

Humanitarian and General Purpose Tent (HGPT)

NSN: 8340-01-535-6379

INSTRUCTION MANUAL

ERECTION AND STRIKE PROCEDURES



Manufactured By:
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TABLE OF CONTENTS

Introduction.....	3-4
Photo Gallery.....	5,31
Parts Breakdown.....	6-7
Erecting Procedure.....	8-20
Strike Procedure.....	21-23
Repackaging Procedure.....	24-27
Repair Procedure.....	28
Care and Safety.....	29
Replacement Parts / Accessories.....	30

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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:

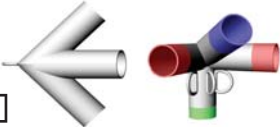

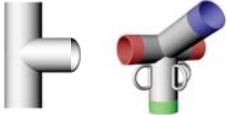



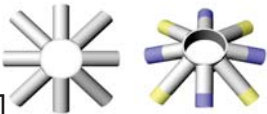





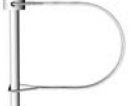
- ◆Dimensions: 16'L x 16'W x 7'0-11'H (eave to peak)
- ◆Floor Area: 256 square feet
- ◆Shelter is 100% Berry Amendment compliant
- ◆Erection: 4 people takes 30 minutes
- ◆Fabric: MIL-PRF-20696 Vinyl laminate
- ◆Color: Desert tan or olive drab
- ◆Internal frame supported shelter that is capable of withstanding 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.
- ◆Complete unit is packaged in a transit container 24" in width, 102" in length, and 18.5" in height. Weight of loaded container is 630 lbs. and has 14.5 ft.³ of usable storage space. Transit container is reusable and provides protection during transport and storage.
- ◆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.

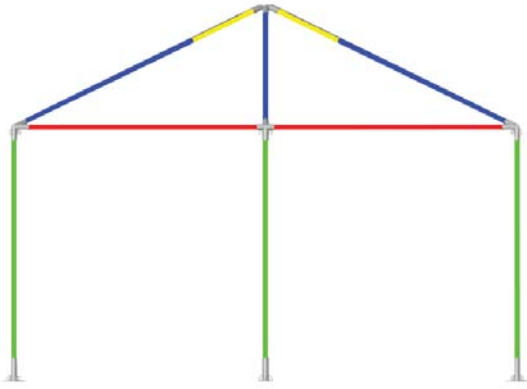
- ◆Pin-less Frame Structure: Structure is held together with tension of the X-Support webbing and a perimeter rope & rope lock.
- ◆Only tool required for erection is a hammering device (hammer, mallet, rock)
- ◆Super duty framework which consists of fittings constructed with 14ga x 2.125” diameter galvanized 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. Adjustable baseplates allow for varying levels of terrain preventing transportation of additional pole lengths.
- ◆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



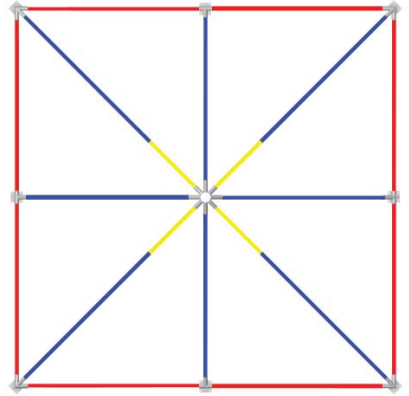
PARTS BREAKDOWN

	DESCRIPTION	QTY.	PART #
1	Corner Fitting	4	RDS-F-01-COR
2	Side Tee Fitting	4	RDS-F-02-ST
3	Base Plate	8	RDS-F-03-BP
4	8 Way Crown Fitting	1	RDS-F-04-8WC
5	97" (246.38cm) Hip and Rafter Pole	8	HT-501
6	92" (233.68 cm) Spreader Pole	8	HT-502
7	82" (208.28 cm) Leg	8	HT-503
8	40" (101.6 cm) Hip Swage Pole	4	HT-504
9	5/8"(1.5875 cm) x 24"(60.96 cm) Hook Stake	8	HT-560
10	Rope Lock with Rope	1	HT-550
11	X-Bracing Straps	14	HT-531
12	Pin for Adjustable Base Plates	8	HT-570
13	Storage Bag Containing Tent Membrane & Floor	1	

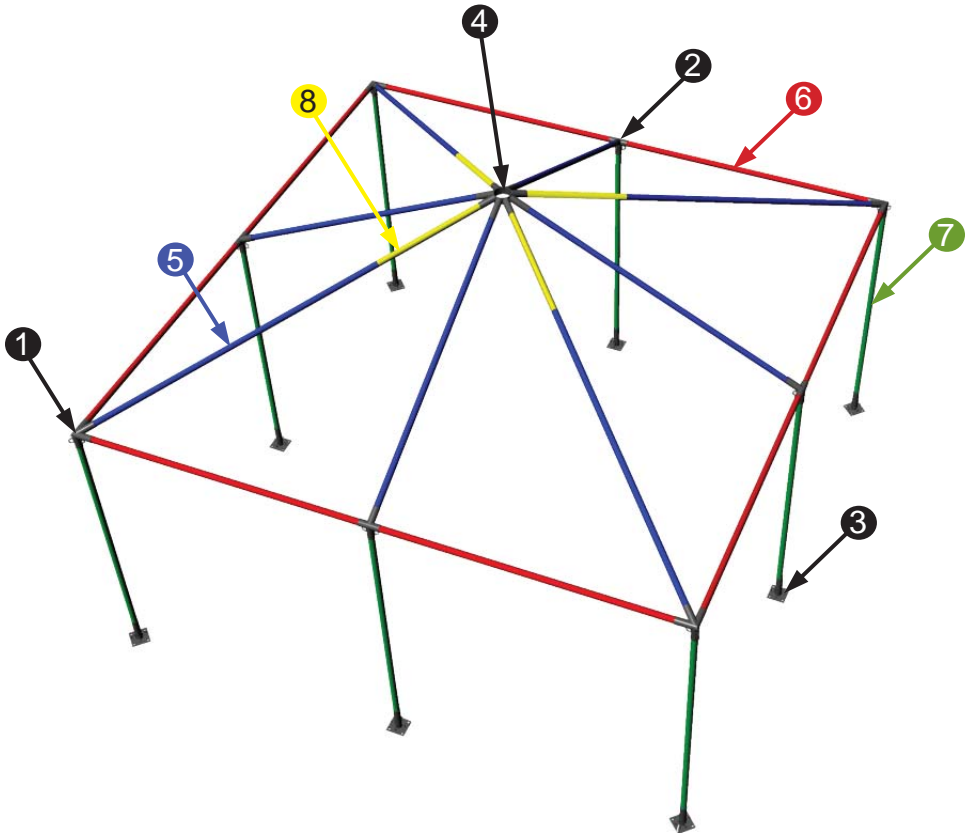
<p>1</p>  <p>QTY. 4</p>	<p>5</p> <p>QTY. 8</p> 
<p>2</p>  <p>QTY. 4</p>	<p>6</p> <p>QTY. 8</p> 
<p>3</p>  <p>QTY. 8</p>	<p>7</p> <p>QTY. 8</p> 
<p>4</p>  <p>QTY. 1</p>	<p>8</p> <p>QTY. 4</p> 
<p>9</p>  <p>QTY. 8</p>	<p>10</p>  <p>QTY. 1</p>
<p>13</p>  <p>QTY. 1</p>	<p>11</p>  <p>QTY. 14</p>
	<p>12</p>  <p>QTY. 8</p>



SIDE VIEW

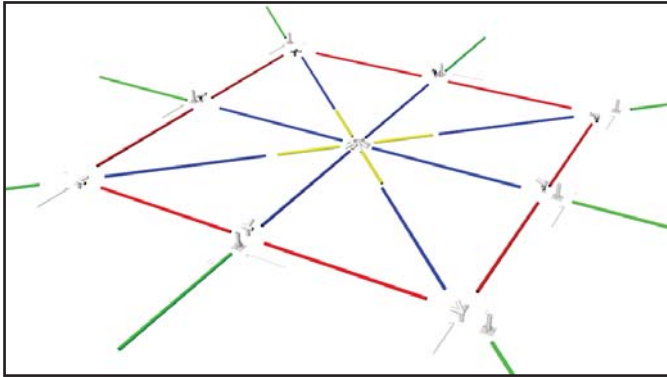


TOP VIEW

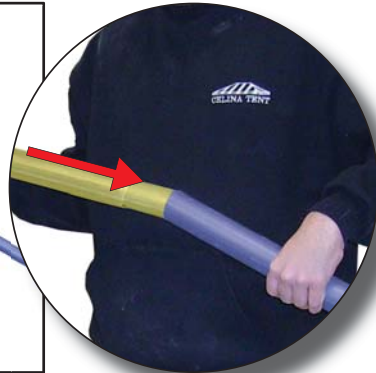


ERECTING PROCEDURE

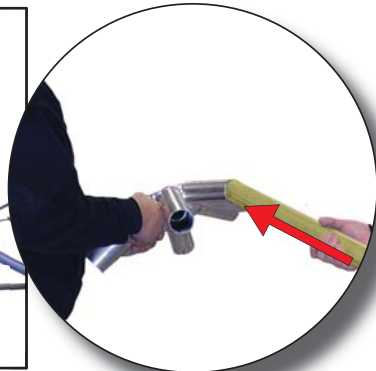
1. Layout all the fittings and poles according to the diagram.



2. Take four of the 97” (246.38 cm) hip/rafter poles (HT-501) and connect one blue end to the swage of the yellow end of the four 40” (101.6 cm) hip swage pieces (HT-504).



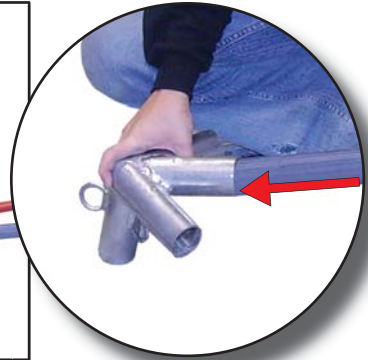
3. Slide the yellow ends of the connected poles into the yellow slots on the 8 way crown (RDS-F-04-8WC).



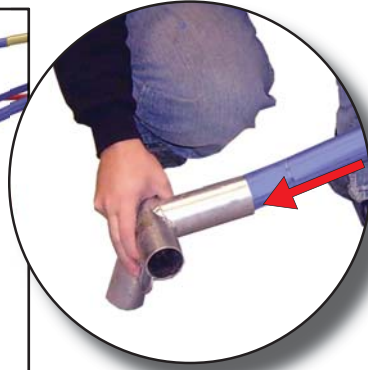
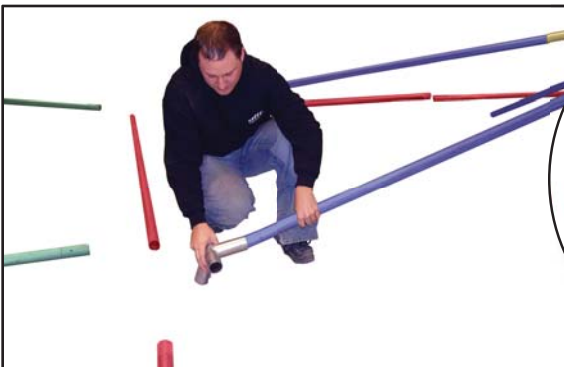
4. Take the remaining four 97" (246.38 cm) hip/rafter poles and slide the blue ends into the blue end slots on the 8 way crown.



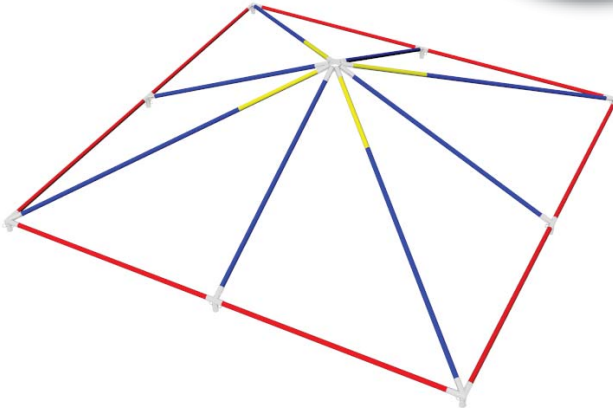
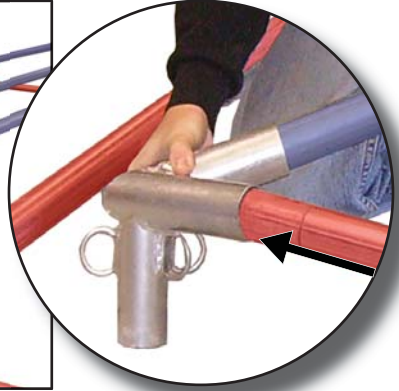
5. Locate all four corner fittings (RDS-F-01-COR) and slide the blue slots into the remaining blue ends of the connected poles at each corner.



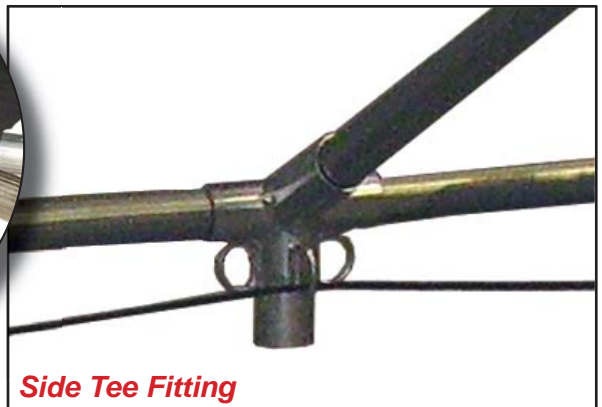
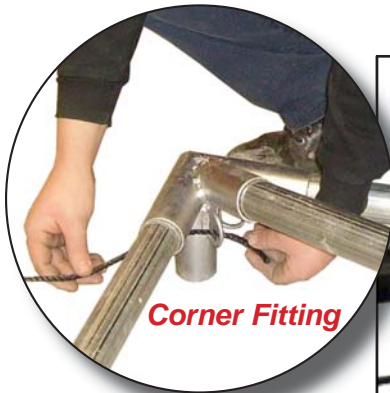
6. Locate and slide all four of the side tee fittings (RDS-F-02-ST) blue slots onto the remaining blue ends of the 97" (246.38 cm) poles.



7. Connect each of the 92" (233.68 cm) spreaders (HT-502) red ends between each corner red slots and each side tee fittings red slots all the way around the perimeter of the frame.



8. Run the ropelock through each 1¼" (3.175 cm) welded D ring located on the inside of each corner and side tee fitting.



9. Tighten the rope as tight as possible.



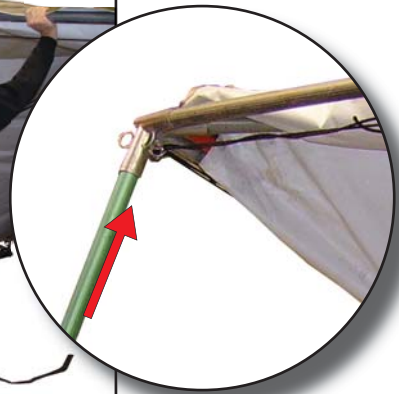
10. Pull the tent top over the frame. Slip the 1/4" (0.635 cm) rope on the upper corner of the tent top over the outside 1 1/4" (3.175 cm) welded D ring on each corner fitting. **IMPORTANT: Leave sidewalls on top of frame.**



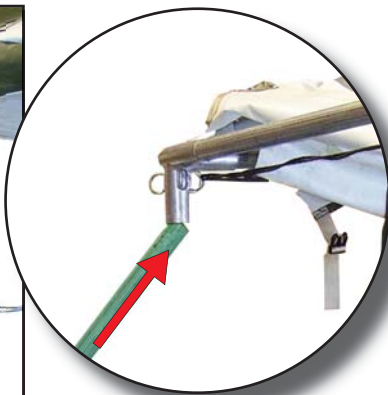
11. Take all eight of the 82” (208.28 cm) legs (HT-503) and slide one green end of each pole into the green slots on the base plate fittings (RDS-F-03-BP).



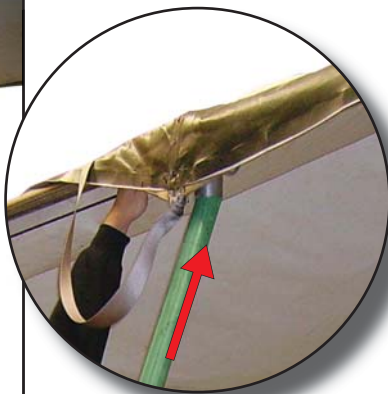
12. Lift one side of the frame up and slide the green ends of two of the 82” (208.28 cm) legs with base plates into the green slots on the bottom of the two corner fittings.



13. Lift the other side of the frame up and slide the green ends of two more of the 82” legs with base plates into the green slots on the bottom of the remaining corner fittings.



14. Put the other four green ends of the 82” (208.28 cm) legs with base plates into the green slots on the bottom of all of the side tee fittings.



15. Adjust the height of each leg if necessary by lifting the leg and inserting the pin & bail into the desired hole on the baseplate.



16. Layout the floor underneath the frame.



17. Attach the floor by snapping the spring snaps to the inside 1¼” (3.175 cm) welded D ring on each base plate. Connect the hook and loop around the legs and kick the legs out until the floor is tight.



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



19. Locate the eight tent top straps, 120" (300 cm) in length, that are already attached to the tent top. To reattach a removed 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 pull tight.



20. Take the ends of the straps down through the outside 1¼" (3.175 cm) welded D ring on each base plate.



21. **NOTE:** *Center tent top before tightening all straps by centering the patch with the 8 way crown (RDS-F-04-8WC).* 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.



22. 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.



23. **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.



24. Take the strap down to the 1¼” (3.175 cm) welded D ring on the corresponding side of each base plate, and pull tight.



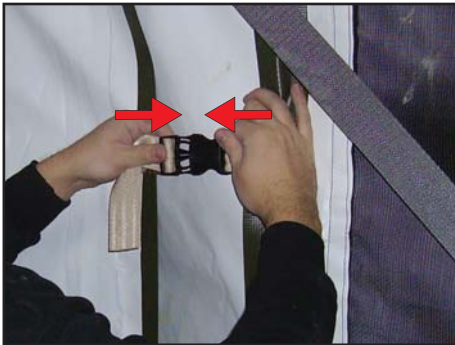
25. Tighten each strap by running the tail end of the strap through both D rings and then back through the lower D ring. Pull the tail end downward to tighten. Use a foot if necessary to tighten the straps.



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



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



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



29. 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.**



30. To roll up the door stand inside the tent, tightly roll up on top of the door. Flap rolled up door over the top of the 1/4" (0.635 cm) rope.



31. To open the peak vent, loosely hold on to the ¼” (0.635 cm) rope. Walk around to the opposite side of the tent and pull on the rope until the flap is open. Tie rope off onto 1¼” (3.175 cm) welded D ring on the outside of one of the corner fittings.



32. To close the peak vent, loosely hold on to the ¼” (0.635 cm) rope. Walk around to the vent side of the tent and pull on the rope until the flap is closed. Tie rope off onto 1¼” (3.175 cm) welded D ring on the outside of one of the corner fittings.



STRIKE PROCEDURE

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



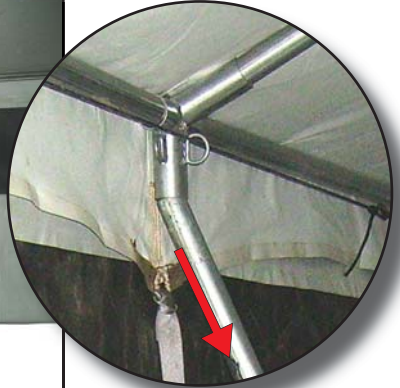
3. Take away the floor by unhooking all of the spring snaps and separating all of the hook and loop. Set off to the side.



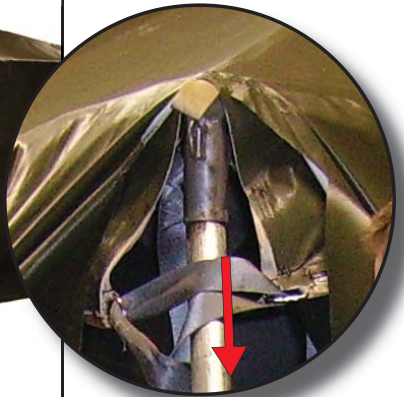
4. Pull all of the stakes out of the ground.
5. Loosen all of the tent top straps (8 total) removing the straps from the D rings on the baseplates.



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. Unlock the Ropelock and run the rope back through all of the 1¼” (3.175 cm) welded D rings to remove it. To unlock the ropelock pull on the rope tail while pressing the release lever on the ropelock.



12. Separate all the legs from the base plates.

13. Disassemble all of the fittings from the poles.

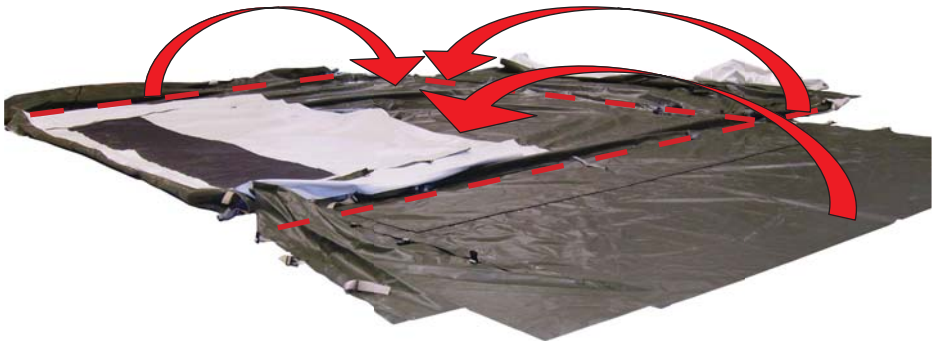
14. Disconnect the four hip/rafter poles from the four swage poles.

REPACKAGING PROCEDURE

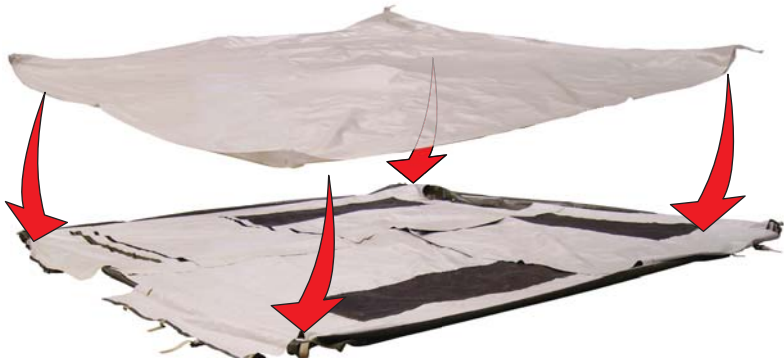
1. Lay the complete HGPT tent top out as flat as possible.



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.



5. Fold in half the opposite way.



6. Fold in half again, the same direction as the previous fold.



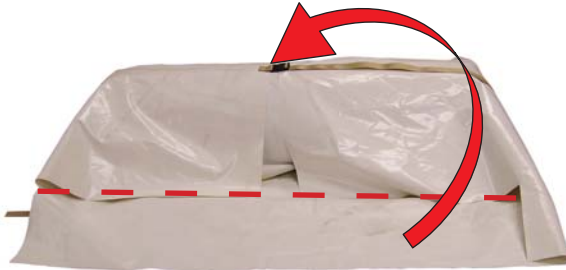
7. Roll as tight as possible.



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.



11. Arrange all poles into the crate first, starting with the longest and stacking evenly across.



12. Place bag into the crate.



13. Position all of the stakes and fittings into the crate.



14. Place any remaining items (Ropelock, X-Bracing Straps, etc.) into the crate last.

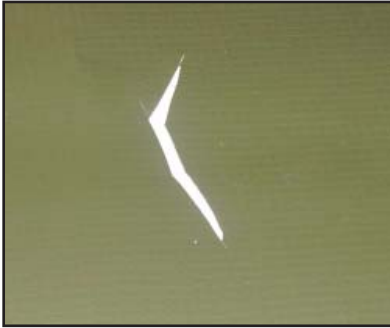


15. Fasten the cover on the top of the crate before loading.

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).

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

Frame Fittings

Corner – RDS-F-01-COR

Side Tee – RDS-F-02-ST

Base Plate – RDS-F-03-BP

8 Way Crown – RDS-F-04-8WC

Frame Poles

97” (246.38 cm) – HT-501 (blue/blue)

92” (233.68 cm) – HT-502 (red/red)

82” (208.28 cm) – HT-503 (green/green)

40” (101.60 cm) – HT-504 (yellow/yellow)

Tie Ties – HT-260

Tent Top Straps – HT-131

X-Bracing Straps – HT-531

Ropelock – HT-550

5/8” x 24” (1.5875 cm x 60.96 cm) Hook Stakes – HT-560

Adjustable Base Plate Pin – HT-570

¼” (0.635 cm) Black Rope – HT-930

Side Release Buckles (Male & Female) – HT-935

Roof Vent – HT-108

Floor – HT-305

Tent Bag – HT-790

ACCESSORIES

Field Repair Kit– HT-VRK







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