

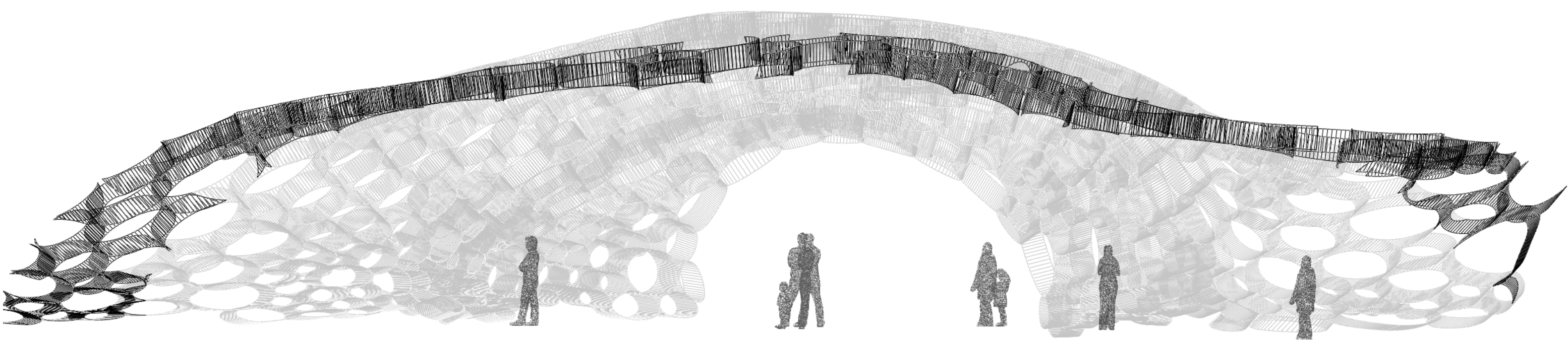
/ REFSHALEØEN

WATER TAXI TERMINAL

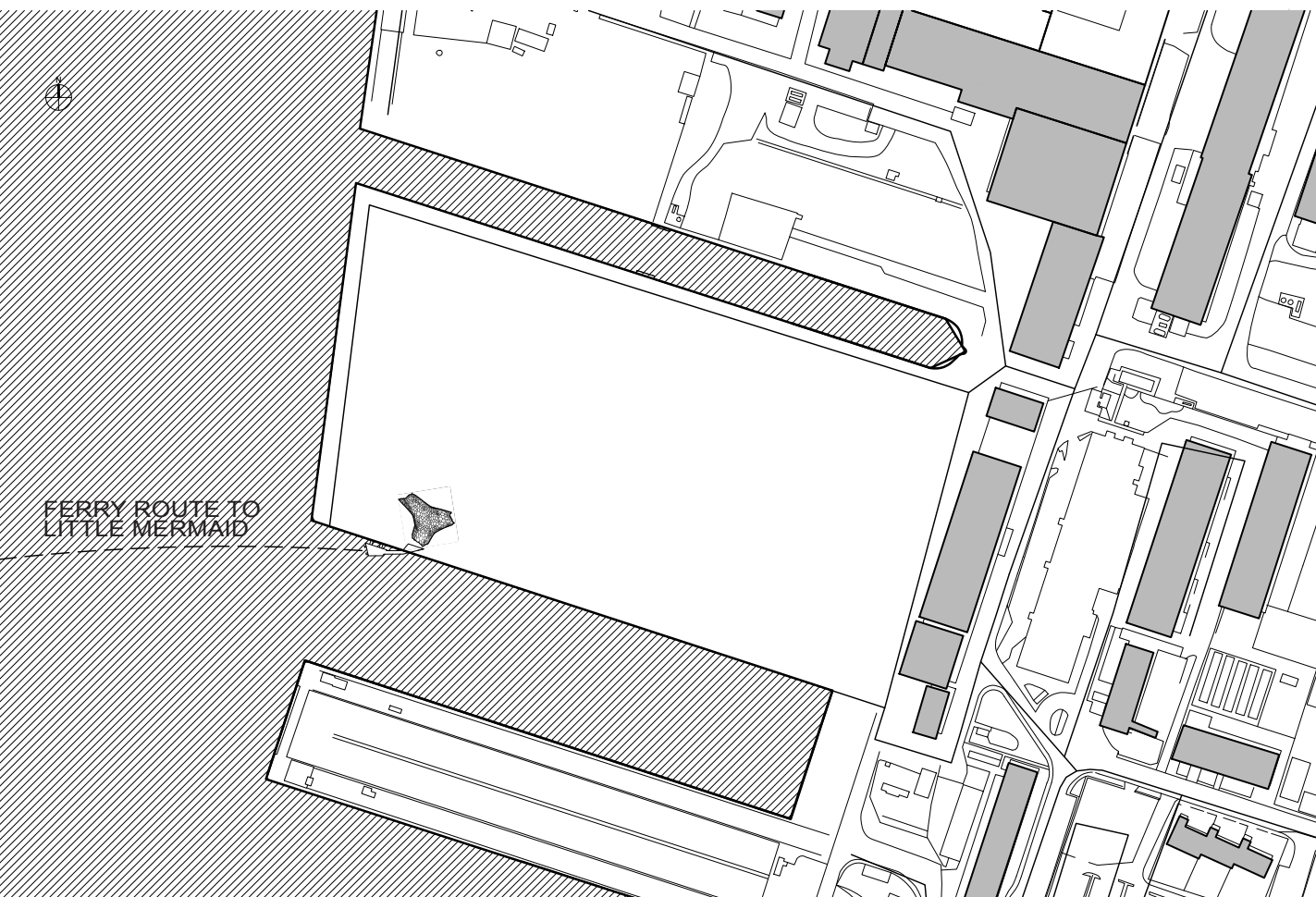
As the city of Copenhagen reinvents itself within its physical constraints, the once iconic shipyard of Refshaleøen is transforming into a hub of fresh urban activity

With residents that include a theater, a celebrated restaurant, an art gallery and a creative community, alongside existing and new industries, the popularity of the site increases. This urban revival is creating greater demand for convenient transport and more local amenities, more so as Refshaleøen is frequently used as a venue for events and festivals.

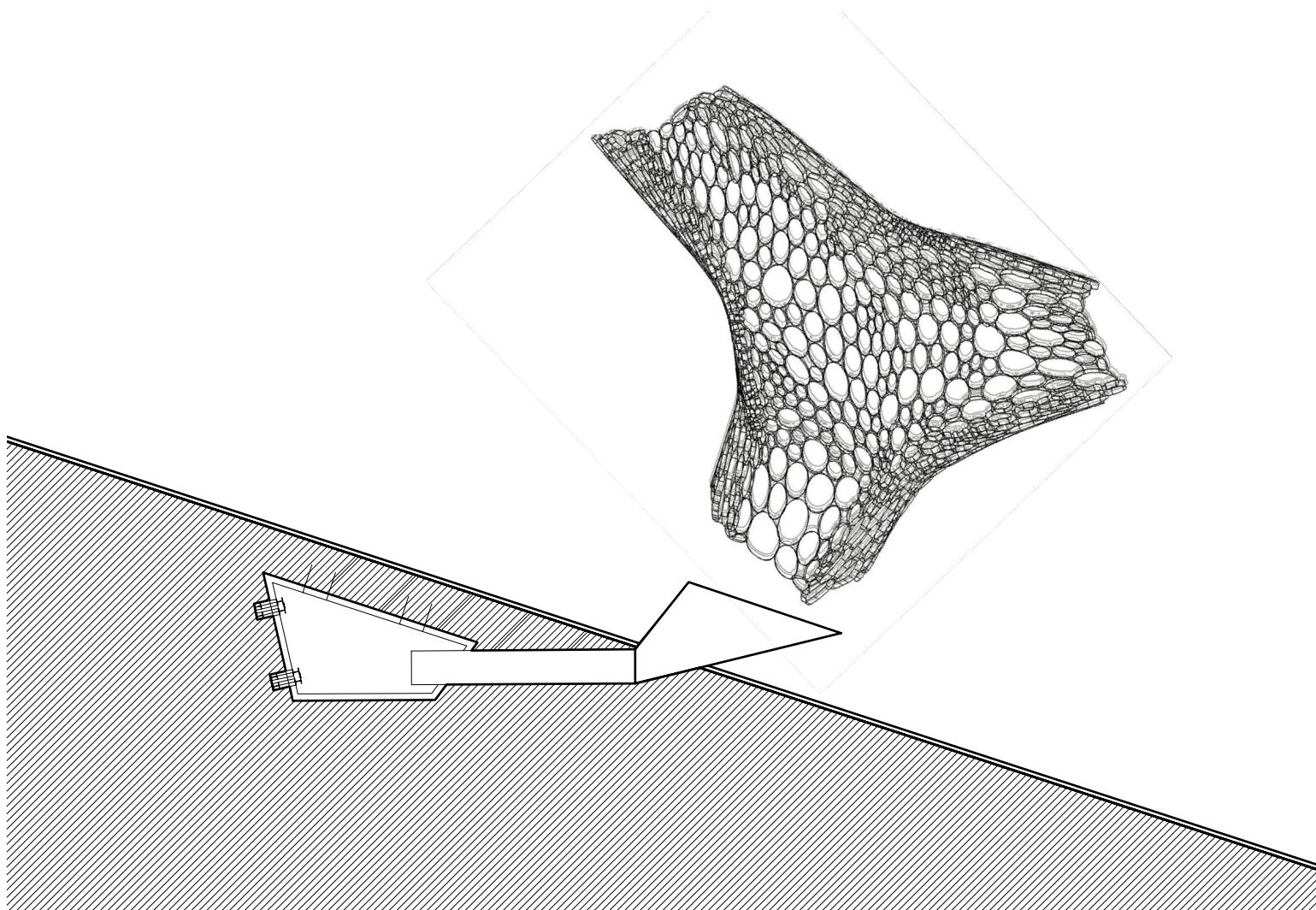
The lightsponge is an ideal structure for the local water taxi terminal – the gateway to Refshaleøen. It would passively demonstrate solar technology to a wide and diverse audience in a casual and unimposing manner. By maintaining its background stature it would testify that infrastructure can enhance the environment.



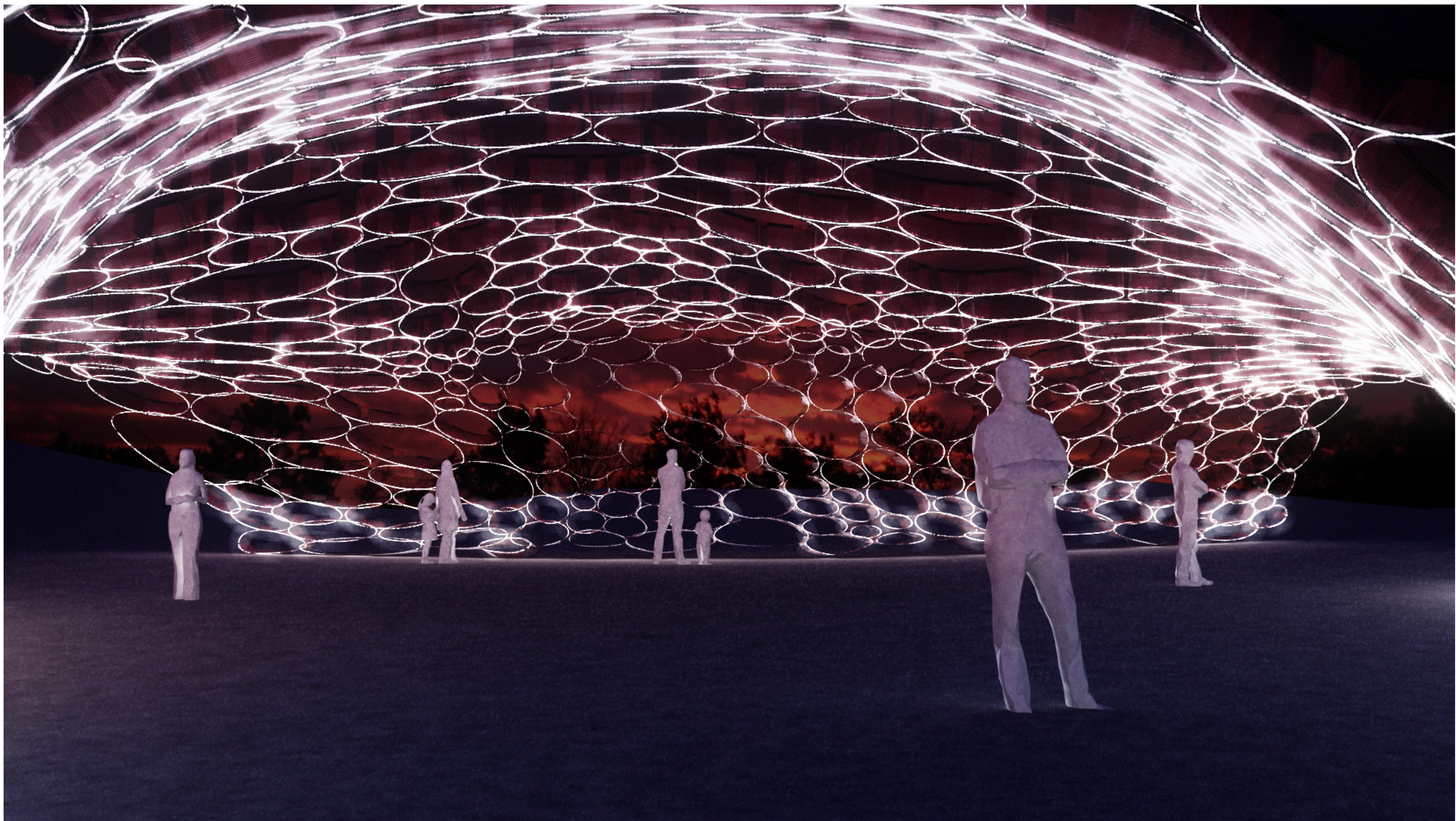
/ SECTION



/ LOCATION PLAN



/ PLAN



/ ZERO

ENVIRONMENTAL IMPACT

During daytime the structure would perform as a transient shelter for passengers, inconspicuously harvesting sunlight. At night, the structure would come to life with a dazzling LED light performance employing the power it has absorbed throughout the day.

As each of the solar plastic cylinders independently collects, converts, and stores energy, the lightsponge is entirely autonomous, there is no need for cabling or any other electrical components.

As the sponge structure is inherently self supporting, only minimal foundations are necessary to anchorage it to the ground.

Structure dimensions: 15mX20m
Total PV plastic surface: 1000m2
Estimated annual output: 50kWh

