

Humanitarian and General Purpose Tent System (HGPTS)

NSN: 8340-01-535-6379 (FEMA MOD 2011)

INSTRUCTION MANUAL ERECTION AND STRIKE PROCEDURES



Manufactured By:

CELINA TENT INC.

5373 State Route 29

Celina, Ohio 45822-9210 USA

www.CelinaTent.com

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**5373 State Route 29
Celina, Ohio 45822-9210 USA**

www.CelinaTent.com

Fax: 419-584-0949

Phone: 419-586-3610



CELINA TENT

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INTRODUCTION

Celina's General Purpose / Humanitarian Shelter is a non-tactical shelter designed to offer an economical solution for humanitarian aid in the event of a natural disaster or conflict worldwide. General purposes include: Medical facilities, billeting, field services, and storage.

Features:

- ◆Dimensions: 16'L x 16'W x 7'0-11'H (eave to peak)
- ◆Floor Area: 256 square feet
- ◆Shelter is 100% Berry Amendment compliant
- ◆Erection: 4 people takes 30 minutes
- ◆Fabric: MIL-PRF-20696 Vinyl laminate
- ◆Color: Desert tan or olive drab
- ◆Internal frame supported shelter that is capable of withstanding a steady wind speed of 55 mph with gusts up to 65 mph.
- ◆The shelter is able to withstand a snow load of 10 pounds per square foot for a maximum of 12 hours.
- ◆Door: One wall is equipped with a door that meets the minimum opening requirements of the DOD (6 ft. 3 in. high and 4 ft. 6 in. wide) to accommodate persons with backpacks. Standard door is NOT TEMPER vestibule compatible.
- ◆X-Support webbing braces provide the structure added strength and also allow the occupants to maintenance the shelter from inside the structure (no tensioning tools required), as well as erect shelters in close proximity since no external wind lines are necessary.
- ◆Only tool required for erection is a hammering device (hammer, mallet, rock).

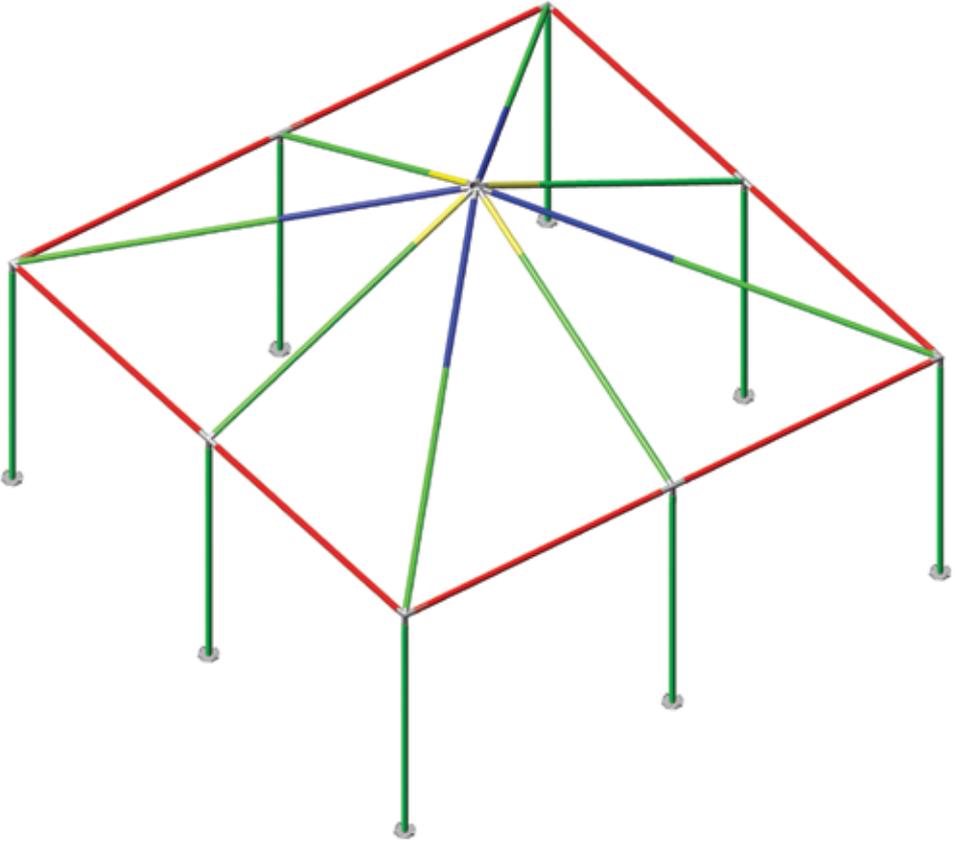
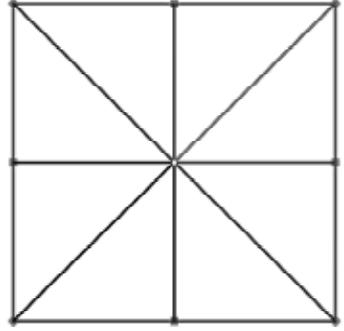
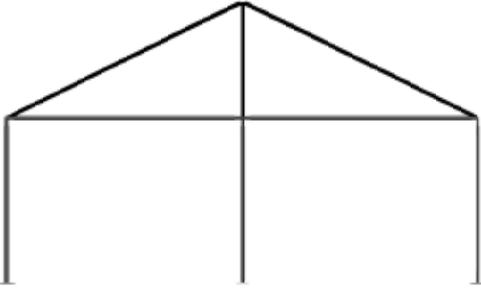
- ◆ Super duty framework which consists of fittings constructed with 12ga x 1.66” diameter galvanized steel tube and poles with 16ga x 1.875” diameter galvanized steel tube. The frame tubing is a standard item, which allows replacements to be purchased worldwide.
- ◆ Optional welding: Framework joints can be welded to create a semi-permanent, long-term structure.
- ◆ Shelter cover and sidewalls are heat welded to prevent water leakage.
- ◆ Construction: Sidewalls include extensions on each end which wrap around the corners and are secured in place by adjustable side release buckles to prevent element intrusion. A mud flap around the perimeter of the shelter is provided in order to place sand bags to achieve maximum rigidity of the shelter and to reduce pest and/or rodent intrusion.
- ◆ A peak vent allows warm air to escape through the shelter roof and can easily be opened or closed at ground level from outside the shelter by one person. There are windows on each sidewall allowing additional ventilation.
- ◆ A vinyl laminate floor attaches to the interior of the shelter and creates a completely enclosed structure.
- ◆ In-Field Repair kits are available for the tent membrane & floor.
- ◆ Capable of withstanding all weather conditions except arctic.
- ◆ Water resistant
- ◆ Flexible/abrasion resistant
- ◆ Compactable/Portable
- ◆ Optional mosquito netting allows additional ventilation

PARTS BREAKDOWN

	DESCRIPTION	QTY.	PART #
①	Corner Fitting	4	F01CORHT
②	Side Tee Fitting	4	F02STHT
③	Base Plate	8	F03BPHT
④	8 Way Crown Fitting	1	F048WCHT
⑤	56" (142.2 cm) Hip Swage Pole (Blue)	4	HT2GST56S
⑥	20" (50.80 cm) Rafter Swage (Yellow)	4	HT2GST20S
⑦	88" (223.52 cm) Spreader Pole (Red)	8	HT2GST88
⑧	80" (203.20 cm) Leg / Hip Rafter Pole (Green)	16	HT2GST80
⑨	5/8"(1.5875 cm) x 24"(60.96 cm) Hook Stake	8	HT560
⑩	X-Bracing Straps	14	HT531
⑪	Pin & Bail	16	HT570
⑫	Storage Bag Containing Tent Membrane & Floor	1	
⑬	Black Mesh Mosquito Net Sidewalls	4	

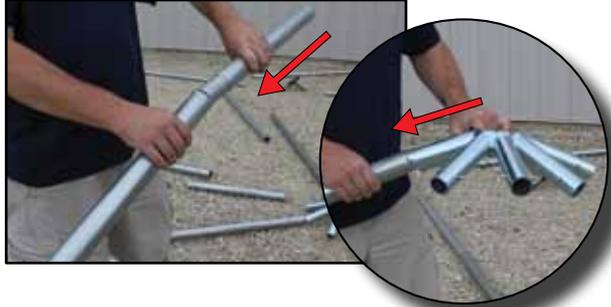
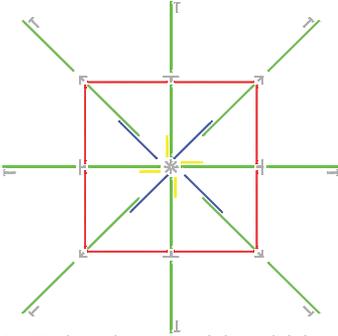
①  QTY. 4	⑤ QTY. 4 	
②  QTY. 4	⑥ QTY. 4 	
③  QTY. 8	⑦ QTY. 8 	
④  QTY. 1	⑧ QTY. 16 	⑩ QTY. 14 
⑪  QTY. 16	⑫ QTY. 1 	⑬ QTY. 4 

PARTS BREAKDOWN



ERECTING PROCEDURE

1. Layout all the fittings and poles. Set the 8 way crown (F048WCHT) so the four blue posts (that do not touch the ground) are pointed towards the corners.
2. Slide the ends of the hip swage pole (Blue/HT2GST56S) onto the hip rafter pole (Green/HT2GST80). Slide the ends of the rafter swage (Yellow/HT2GST20S) onto the remaining hip rafter poles (Green/HT2GST80). Slide the ends of the hip swage poles onto the corner posts on the 8 way crown. Lining up the holes until the push pins engage.



3. Take the combined hip rafter poles (Green/HT2GST80) and slide onto the remaining post slots on the 8 way crown (F048WCHT). Lining up the holes until the push pins engage.



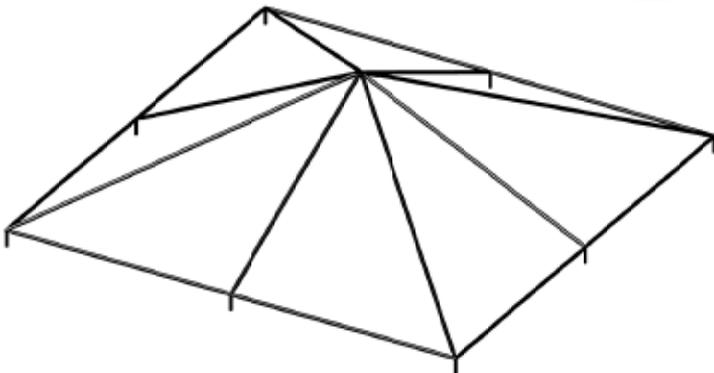
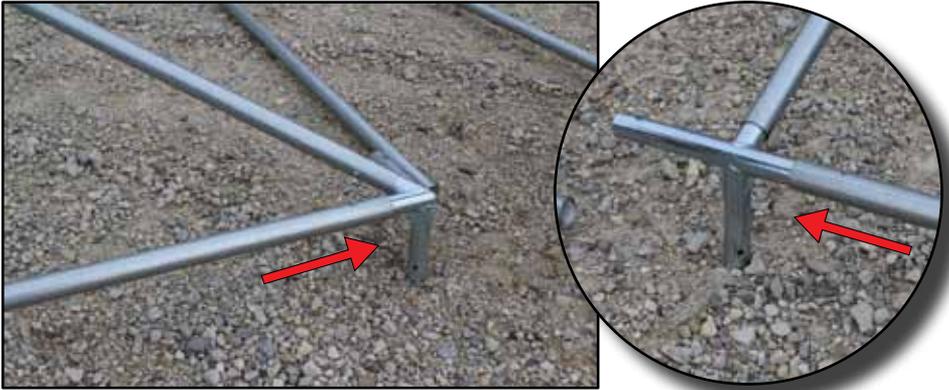
4. Locate all four corner (F01CORHT) fittings and slide the hip rafter poles (Green/HT2GST80) on, lining up holes until push pins engage.



5. Locate and slide all four of the side tee fittings (F02STHT) into the hip rafter poles (Green/HT2GST80). Lining up the holes until the push pins engage.



6. Connect each of the 88" (223.52 cm) spreader poles (Red/HT2GST88) between each corner (F01CORHT) and each side tee fittings (F02STHT) all the way around the perimeter of the frame. Lining up the holes until the push pins engage.



7. Pull the tent top over the frame.

IMPORTANT: *Leave sidewalls on top of frame.*



8. Take all eight of the 80" (203.20 cm) legs (Green/ HT2GST80) and slide one end of each pole into the base plate fittings (F03BPHT) and pin using pin & bail (HT570). Slide the pin through the hole in the base plate and leg hole then connect the bail end around the pin.



9. Lift one side of the frame up and slide the legs (Green/ HT2GST80) with base plates into the bottom of the two corner fittings (F01CORHT) and pin using pin & bail (HT570). Slide the pin through the hole in the corner fitting and leg hole then connect the bail end around the pin.



10. Locate the corner tent top straps, 120" (300 cm) in length (HT531). To attach the tent top strap on a corner take the loop end through both 1½" (3.81 cm) welded D rings on each side, run the rest of the strap through the loop, and pull tight. To reattach a removed tent top strap on a side take the loop end through the 1½" (3.81 cm) welded D ring, run the rest of the strap through the loop and outside slot of the base plate, and pull tight.



11. Lift the other side of the frame up and slide the legs with base plates into the bottom of the remaining corner fittings and pin using pin & bail.



12. Put the other four legs with base plates on the bottom of all of the side tee fittings and pin with pin & bail.



13. Locate the remaining tent top straps, 120" (300 cm) in length, and attach. Attach the loop end through the 1½" (3.81 cm) welded D ring, run the rest of the strap through the loop and outside slot of the base plate, and pull tight.



14. Layout the floor underneath the frame.



15. Attach the floor by snapping the spring snaps to the inside 3/4" hole on each base plate at each corner. Connect the spring snap to the inside slot for remaining poles locations. Connect the hook and loop around the legs and kick the legs out until the floor is tight.



16. Stake the tent by pounding a 5/8" x 24" (1.5875 cm x 60.96 cm) hook stake (HT560) through the outside hole on each base plate.



17. Take the ends of the straps down through the outside slot on each base plate.



18. **NOTE:** *Center tent top before tightening all straps by centering the patch with the 8 way crown.* Tighten each strap by running the tail end of the strap through both D rings and then back through the lower D ring. Pull the tail end downward to tighten. Use a foot if necessary to tighten the straps.



19. Locate the fourteen X-Bracing straps, 148” (370 cm) in length. On each corner and side tee fitting take the loop end through the 1¼” (3.175 cm) welded D rings on either side of the hip/rafter poles, run the rest of the strap through the loop, and pull tight.



20. **NOTE:** *X-Bracing straps go on every bay except the bay with the door.* To find the door bay stand under the center of the tent facing the direction of the roof vent. The door bay is directly in front on the left.



21. Take the strap down to the open slot on the corresponding side of each base plate, and pull tight.



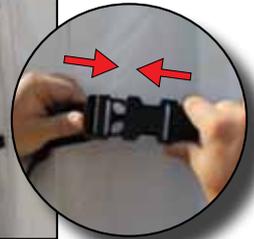
22. Tighten each strap by running the tail end of the strap through both D rings and then back through the lower D ring. Pull the tail end downward to tighten. Use a foot if necessary to tighten the straps.



23. Pull the sides down off of the tent top.



24. Close all corners by connecting all of the side release buckles and tightening. ***NOTE: Door must be closed prior to tightening side release buckles.***



25. Lay sandbags on the sod cloth flap around the perimeter of the tent.



26. To roll up the window flaps unhook the flap from the sidewall and roll up from underneath. Tie off with window tie tie. **NOTE: Make sure to roll in the correct direction to prevent collecting water.**



27. To roll up the door stand inside the tent, tightly roll up on top of the door. Tie off with tie tie.



28. To roll up the sidewall stand inside the tent tightly roll up sidewall and tie off with tie ties.



29. To add mesh sidewalls, velcro mesh sidewalls to flap underneath tent wall and connect all of the side release buckles and tighten.



30. To open the peak vent, loosely hold on to the rope. Walk around to the opposite side of the tent and pull on the rope until the flap is open.



31. To close the peak vent, loosely hold on to the rope. Walk around to the vent side of the tent and pull on the rope until the flap is closed.



32. To use the floor as a liner first flip the floor upside down so the D ring, which is in the middle of the floor, is facing up. Tie a rope or a string to the D ring. Hang the D ring 2-3 feet below the center of the 8 way crown. Attached the spring snaps to the D rings on the fitting or to the wire bail on the pin & bails.



STRIKE PROCEDURE

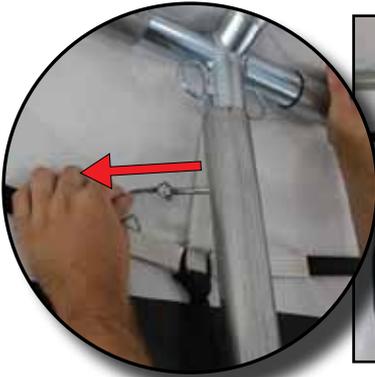
1. Unlock all side release buckles on each corner flap.
2. Loosen and take off all X-Bracing straps (14 total).



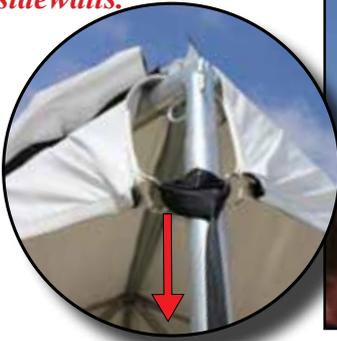
3. Take away the floor by unhooking all of the spring snaps and separating all of the hook and loop. Set off to the side.
4. Pull all of the stakes out of the ground.
5. Loosen all of the tent top straps (8 total) removing the straps from the slots on the baseplates.



6. Remove the four middle legs with base plates and place off to the side.



7. On one side remove both legs with base plates from the corners, place off to the side, and carefully set the frame down. **NOTE: Do not set frame on sidewalls.**



8. Remove the other two corner legs and base plates, place off to the side, and carefully set the frame all the way down. **NOTE: Do not set frame on sidewalls.**



9. Gently remove the tent top from the frame.

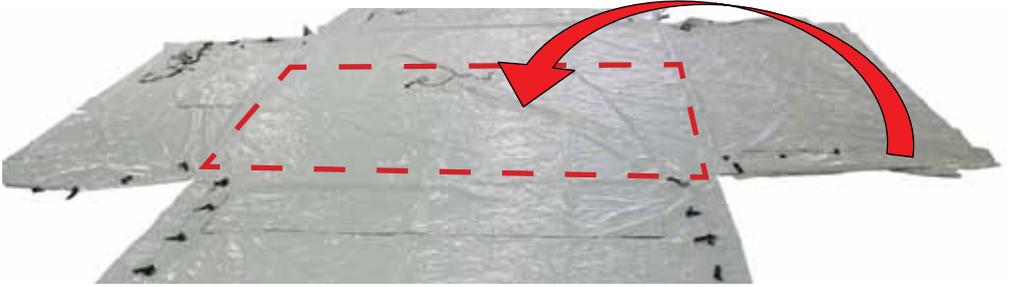
10. Fold up the tent top along with the floor and place them into the storage bag (see **Repackaging Procedure**).

11. Separate all the legs from the base plates.

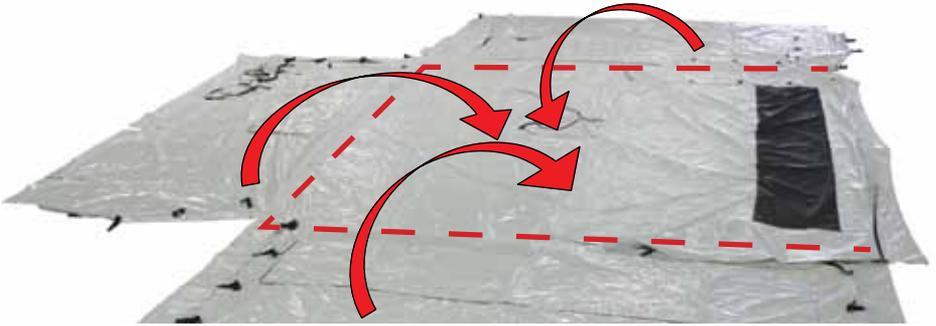
12. Disassemble all of the fittings from the poles by pushing in on the push pins to release them and then sliding the pole off.

REPACKAGING PROCEDURE

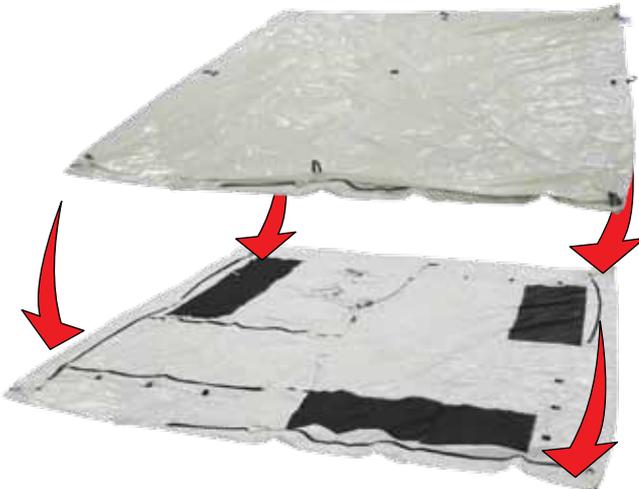
1. Lay the complete HGPTS tent top out as flat as possible.



2. Fold all four sidewalls in towards the center of the tent top.



3. Set the floor on top of the tent top.



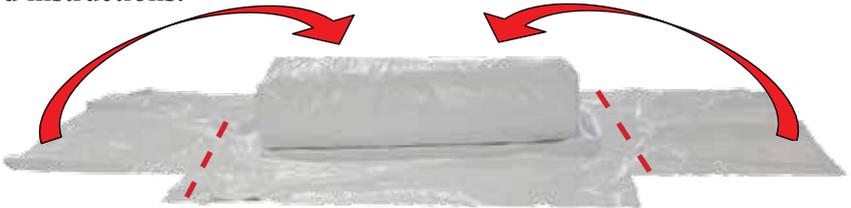
4. Fold the floor and top in half 2 times.



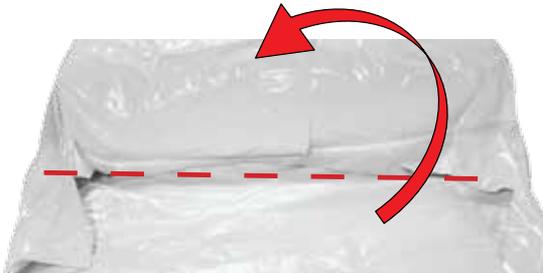
7. Roll as tight as possible.



8. Place the rolled up floor and top in the center of the bag directly on the printed instructions.



9. Connect the male and female side release buckle long way first and pull tight.



10. Join the remaining three side release buckles and pull tight. If the three side release buckles are tightened all the way the bag should fit into the crate.

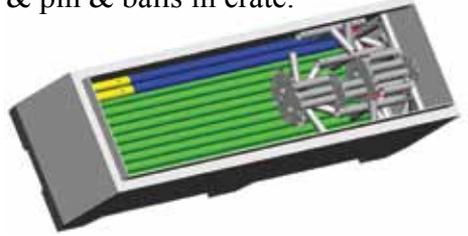


REPACKAGING PROCEDURE CONT.

11. Place all poles in crate.



12. Place all fittings, straps, stakes, & pin & bails in crate.



13. Place tent membrane in crate and close.



REPAIR PROCEDURE

1. To repair a tear in the fabric, first clean the surface where the patch is to be applied. Cut the patch in a circular or oval shape from the vinyl that is included in the field repair kit to cover the tear. The patch should have 2" (5 cm) of material around the outside of the tear.

2. Apply vinyl adhesive to the back of the vinyl patch and press over the desired area. Hold for several seconds to allow adhesion to occur. Make sure all the edges of the patch are glued down to prevent from peeling off.



3. To replace a tie tie, apply vinyl adhesive to a replacement tie tie and press onto tent. Hold for several seconds to allow adhesion to occur.



CARE

If possible, always utilize a drop cloth during erection and striking to avoid possible pin holes. Raise tent uniformly to prevent any possible twisting and turning of the frame otherwise damage may result. Clear the ground of sharp objects before laying the floor to avoid possible damage. Remove any items from the interior of the tent before striking. During striking avoid setting the tent frame on top of tent top fabric. When storing for long periods of time, dry the tent top to prevent mildew. Steer clear of catching any fabric on corners and edges that could result in tearing.

SAFETY

All components meet ASTM-D 6413-99 – Standard Test Method for Flame Resistance of Textiles (Vertical Test). All Vinyl is non-toxic.

Prior to installation the user should examine the installation site to determine the proper securing and anchoring methods. Guy lines and frame must be staked properly on all four corners based on current and future weather conditions to prevent movement in high winds and possible personal injury or physical damage. The tent should also be staked properly if left unmonitored for any length of time or if it is going to remain erect for longer than several days. A minimum of two rows of sandbags are required (sandbags not included). The complete tent is heavy. One person should be placed at each corner, at a minimum, when moving or positioning tent.

Safety Features:

- Fungus and Mildew Resistant
- Flame Retardant
- Ultra Violet Resistant

REPLACEMENT PARTS

Tie Ties – HT260

Tent Top Straps – HT131

X-Bracing Straps – HT531

5/8" x 24" (1.5875 cm x 60.96 cm) Hook Stakes – HT560

1/4" (0.635 cm) Black Rope – 10079

Side Release Buckles (Male & Female) – HT935

Roof Vent – HT108

Floor – HT305

Tent Bag – HT790

ACCESSORIES

Field Repair Kit– ACVRKHT





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