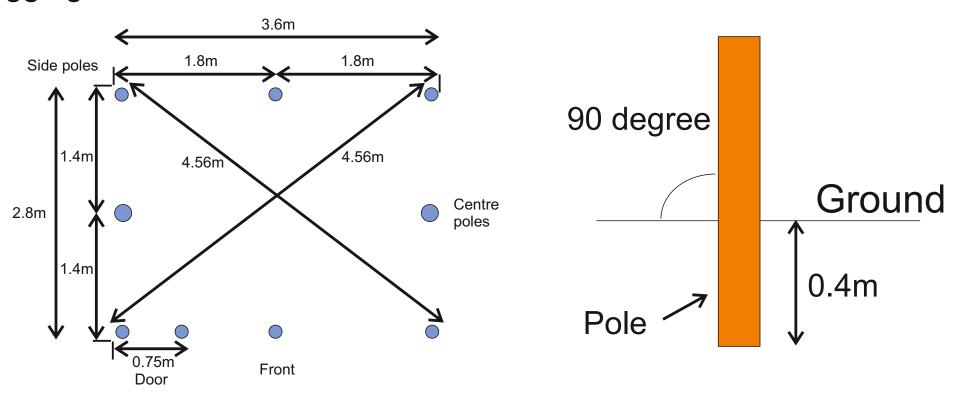


- 1. Removing unnecessary vegetation and making surface level by excavating or filling earth
- 2. Plot size 4x3 m





Digging Holes - Foundation

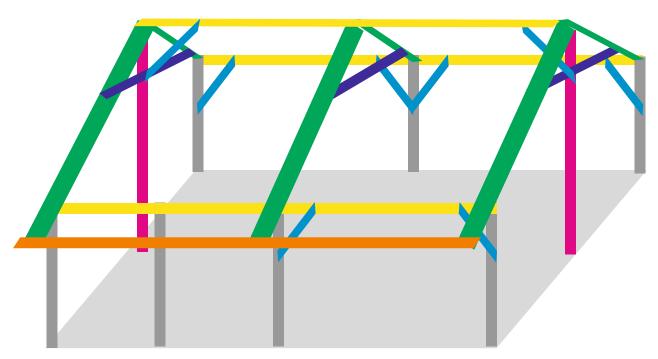


- 1. Layout the 3.6 x 2.8 m plot and make sure all poles inside the measurement. Cross check the diagonal length 4.56 m in both way.
- 2. The depth of foundation should be at least 0.4 m in stable soil.
- 3. All 9 poles should be compacted as well set in 90 degree.





Erecting Frames

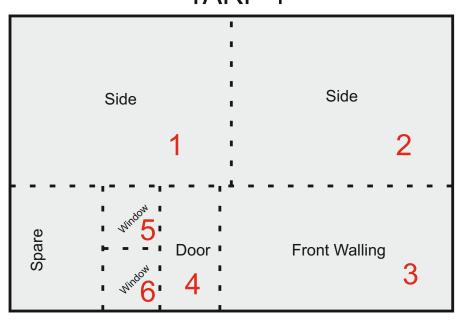


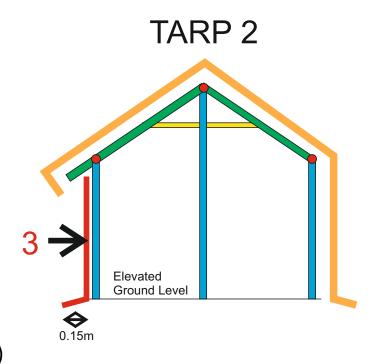
- 1. Side poles, 7 numbers 1.9 m long
- 2. Central poles, 2 numbers 2.4 m long
- 3. Connect the side poles and central pole by 3.6 m long horizontal poles —
- 4. Put 1.7 m long 3 rafters in front and 1.4 m long rafters in back side in roof.
- 5. Fix 3.6 m long purlin at the face of front rafters to fix/tie up tarpaulin
- 6. Provide 0.7 m long 8 bracings to connect side and central poles to horizontal poles
- 7. Connect rafters with 1.9 m long bracing in sides and 1.3 m long bracing in middle.
- 8. Tie up joints of frames by wooden nails (at least 2 in 1 joint)





TARP 1



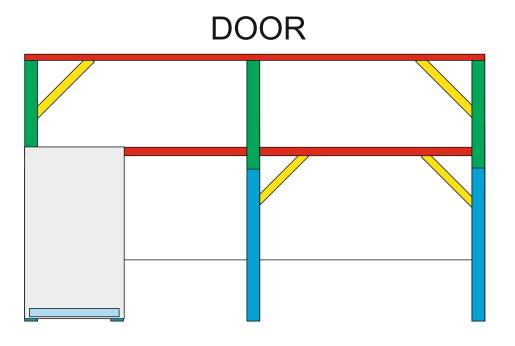


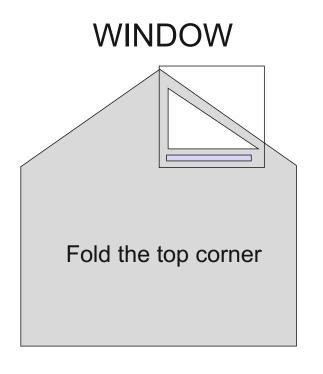
- 1. Divide first tarpaulin as shown in pictures
- 2. Use pieces 1 and 2 having length of 3x2.3 m in sides (triangular sides)
- 3. Put piece 3 having size 3.15x1.70 m in front face wall
- 4. Use piece 4 in door
- 5. Cut piece 5 and 6 having size 0.85 x0.80 m in diagonal for window
- 6. Use second tarpaulin to cover from front roof to back wall and first fix nails in front purlin through making one round fold.
- 7. Fix tarpaulin to side rafters and poles from the front face to wall and cut unused 0.7 m tarpaulin in ground at the back.
- 8. The spare pieces (1.3x1.70 m, 0.6x0.8 m and 0.70x4 m) can be used as mattress in floor.





Fixing the Door and Windows

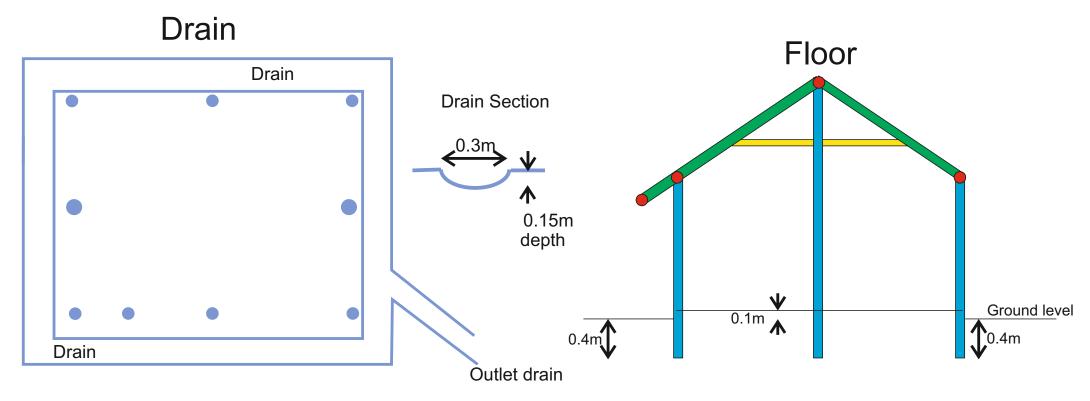




- 1. Use 0.8 x1.7 m piece of tarpaulin for door
- 2. Put 0.9 m pole in one side by making a fold and insert nails. Fix the other side in horizontal poles in door opening.
- 3. Cut the 0.85 x0.8 m long tarpaulin in a diagonal way for windows
- 4. Put the piece of pole along 0.8 m length by making fold and insert nails.
- 5. Cut tarpaulin for window openings and fold the cutting piece to poles and secure them by nails.







Floor

Raise the inside floor by filling soil up to 0.15 m and make level and compaction as needed.

Drain

Dig a drain of width 0.3 m and depth 0.15 m surrounding the shelter. Put the soil in a slope to the bottom of wall to stop rain water from entering into the shelter.





10 Wooden poles, (3.5-4)m

2 tarpaulins, 4x6 m

1 kg wire nails, 3 inch

1 Kg roofing nails with washer

Tools

1 Handsaw

1 Claw hammer

1 Machete (Phanga Knife)

1 Sniper

1 Nylon rope, 30 m roll

1 Measuring tape, 7.5 m

1 Ballpen, blue