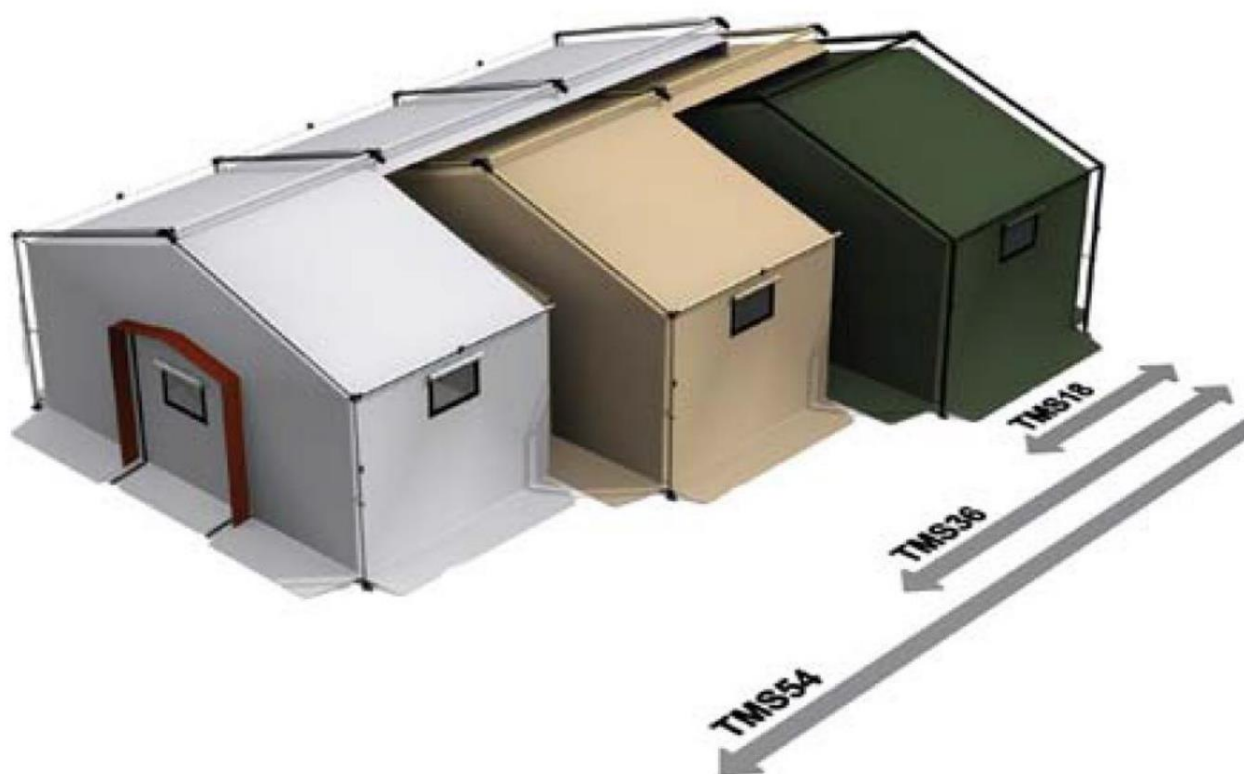




ASSEMBLY INSTRUCTIONS

TMS 18 36 54 SHELTER



STRENGTH

INNOVATION

RELIABILITY



ASSEMBLY INSTRUCTIONS

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EQUIPMENT DESCRIPTION



Frame is made of :

- One (1) Roof Assembly - Ridge Hinge Assemble, Roof Arches, Ridge Purlins, and Eave Purlins.
- Eight (8) Side Arches - hold up the roof assembly and each has foot to level the tent and also for staking
- Which means a total of 9 parts for the frame.

The dimension of the deployed frame is :

- 9,00 m x 6,00 m on the ground, which means a ground surface of 54 m².
- Frame is made from Aluminium.
- Profiles are made from alloy 6060 T5 (AFNOR - EN 573 standard)
- RAL 6014 lacquering (Epoxy powder) for military version.
- Mechanical parts are entirely made in machining process in AU 2017
- The surface finish for salt resistance is made by anodising (matte black)
- Axles and screws are in stainless steel.

Canvas

Canvas is made from 480 g/m² polyester PVC coated on both sides. The canvas parts are assembled by high frequency welding.

Canvas is mildew and UV resistant. It withstands temperatures between -30 and +70°C.

The shelter includes a groundsheet and a roof net to hang some elements like lights, electrical boxes, inner liner, etc.

Both elements are integral parts of the canvas but are removable. It is packed in a carrying bag with handles.

Shelter applications

The shelter can be used between -30° et +50°C.

When stacked, the shelter can withstand 110 km/h wind. However, if the wind exceeds 50 km/h during the set-up, the frame should be stacked. It is water and UV resistant.

SHELTER SETTING-UP

(minimum 4 persons by tent)

Frame setting-up



Position the frame bag in the middle of this area. Place the longest length of the bag in the same direction as the desired length of the tent when erected.

You will need a 10 x 8 m setting-up area.



Open the frame bag and remove the side arches with integrated feet. Place 4 side arches on either side of the cleared area about a distance of 3 meters from the center.



Unfold the roof frame assembly by unfolding the side arches while leaving the ridge hinges resting on the ground to limit the effort required to unfold.



Raise the roof frame upright so it is resting on the eaves. Remove the frame bag and place it outside the cleared set-up area.



Ridge connection bars

Self-locking mechanism

Deploy the roof frame by grasping the ridge hinge at both ends, lifting slightly off the ground, and pulling away from the center. The eave purlins will lock into place automatically. The eave purlins will be held in place mechanically which gives rigidity to the roof assembly.



Slip the Velcro band down and release the ridge purlins. Grasp the two pieces of the ridge purlin. Rotate 90° while lowering it to the ground. Repeat this procedure on the other 2 ridge purlins.



Grab the 2 pieces of the ridge purlin and slide the male connector into the corresponding piece of the ridge purlin. When the pieces are assembled, as added safety use the Velcro strip across the connection.



Roof arche

Repeat this procedure for the other 2 ridge purlins. The roof assembly is complete. The roof frame will be in the configuration shown to the left. Now, you have to slide out the telescopic part of the roof arch. It has to be done simultaneously by 4 people.

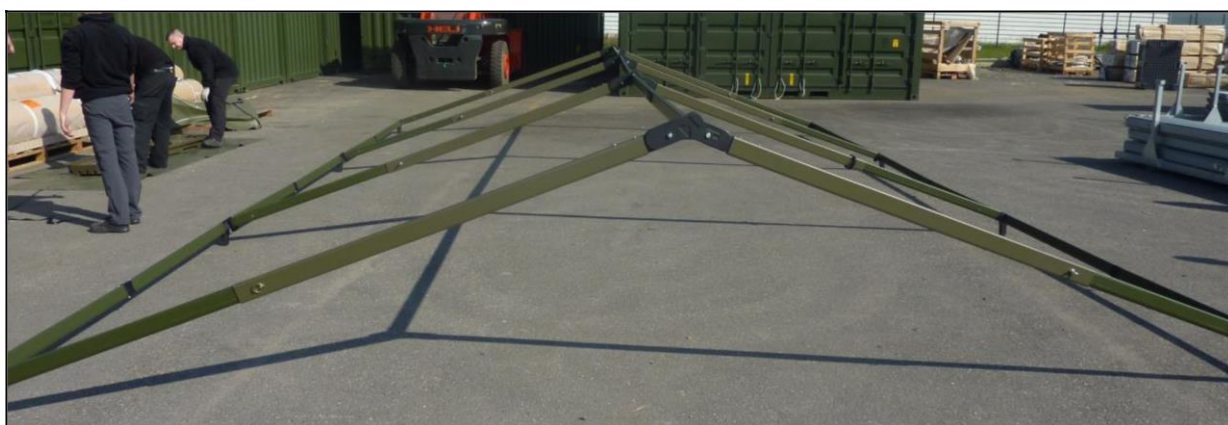


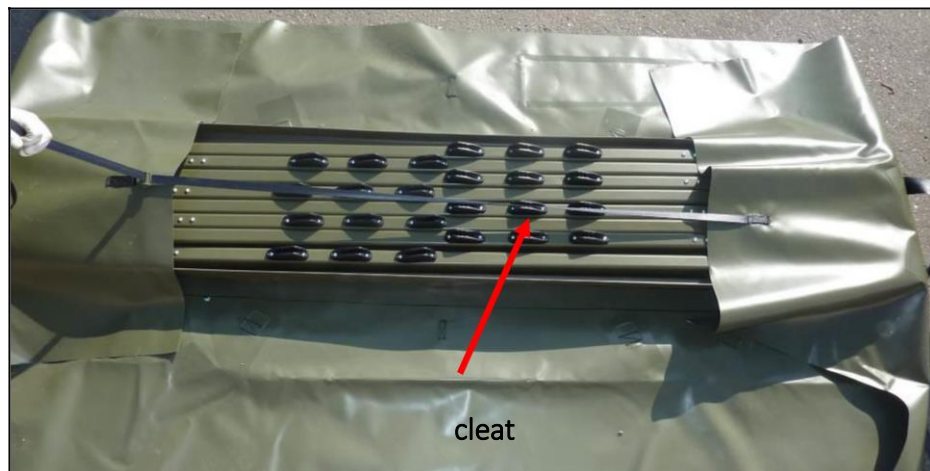
Take the safety pin and the axle off.
Slide out the telescopic part until positioning the next hole in front of the external bar hole. Replace the axle and the safety pin.
Repeat this procedure on the opposite side of the roof.

Frame with one side out



Frame with both sides out





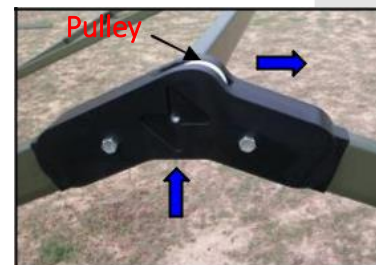
You now have to slot the leg profiles on the correct side (see below explanations) lifting the frame by 4 people.

The cleats (black plastic parts fixed on each leg profile) must face toward the outside.



Rope passage

The side which has to be set-up first will be defined by the ridge, referring to the rope passage direction. You will position first the four feet on the side of the rope passage.



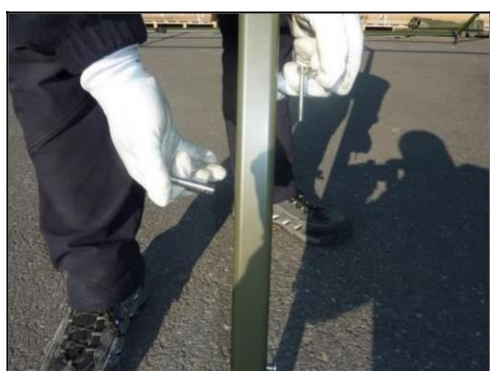
Rope passage direction

With 4 people: each one takes a foot, lift the frame and slot the leg profile into the frame.





Slide the leg profiles' telescopic part out in the same way that for the roof arches.



Take the safety pin and the axle off on the 4 leg profiles.
Lift the frame simultaneously until Positioning the next hole in front of the External bar hole.
Replace the safety pin and the axle.



The frame is now in this configuration



Canvas setting-up

Now, you will start to set-up the canvas. The first step is to position the bag under the frame under the end ridge (as shown on the picture)

Then you will have to unroll the canvas from a frame end to the other.



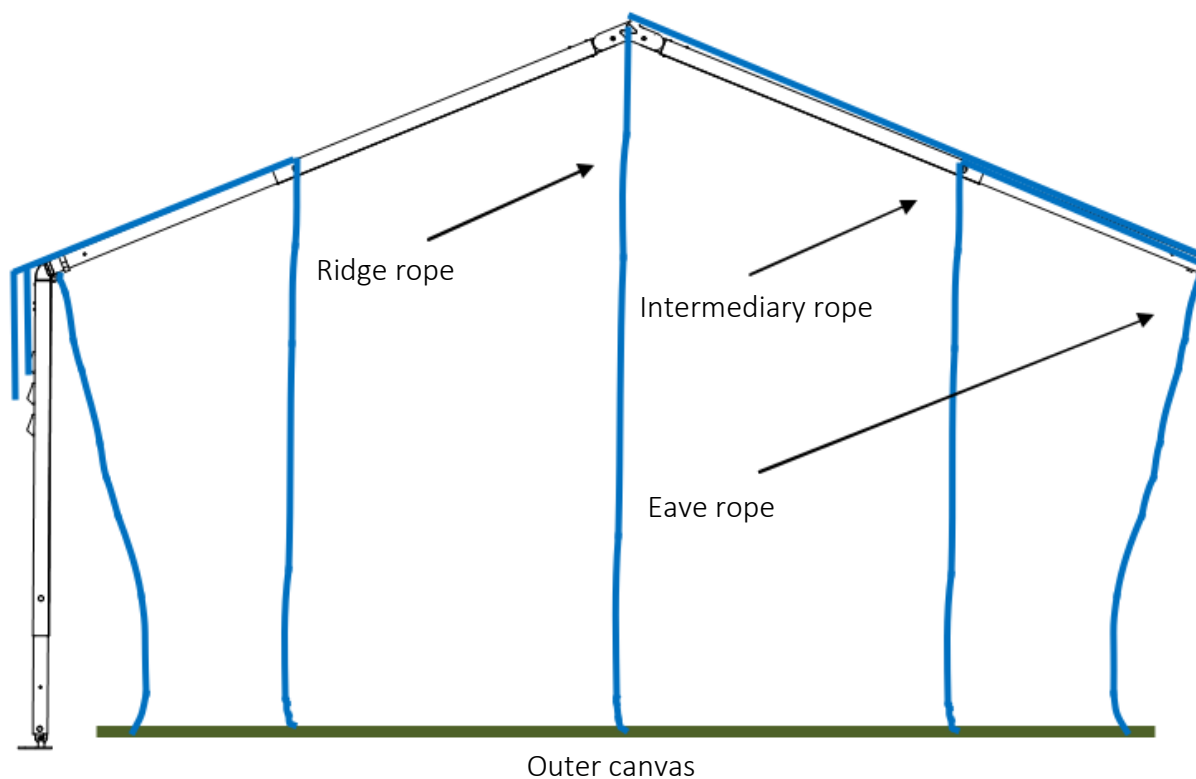
Open the bag and unroll the canvas along the entire length. Remove the bag and place it outside the set-up area.



Unfold the canvas and grab the tension ropes.



Tension ropes setting-up principle



Put the ridge rope along the pulley and the intermediary ropes through the adapted ring and pull them till the end of the frame passing on the top till the cleat. Let the rope stick out by 10 cm.



With 4 people : each one takes a foot, lift the frame and slot the leg profile into the frame.

Slide the telescopic bar as already done.





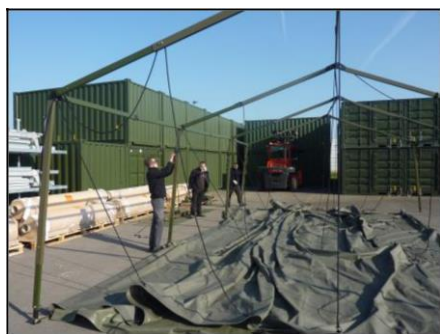
Take the ground sheet green straps and then pull them till the frame feet.



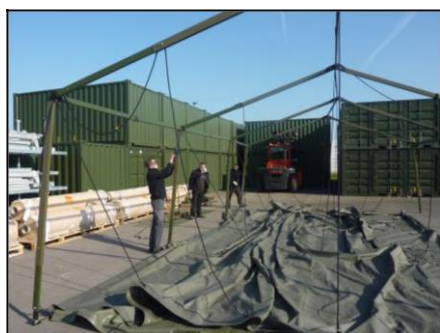
Lift the foot and pass the green strap under and around it.



Locate the black bungee which is attached near the green strap. Place it around the axle.



Grab the eave rope and pass it through the ring located on the frame corners.



Once you have finished this process on the 4 feet, do the same on the other side feet.
The tent is now in this configuration.

To stretch the canvas, still with 4 people, pull simultaneously the 4 ridge ropes to raise the ridgeline of the canvas. Do not hesitate to put a foot on the side arch to gain leverage. Then you have to pull one after the other the ridge, intermediary and eave ropes. Block the ropes in the cleats.



NB : when the shelter is equipped with an inner liner (or NBC liner), it is necessary to pull the canvas to a light tension and then check inside if nothing would block the full tension.



Take the half-height bungee and fasten it around the leg profile.



Doors roll-up



Roll the doors up to the and hang the fastening straps on the canvas hooks.



Pull simultaneously on the feet to stretch the groundsheet.



STACKING

IMPORTANT : CLOSE THE DOORS BEFORE STACKING



Stakes « angles »

There are 8 and are provided to stake the shelter in soft ground like soil.



Stakes « pins »

There are 16 and are provided to stake the shelter in hard ground conditions.



Staking straps

There are 8 staking straps which will be fixed to the ring on the top of each foot and in the ground thanks to the stakes.

Fix a « pin » tpe stake on each foot plate and then stake the shelter with a ground adapter stake (« pin » or « angle »).

Fasten the stacking straps following this scheme.



SHELTER DISASSEMBLY

Inner equipment

- Unplug and remove the neons and the electrical box.
- Remove all the equipment placed inside the tent like table, chairs, beds, etc.

Outer equipment

- Remove air conditioning or heating system and their ducts
- Remove stakes and staking straps

Canvas disassembly

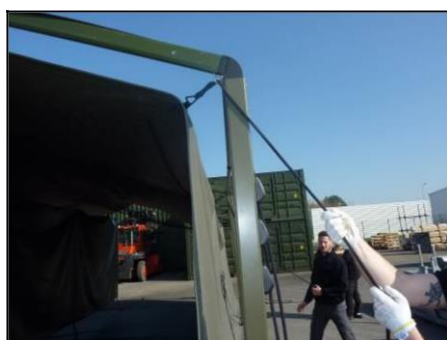
First of all, ensure that all equipment have been removed from the inside of the shelter.



Ensure that all the doors are lowered and unzipped, this will allow the air to escape when lowered.



Remove all half-height bungees.



Simultaneously, with 4 people, release the eave ropes.



Simultaneously, with 4 people, release the intermediary ropes.



Do the same operation on the other side.

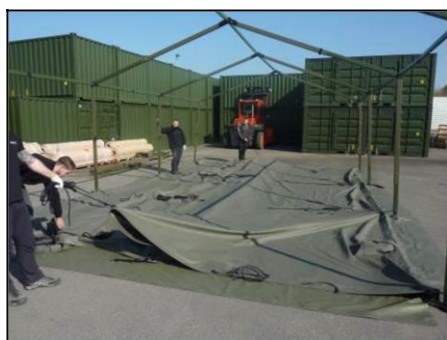




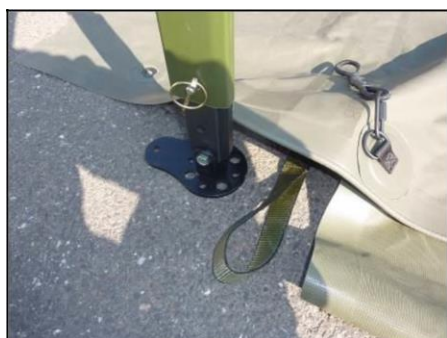
Now release the ridge rope.



Take all the ropes, roll them and lay them on the canvas.



Pull the 2 ridge ropes at the same time with a 45° angle to give the rectangular form to the fabric.
Do the same on the other side.
Lay the doors on the canvas.
Avoid the fabric stacks.
Make sure that the canvas
Make sure the fabric is fully in.



On each foot, take the bungee and the groundsheet strap off.



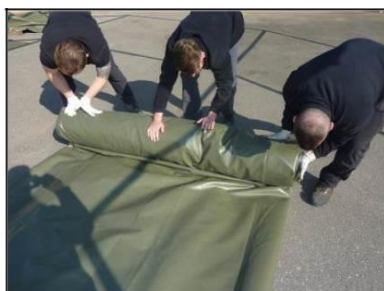
With 2 people, take the exterior groundsheet straps and fold 1/3 of the canvas.
Repeat the operation on the other side.



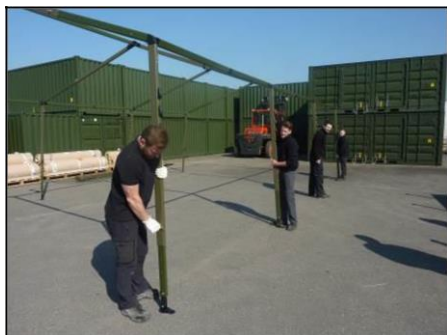
Before rolling the canvas, place the bag under it.



Then 3 people have to roll the canvas entirely and tightly, remaining aligned. Center the canvas on the bag and seal it.



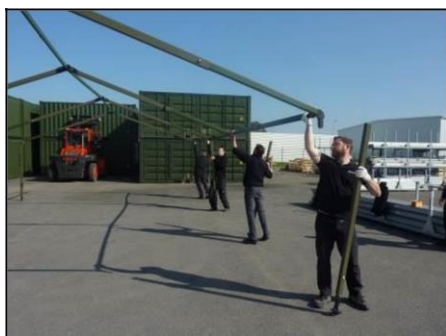
Frame disassembly



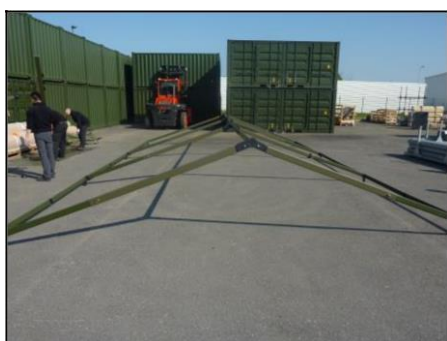
With 4 people on the same side, take the safety pin and the axle off. Slide the telescopic part in and replace the safety pin and the axle.



Repeat this procedure on the other side.



With minimum 4 people on the same side, raise the frame and take the leg profile off simultaneously. Lower the roof frame on to the ground while taking care that the 4 leg profiles were taken off.



Repeat this procedure on the other side.





On each side, take the safety pin and the axle off, slide the telescopic part in and replace the safety pin and the axle.



For each span, remove the ridge connection bars.

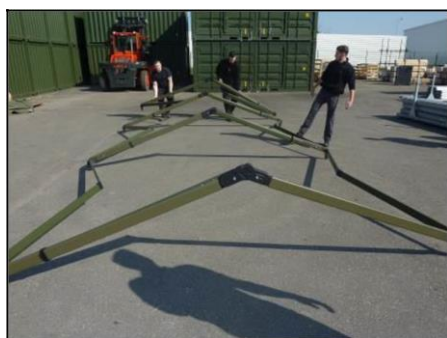


Fold down the bars on their respective sides and fasten them with the Velcro.



Release the mechanism of the eave purlin by moving the button parallel. While the mechanism is released, fold up the arm slightly. Repeat on each eave purlin.





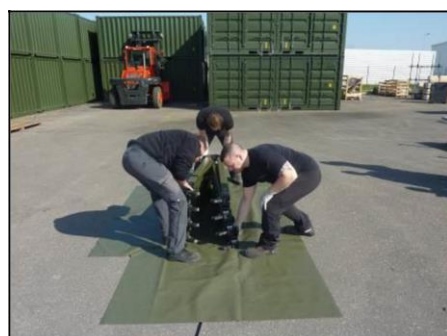
Fold up the frame by grabbing the end ridge and bringing them towards the center of the roof assembly.



Position the frame bag under the frame and lay on the bag.



Fold the rod arches in together and center it on the bag.



Close the carrying bag.



Arrange the leg profiles with the orientation alternated as for the image. Take care of putting the cleats upward.