

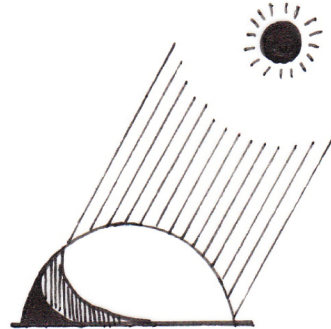
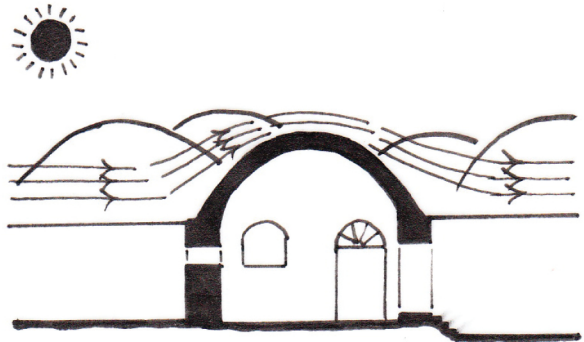


ROOF, DOME, VAULT:

In the hot arid area the amount of sun radiation over the roof is the highest comparing to other part of the building therefore reducing the outer surface that gets sun should be considered. Predicting any kind of barriers or prominence that produces shadow over the roof is one of these solutions.

Parapets should be designed higher than usual in order to hold the cold night winds and to create more shadows for the alleys.

Domes, due to their prominence often catch the breeze and this reduces the heat that gathers at the highest part of them. During night time the heat that dome produces is cooled off the same way.



domed roof shape responsive to climatic factors