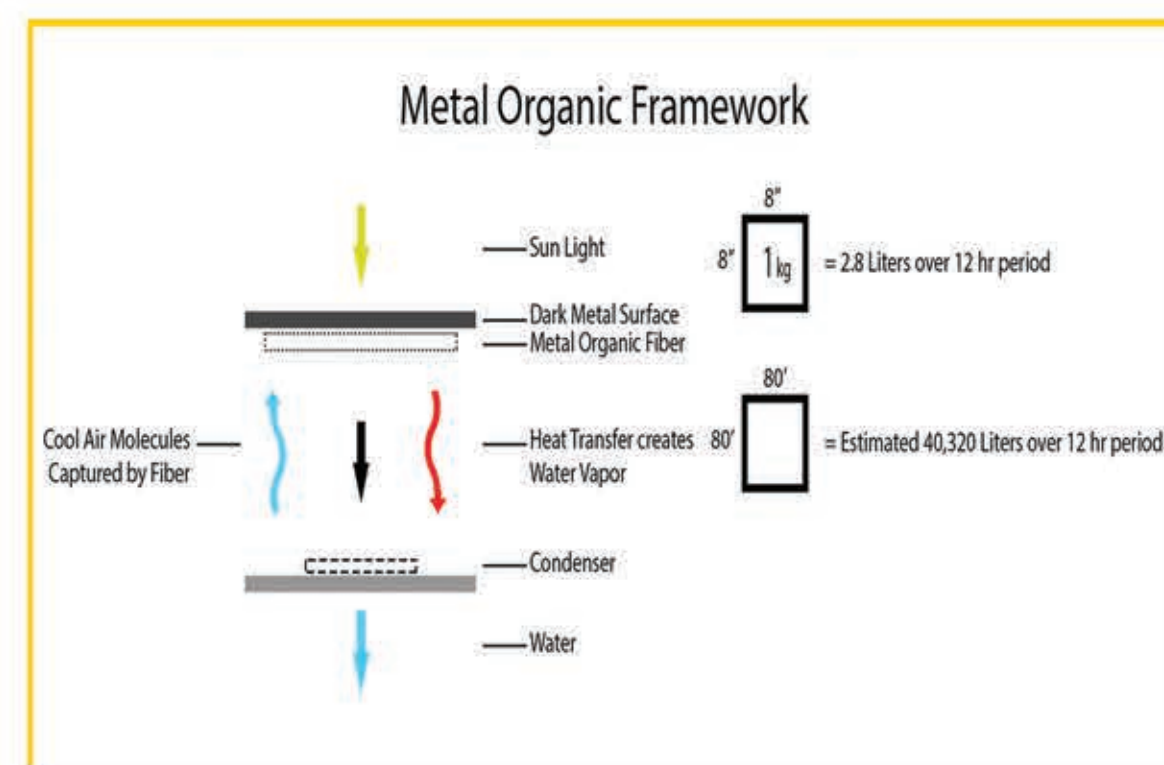
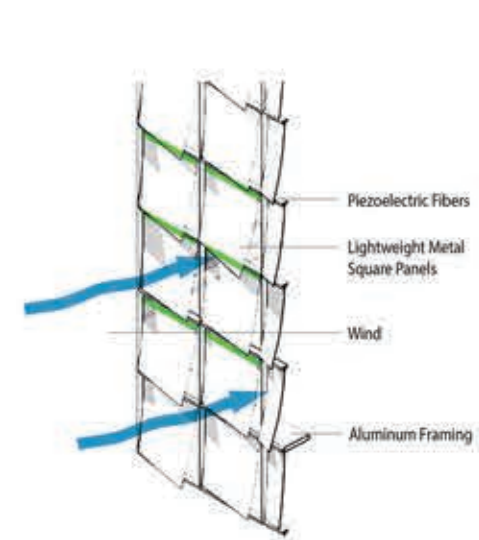


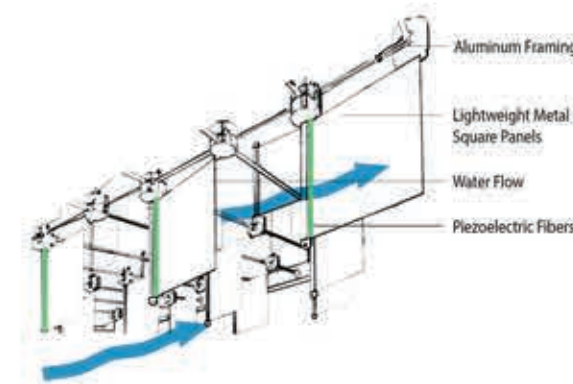
At night the technology allows air flow into the porous fibers and holds moisture. During day sun's heat causes moisture to release as vapor which condenses and is collected in silo below. The end result is the collection of water from thin air! The calculations are for low areas. St. Kilda with higher humidity levels will triple the amount of water collection.



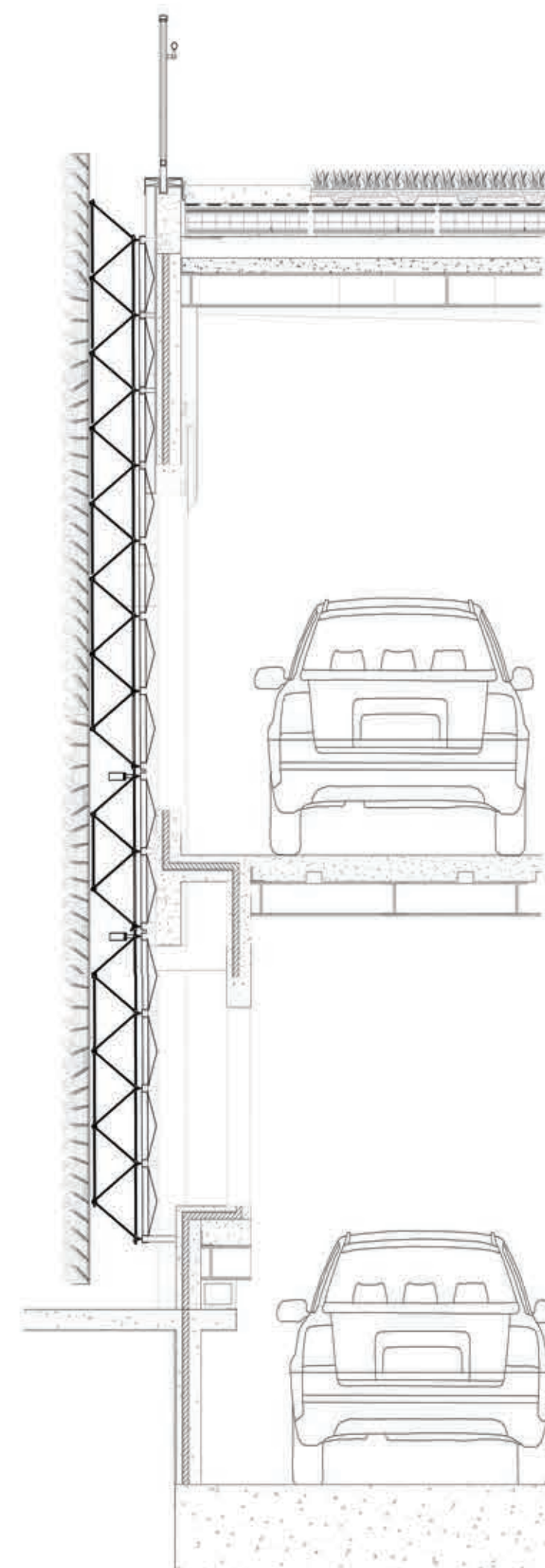
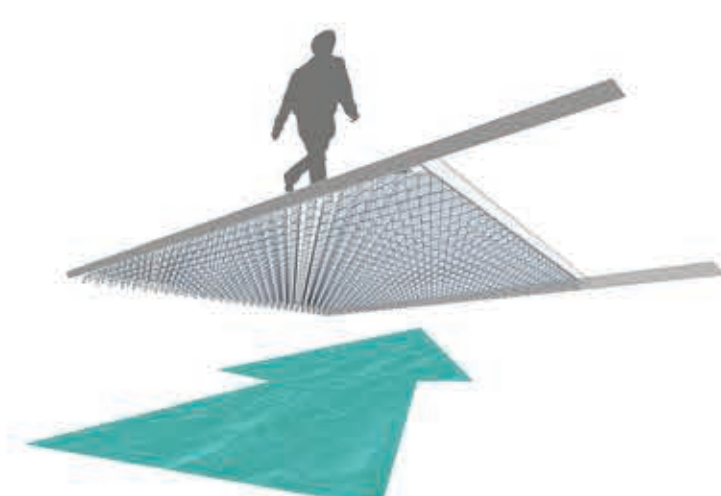
Wind



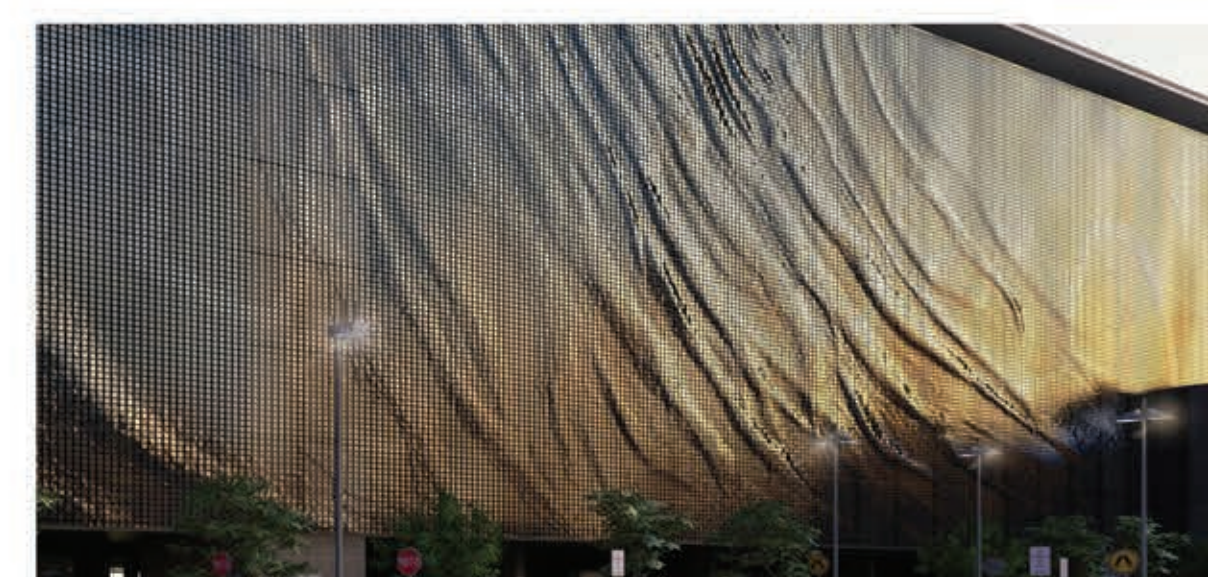
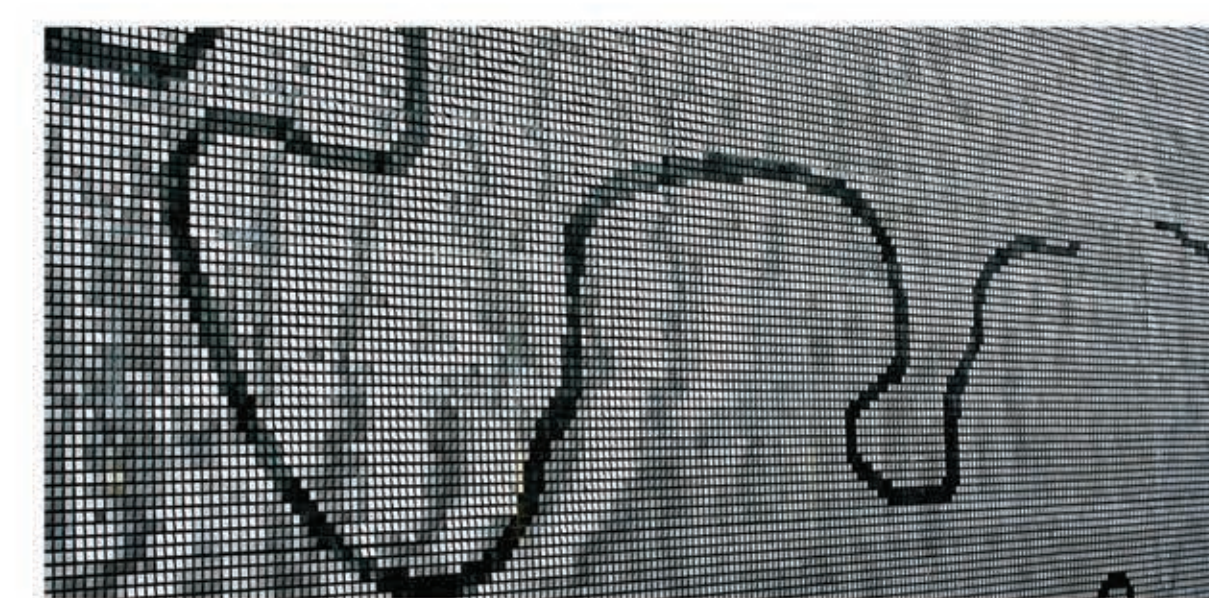
Water



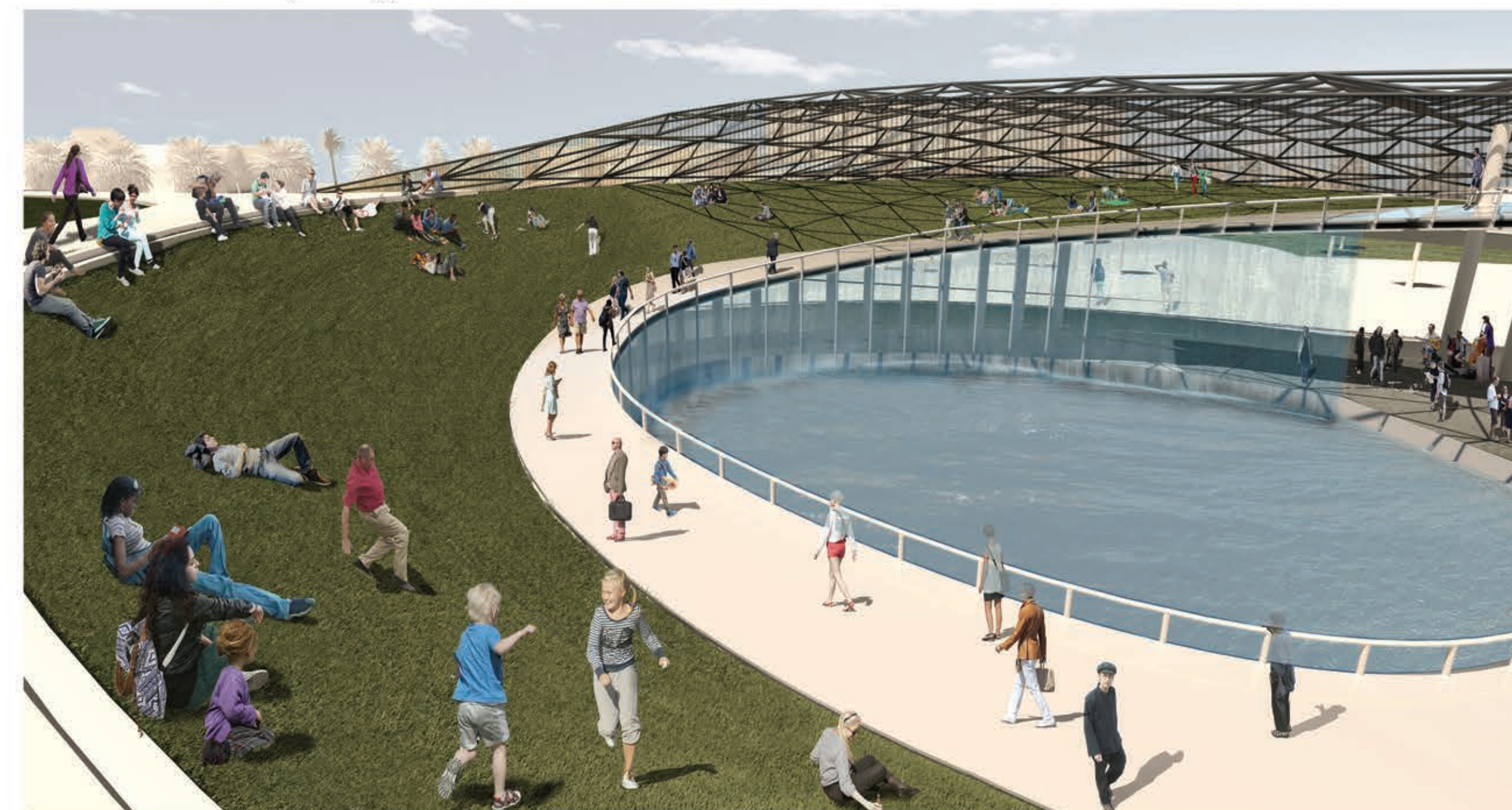
Same Technology. Two Natural Resources. Same Energy.



Wall Section at Garage and Plaza.



The wind veil was inspired by Ned Khan aesthetic use of veils as facades of parking garages. Similar approach to this veil can be used to develop energy for both wind and water flows.



Water collection is a must for an area experiencing near drought levels. Metal organic framework has been tested on small scale but if brought large scale will solve all drought issues in these types of areas. Taking moisture from the air and using the sun to change moisture in air to useable water. The design proposes a cultural center with focus on water collection at its center. The large silo will be constantly collecting water 24/7. Surrounded by a wind veil, it will power the facility. Excess water will flow through a designed river down the site to a new pond and fountain surrounded by new artificial hills. As water flows downhill it will pass by designed technology to gain energy from water flow as well. This pond, with cascading waterfall fountains and new slopes, will be a new public space for the community to hangout and relax.

