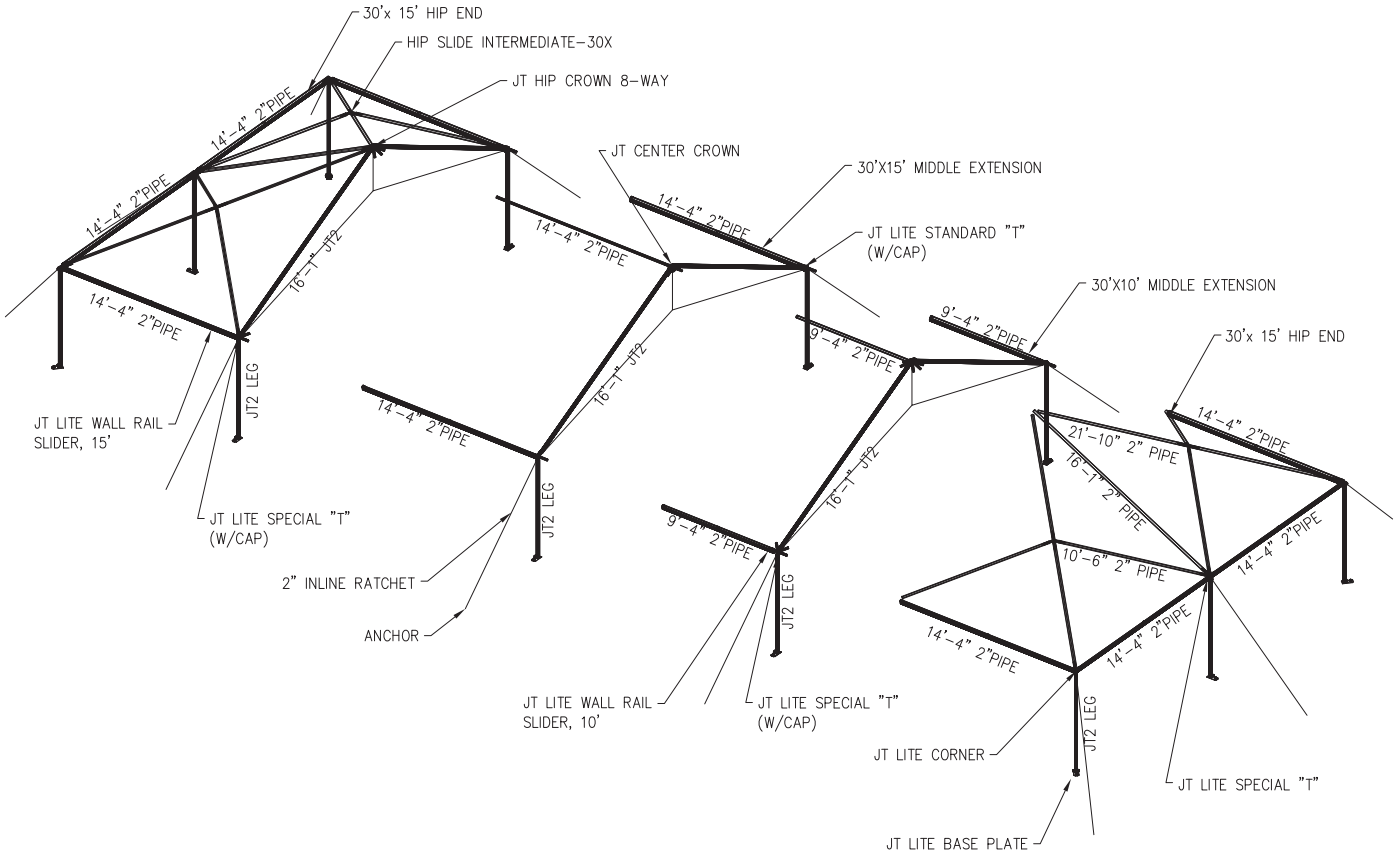


TYPICAL STANDARD CENTER BAY

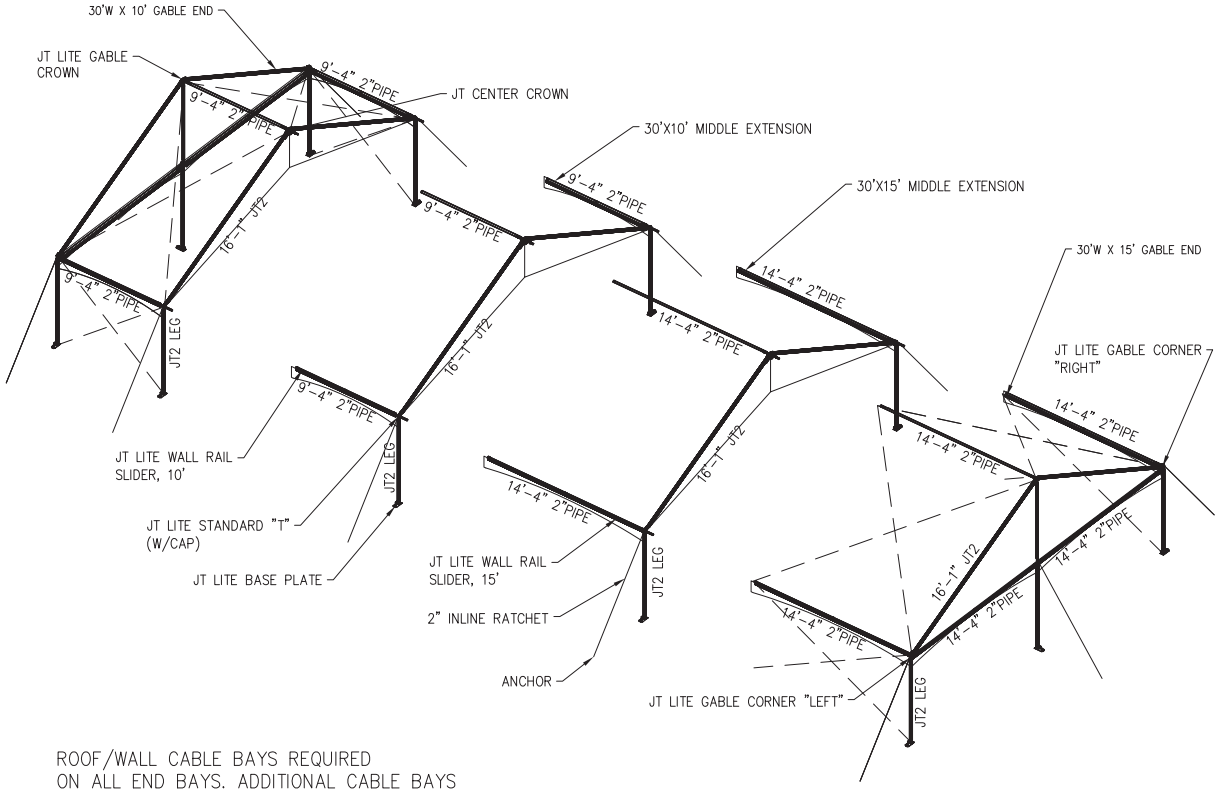


JUMBOTRAC LITE GABLE END

Jumbotrac® Lite 30x Hip Assembly Details

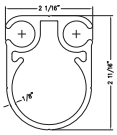


Jumbotrac® Lite 30x Gable Assembly Details

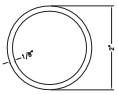


ROOF/WALL CABLE BAYS REQUIRED ON ALL END BAYS. ADDITIONAL CABLE BAYS SHALL ALSO BE ADDED AFTER 60' OF CONTINUOUS NON–CABLED BAYS.

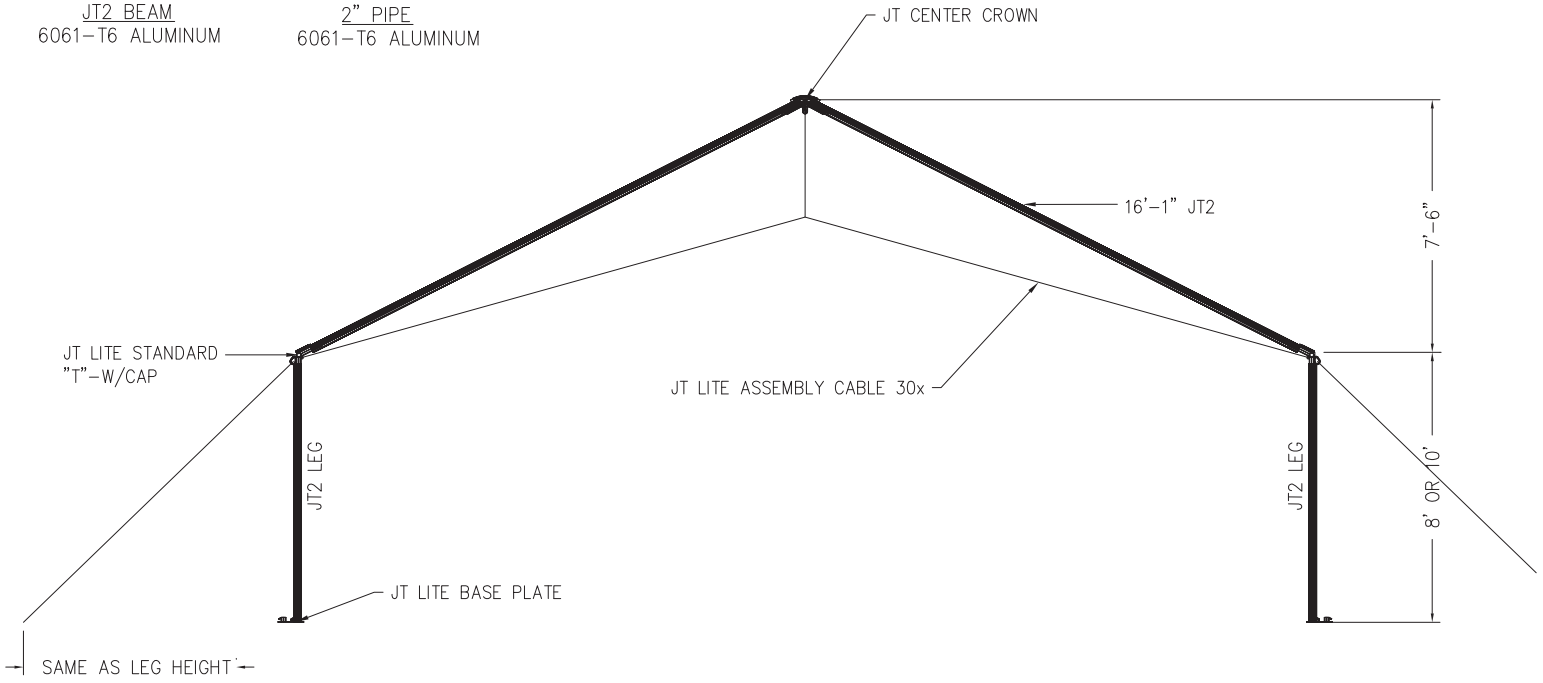
Jumbotrac® Lite 30x Beam Details



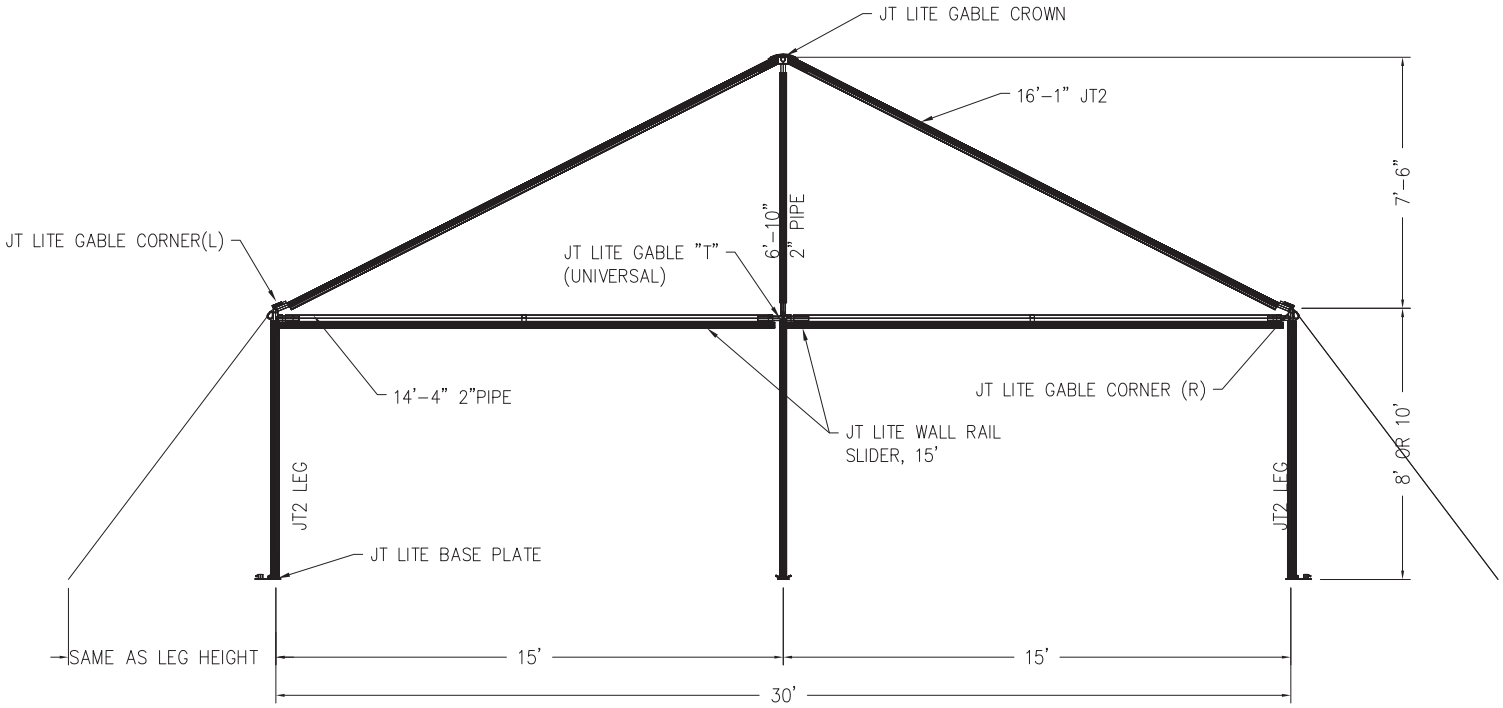
JT2 BEAM
6061–T6 ALUMINUM



2" PIPE
6061–T6 ALUMINUM



TYPICAL STANDARD CENTER BAY



JUMBOTRAC LITE GABLE END

Jumbotrac® Lite Parts Images


JT Hip Crown 8-Way


JT Center Crown


JT Lite Corner


JT Lite Gable Corner Left


JT Lite Gable Corner Right

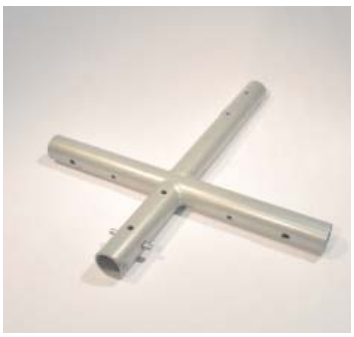

JT Lite Gable Crown


JT Lite Standard “T” (W/Cap)


JT Lite Standard “T” (No Cap)


JT Lite Special“T” (W/Cap)


JT Lite Special “T” (No Cap)


JT Lite GableTee (Universal)


2’ Adjustable Qwik Baseplate


Qwik Footplate


JT Lite Baseplate


JT Lite Baseplate 2’ Adj (Optional)


JT Lite Hex “T” W/Cap


JT Lite Hex “T” No Cap


JT Lite Hex End“T” W/Cap Left


JT Lite Hex End“T” W/Cap Right


JT Lite Universal Bracket w/ Pin

Parts Images


JT Ratchet Tensioner


Push Button "V" 3/8"


Jumbotrac Fabric Tool


JT Keder Feeder (2pc Set)


1/2" Polydac x65' Pullrope (Setof 2)


2" Inline Ratchet w/12' Web Guy


1" Inline Ratchet w/10' Web Guy


Jumbo Pin


3 Way Crown


Hip Intermediate -40x


Hip Slide Intermediate- 30x

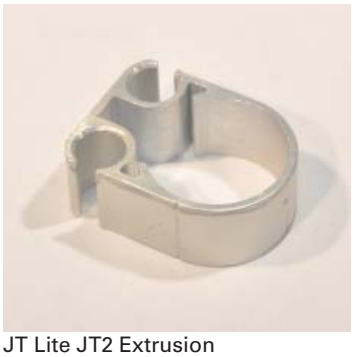

JT Lite Assembly Cable


JT Lite Wall Rail Slide


JT Roof Cable Gbl Bay


JT Lower Cable Gbl Bay


JT Wall Tension Bar Bracket


JT Lite JT2 Extrusion


2" Round Tubing Extrusion

Jumbotrac® Lite 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

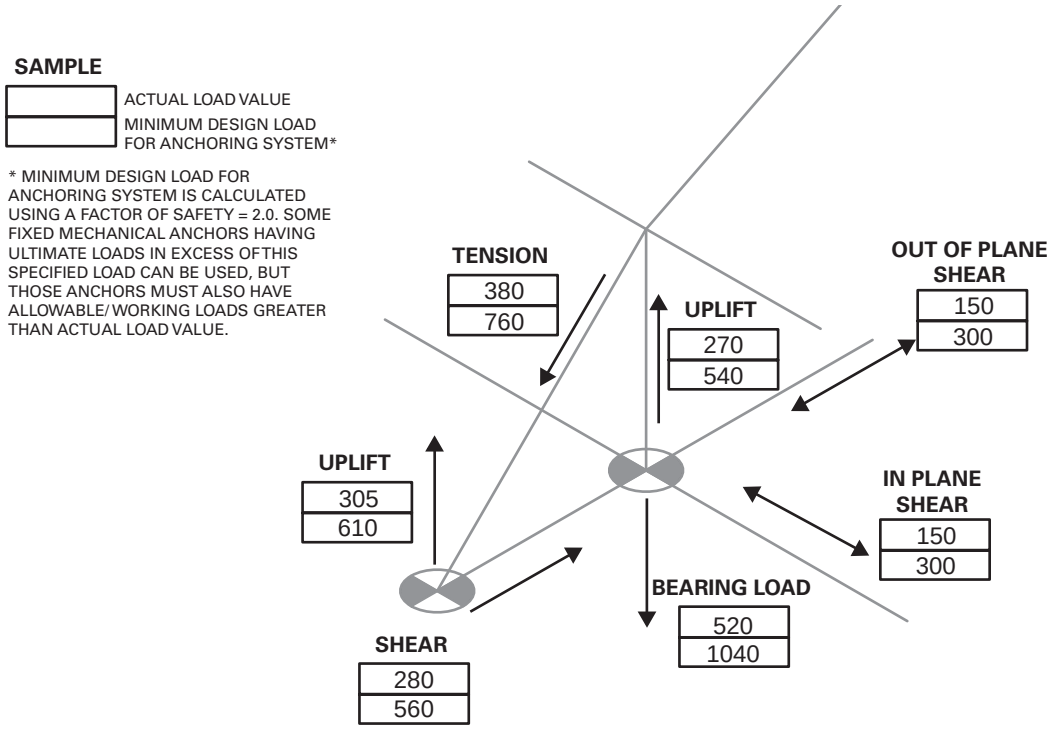
Design Criteria: 40′ wide Systems
Code: ASCE 7-10, 2012 IFC, 2012 IBC
Wind Speed: 40MPH 3-Second Gust Exposure C
Mean Recurrence Interval (MRI): 7.5 Years

Notes:
External Guys to be installed at 45 degree from horizontal
Provide 1/4" cable cross bracing @ rafter/spreader @ each gable end per gable setup & every 100′ as length (hip or gable) requires. Tent not to be located near abrupt changes in topography

Maximum 50lb point load or 4lbs per foot at each rafter. 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.

Jumbotrac® Lite Load Summary- 10′, 15′, and 20′ Width



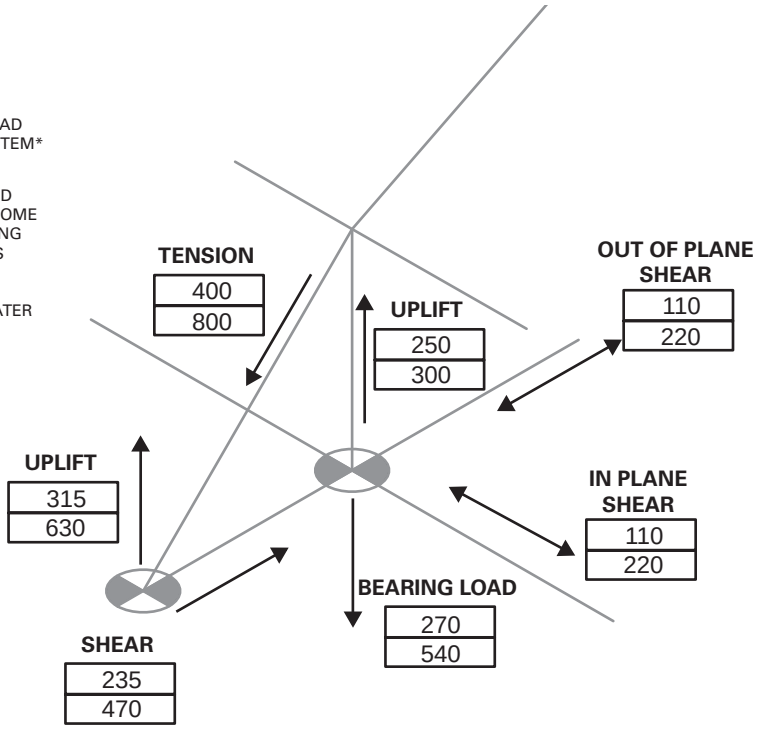
Jumbotrac® Lite Load Summary- 30' Width

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.



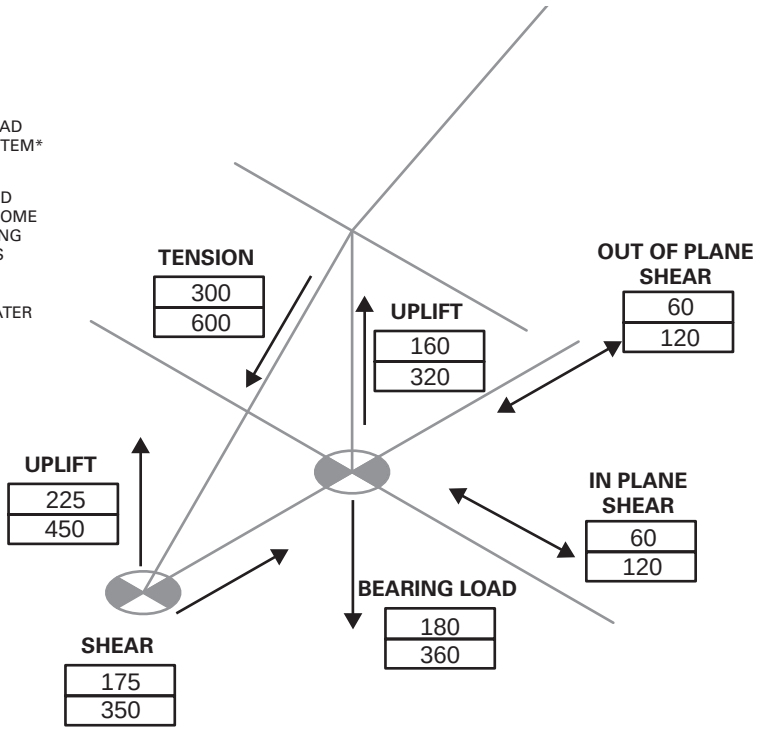
Jumbotrac® Lite Load Summary- 40' Width

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.



Jumbotrac™ Lite Components

Fittings/Components	Item Number	Wt
JT Hip Crown 8-Way	Z298F00010	17
JT Center Crown	Z298F00020	12
Hip Intermediate -40X	Z299F00090	11
Hip Slide Intermediate- 30X	Z299F00100	3
Special Side Tee	Z299F00130	9
Side Tee	Z299F00140	6
Qwik Corner	Z299F00040	6
3 Way Crown	Z299F00050	5
JT Lite Corner	Z293F00010	7
JT Lite Gable Corner Left	Z293F00020	8
JT Lite Gable Corner Right	Z293F00030	8
JT Lite Gable Crown	Z293F00035	8 1/2
JT Lite Standard "T" (w/Cap)	Z293F00040	13
JT Lite Standard "T" (No Cap)	Z293F00050	12
JT Lite Special "T" (w/Cap)	Z293F00060	14
JT Lite Special "T" (No Cap)	Z293F00070	13
JT Lite Gable Tee (Universal)	Z293F00080	8
JT Lite Base Plate	Z293F00090	4
JT Lite Base Plate 2' Adj.(Opt	Z293F00100	8
2' Adjustable Qwik Baseplate	Z299F00180	8
Qwik Footplate	Z299F00200	4
JT Lite Hex "T" W/Cap	Z293F00130	13
JT Lite Hex "T" No Cap	Z293F00140	12
JT Lite Hex End "T" w/ Cap Le	Z293F00150	13
JT Lite Hex End "T" w/ Cap Ri	Z293F00160	13
JT Lite Universal Bracket w/ P	Z293F00170	2
JT Lite Assembly Cable 10x	Z293F0017010	6
JT Lite Assembly Cable 15x	Z293F0017015	7
JT Lite Assembly Cable 20x	Z293F0017020	8
JT Lite Assembly Cable 30x	Z293F0017030	10
JT Lite Assembly Cable 40'	Z293F0017040	12
JT Lite Wall Rail Slider, 10'	Z293F0018010	13
JT Lite Wall Rail Slider,15'	Z293F0018015	17
JT Lite Wall Rail Slider, 20'	Z293F0018020	23
Festival Fabric Tool	Z29700250	2
Fest Ratchet Tensioner20/30/40	Z29700270	1
Jumbo Pin	Z299F00170	.054
JT Hex Crown- W/Cap Not Expand	Z298F00031	17
JT Hex End Crown W/Cap For Exp	Z298F00032	17
JT Hex "T" - W/Cap	Z298F000910	13
JT Hex "T" - No Cap	Z298F000911	12
JT Hex End "T" - W/Cap-Left	Z298F000912	12
JT Hex End "T" - W/Cap-Right	Z298F000913	13
JT RoofCbl 20x10 GblBay 14'-8"	Z298F00235	5
JT RoofCbl 20X15 GblBay 18'-5"	Z298F00250	5
JT RoofCbl 30x10 GblBay19'-3"	Z298F00255	5
JT RoofCbl 30x15 GblBay 22'-2"	Z298F00260	6
JT RoofCbl 40x10 GblBay 24'-2"	Z298F00275	6
JT LowrCble 10'Bay8'Leg 12'-5"	Z298F00291	4
JT LowrCbl 10'Bay10'Leg 13'-6"	Z298F00292	4
JT LowrCbl 15'Bay10' Leg 17'-5	Z298F00293	5
JT LowrCbl 15'Bay 8'Leg 16'-7"	Z298F00294	5
JT LowrCbl 20'Bay10'Leg 21'-10	Z298F00295	6
JT LowrCbl 20'Bay 8'Leg 21'-2"	Z298F00296	6
JT LowCbl 20'Bay12'Leg 22'-10"	Z298F00297	6
JT Ratchet Tensioner-1"	Z298F00300	2
Push Button "V" 3/8" Tectrac S	Z298F00320	1/2
JT Keder Feeder (2pc Set)Inst	Z298F00343	20
1/2" Polydac x 65' Pullrope (S	Z298F00345	6
10' JT Wall Tension Bar W/(1)	Z298F00610	87
15' JT Wall Tension Bar W/(1)	Z298F00615	108
20' JT Wall Tension Bar W/(1)	Z298F00620	128
JT Wall Tension Bar Bracket	Z298F00630	5

Aluminum Beams	Item Number	Wt
JT Lite JT2 4'11"	Z293JT20411	8.3
JT Lite JT2 6' 8"	Z293JT20608	12.7
JT Lite JT2 7' 8"	Z293JT20708	12.7
JT Lite JT2 9' 4"	Z293JT20904	15.5
JT Lite JT2 10' 6"	Z293JT21006	17.5
JT Lite JT2 16' 1"	Z293JT21601	26.7
JT Lite JT2 21' 10"	Z293JT22110	36.3
1' -10" x 2" Pipe	Z299P20110	2
2' -8" x 2" Pipe	Z299P20208	2
3' 4" - 2" Pipe	Z299P20304	3
3' 10" - 2" Pipe	Z299P20310	3.5
4' 4" - 2" Pipe	Z299P20404	4
4' 6" - 2" Pipe	Z299P20406	4
4' 11" - 2" Pipe	Z299P20411	4
5' 2" - 2" Pipe	Z299P20502	5
5' 4" - 2" Pipe	Z299P20504	5
6' 0.5" - 2" Pipe	Z299P2060.5	6
2" x 6' 0" Pipe	Z299P20600	6
6' 8" - 2" Pipe	Z299P20608	6
6' 10" - 2" Pipe	Z299P20610	6
7' 4" - 2" Pipe	Z299P20704	7
7' 8" - 2" Pipe	Z299P20708	7
8' 4" - 2" Pipe	Z299P20804	8
9' 4" - 2" Pipe	Z299P20904	8
10' 6" - 2" Pipe	Z299P21006	10
14' 4" - 2" Pipe	Z299P21404	13
16' 1" - 2" Pipe	Z299P21601	15
19' 4" - 2" Pipe	Z299P21904	20
21' 10" - 2" Pipe	Z299P22110	20

Tent Jacks	Item Number	Wt
Std. Rolling Canopy Jack 10'-10"	Z51400010	106
Ext. Rolling Canopy Jack 13'-8"	Z51400020	112
Canopy Jack Strap & Hook - Black	Z51400030	3
Replacement Winch Only	Z51400065	15

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

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