

## Narrative

### R.E.D. | Regenerative Energy Design

Looking towards R.E.D. from the coast line reveals organic forms of movement throughout the site. Vertical play along its path creates social and emotional experiences allowing for a closer interaction with the ocean surface.

Specified locations throughout the site comprise of environmentally friendly functions suitable for producing energy, habitat life, and human interaction. Placement and material use on these sites perform as abstract structural art pieces that contrast with the site itself.

Human circulation stays consistent in the sense that it is constantly changing. Changes in elevation and perspective views allow for a visual connection with the environment and energy producing structures. The energy producing elements on the site informs the public in regards to how R.E.D. methods successfully adapt to the marine life environment.

The network of pathways enhance the experience of the users by providing a layout that provides panoramic views and yet, restricts their access to certain areas. This buffer zone serves as a reminder to people that while nature is beautiful, our intervention can take that beauty away and thus it is best to admire it from afar.

The canopy of pipes that extends high across the surface is compromised of the osmosis as well as the reverse osmosis systems, which partially feed into each other to provide energy as well as purify water to be suitable for drinking. The hum and constant rhythm of the movement occurring within the pipes creates an echo that resounds across the structure and gives the seemingly static structure movement and soul. Between the pipes of the canopy structure, solar panels are oriented towards the sun to produce energy as well as provide an aesthetic appeal to the landscape.

A forest of kelp growing under the surface, aside from providing a habitat for the critters of the Santa Monica Bay, can be harvested for biofuel. Kelps amazing ability to grow up to 3 feet a day and suck up huge quantities of CO<sub>2</sub>, enables to act as a natural filter while supplying a constant amount of energy with little environmental impact