CLAIMS

What is claimed is:

1. A tent comprising:

a tent structure comprising

two or more arched lattice frames each supported at an elevated position above a ground by at least one upright truss;

a plurality of straight frames mounted between two adjacent arched frames; and

at least one tracker system mounted onto a top of the arched frame, wherein the tracker system has a tracker slot throughout a length of the arched frame;

wherein a setup and dismantling of the tent structure is always performed at lower level at which the arched frames are upright on the ground; ~~and~~

at least one roof canvas installed over the tent structure, wherein sides of the roof canvas along the length is inserted from one side of the tracker system into the tracker slots of adjacent arched frames and then reeled in from other side of the tent structure to cover a top of the tent structure; and

a plurality of rods connecting a center top straight frame and at least one straight frame adjacent to the center top straight frame, to support a center of the roof canvas laid over the tent structure.

~~2. The tent of claim 1 further comprises a plurality of rods connecting a center top straight frame and at least one straight frame adjacent to the center top straight frame, to support a center of the roof canvas laid over the tent structure.~~

~~3.~~2. The tent of claim 1 is configured during setup to:

initially positionthe two or more arched lattice frames upright on the ground;

mount the straight frames between the adjacent arched frames to form the tent structure;

lay the roof canvas over the tent structure;

lift the tent structure with the roof canvas above the ground at an elevated position; and

support each arched frame in the tent structure using the upright truss.

~~4.~~3. The tent of claim ~~3~~2is further configured during setup to connect each arched frame to a lifting and lowering system to lift the tent structure.

~~5.~~4. The tent of claims 1 to ~~4~~3, wherein the upright truss supports the tent structure at elevated position by connecting one end of the upright truss with the arched frame and other end resting on the ground.

~~6.~~5. The tent of claims 1 to ~~5~~4, wherein the tent structure with the roof canvas is lifted up by at least:

lifting one side of all the arched frame in the tent structure and then lifting all the arched frame at other side of the tent structure; or

lifting all the arched frames at both the sides in synchronization.

~~7.~~6. The tent of claims 1 to ~~6~~5 is configured during dismantling to:

remove the roof canvas over the tent structure;

remove the upright truss at each end of the arched frame;

lower the tent structure from the elevated position to the ground;

dismantle the straight frames between the two arched frames; and

dismantletwo or more arched frames.

~~8.~~7. The tent of claim ~~7~~6further comprises connecting each arched frame to theliftingand lowering system to lower the tent structure.

~~9.~~8. The tent of claim ~~7~~6further comprises removing the roof canvas after lowering the tent structure.

~~10.~~9. The tent of claims 1 to ~~9~~8, wherein the tent structure is lowered by at least:

lowering one side of all the arched frames in the tent structure and then lowering all the arched frames at other side of the tent structure; or

lowering all the arched frames at both the sides in synchronization.

~~11.~~10. The tent of claims ~~4~~ 3 to ~~10~~9, wherein the lifting and lowering system is a chain block or automated pulley system.

~~12.~~11. The tent of claims ~~4~~ 3 to ~~10~~9, wherein the lifting and lowering system is a hydraulic system.

~~13.~~12. A method for setting up a tent structure comprising:

placing two or more arched lattice frames upright on a ground, wherein each arched frame has at least one tracker system with a tracker slot mounted on a top of the arched frame;

mounting a plurality of straight frames between two adjacent arched frames to form a tent structure;

connecting a center top straight frame and its adjacent straight frame before laying at least one roof canvas, using a plurality of rods to the support roof canvas laid over the tent structure;

laying ~~at least one~~ the roof canvas over the tent structure between two adjacent frames of the tent structure;

lifting the tent structure at an elevated position by connecting_tracker system of each arched frame to aliftingand lowering system; and

supporting the tent structure using an upright truss.

~~14.~~13. The method of claim ~~13~~12further comprises inserting the sides of the roof canvas along a length from one side of the tracker system into the tracker slots of adjacent arched frames and then reelingin from the other side of the tent structure to cover a top of the tent structure.

~~15. The method of claim 13 further comprises connecting a center top straight frame and its adjacent straight frame before laying the roof canvas, using a plurality of rods to support the roof canvas laid over the tent structure.~~

~~16.~~14. The method of claim ~~13~~ 12 further comprising assembling the upright truss and the straight frames at the ends of the arched frame at a safer reachable height in the elevated tent structure using a climbing device of a safer height.

~~17.~~15. The method of claim ~~13~~ 12 further comprising:

temporary supporting the arched frames using at least one support rod to facilitate installation of the tent structure atthe ground level;

tightening the arched frames and the straight frames together with at least one fastener; and

removing the support rod before lifting.

~~18.~~16. The method of claim ~~13~~12, wherein the tent structure with the roof canvas is lifted up by at least:

lifting one side of all the arched frame in the tent structure and then lifting all the arched frame at other side of the tent structure; or

lifting all the arched frames at both the sides in synchronization.

~~19.~~17. The method of claim ~~13~~12, wherein the roof canvas is laid over the straight frame by at least:

laying on each space between the adjacent arched frames one by one; or

laying on all the spaces between the adjacent arched frames together.

~~20.~~18. The method of claim ~~13~~12, wherein the entire tent structure is assembled at the ground level and then elevated above the ground using the liftingand lowering system.

~~21.~~19. The method of claims ~~13~~ 12 to ~~20~~18, wherein the lifting and lowering system is a chain block or automated pulley system.

~~22.~~20. The method of claims ~~13~~ 12 to ~~20~~18, wherein the lifting and lowering system is a hydraulic system.

~~23.~~21. A method for dismantling a tent structure comprising:

removing one or more roof canvas over a tent structure, wherein the tent structure comprises one or more arched frames, a plurality of straight frames between the arched frames and at least one tracker system with a tracker slot mounted on a top of the arched frame;

removing one or more upright truss mounted at ends of the arched frames in the tent structure at an elevated position;

lowering the tent structure from the elevated position by connecting each arched frame to aliftingand lowering system;

dismantling a plurality of rods between a center top straight frame and at least one adjacent straight frame of the lowered tent structure using climbing device of a safer height;

dismantling the straight frames between two adjacent arched frames from the tent structure; and

dismantling the arched frames.

~~24. The method of claim 23 further comprises dismantling a plurality of rods between a center top straight frame and at least one adjacent straight frame of the lowered tent structure using the climbing device of a safer height.~~

~~25.~~22. The method of claim ~~23~~ 21 further comprising dismantling the upright truss and the straight frames at the ends of the arched frame at a safer reachable height in the elevated tent structure using the climbing device of the safer height.

~~26.~~23. The method of claim ~~23~~21further comprises removing the roof canvas along the length from the tracker slots of adjacent arched frames by reelingout from the other side of the tent structure to uncover the top of the tent structure.

~~27.~~24. The method of claim ~~23~~21, wherein the tent structure is lowered by at least:

lowering one side of all the arched frames in the tent structure and then lowering all the arched frames at other side of the tent structure; or

lowering all the arched frames at both the sides in synchronization.

~~28.~~25. The method of claim ~~23~~21, wherein the canvas is removed from the straight frame by at least:

removing from each space between the adjacent arched frames one by one; or

removing from all the spaces between the adjacent arched frames in synchronization.

~~29.~~26. The method of claim ~~23~~21, wherein the tent structure is lowered from the elevated level to the ground using the liftingand lowering system and then dismantled at the ground level.

~~30.~~27. The method of claims ~~23~~ 21 to ~~29~~26, wherein the lifting and lowering system is a chain block or automated pulley system.

~~31.~~28. The tent of claims ~~23~~ 21 to ~~29~~26, wherein the lifting and lowering system is a hydraulic system.