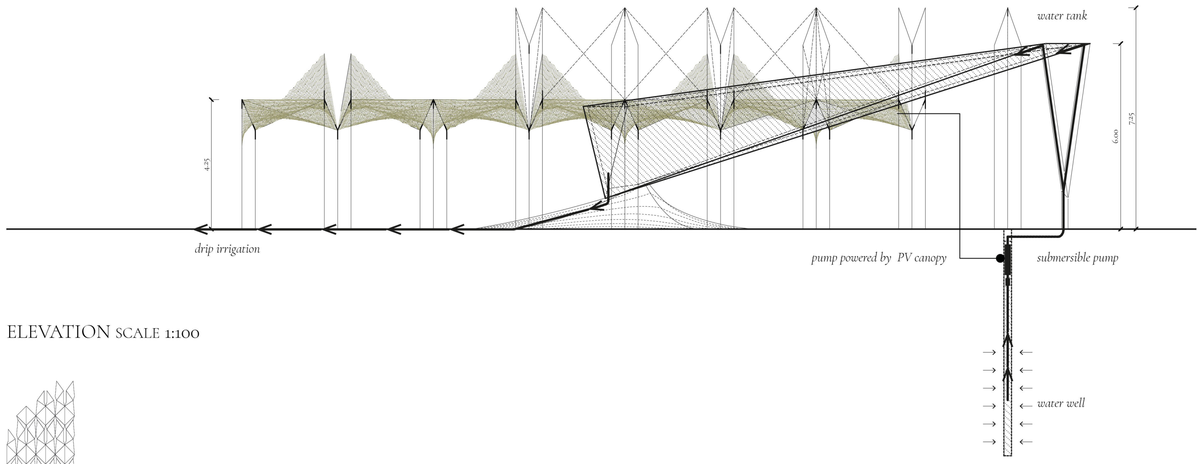
plane of water

An undulating, shimmering translucent surface stretches across a segment of the park, not only fostering the garden below but also a much larger area of the land. The proposal's aim is twofold, focussed both on energy producing structures and their link to vegetation growth and irrigation systems for a sustainable development.

The tensioned light hyperbolic surfaces woven with translucent organic photovoltaic film create a space of shade, shelter and gathering for the park's visitors under the glimmering canopy, able to generate annually 40 MWh, while through its translucency allowing vegetation growth underneath. In a small part, this energy is used to pump water daily from a well into the elevated water tank that in turn supplies the drip irrigation system, able to function solely with gravity due to the height difference.

Watering daily in the morning, the proposal is able to provide sufficient water for 2.8 hectares in the park while supplying majority of the energy generated into the grid, thus not only providing green energy to the surrounding households, but also aiding the development of the green spaces in an integrated way.



ELEVATION SCALE 1:100