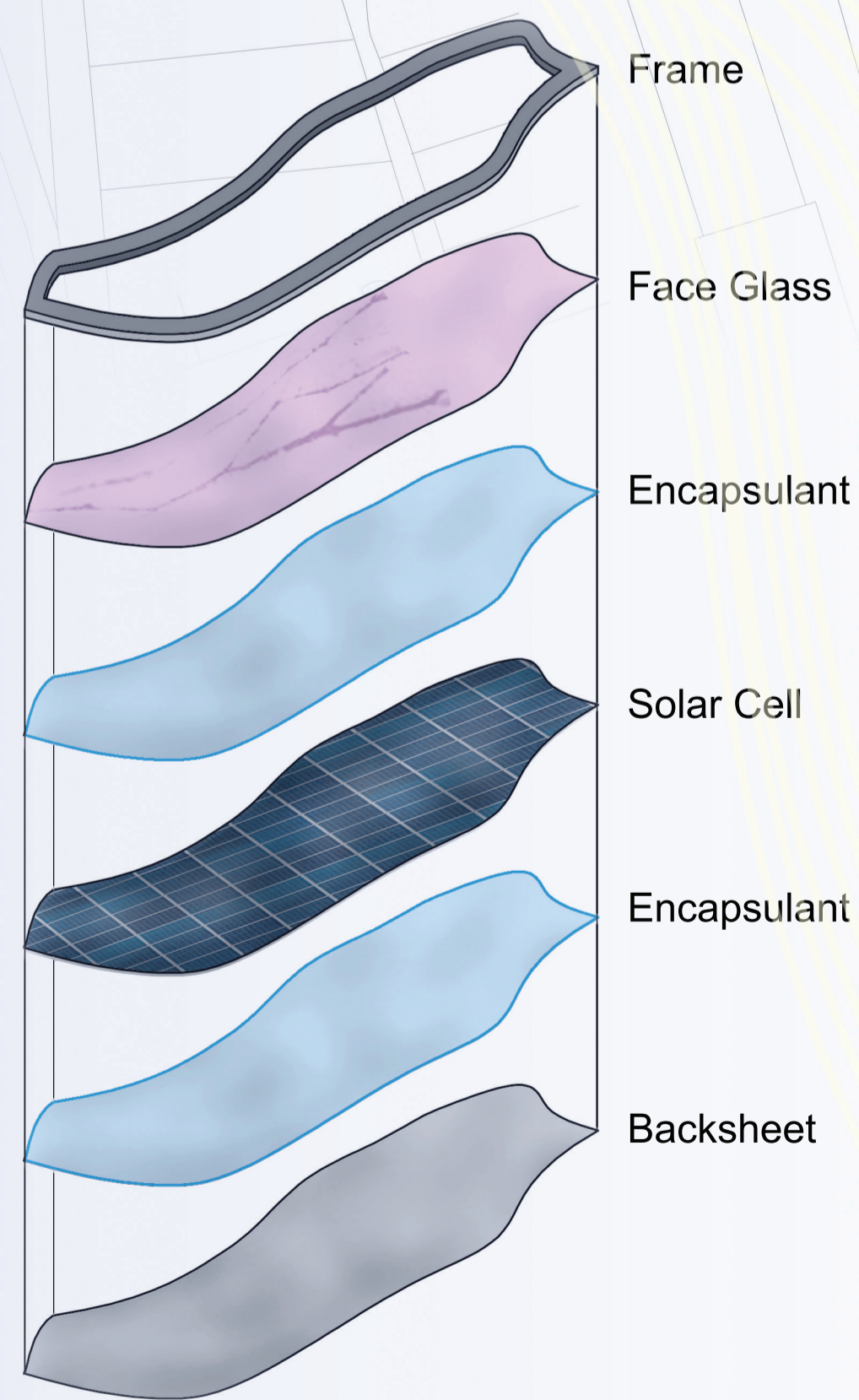
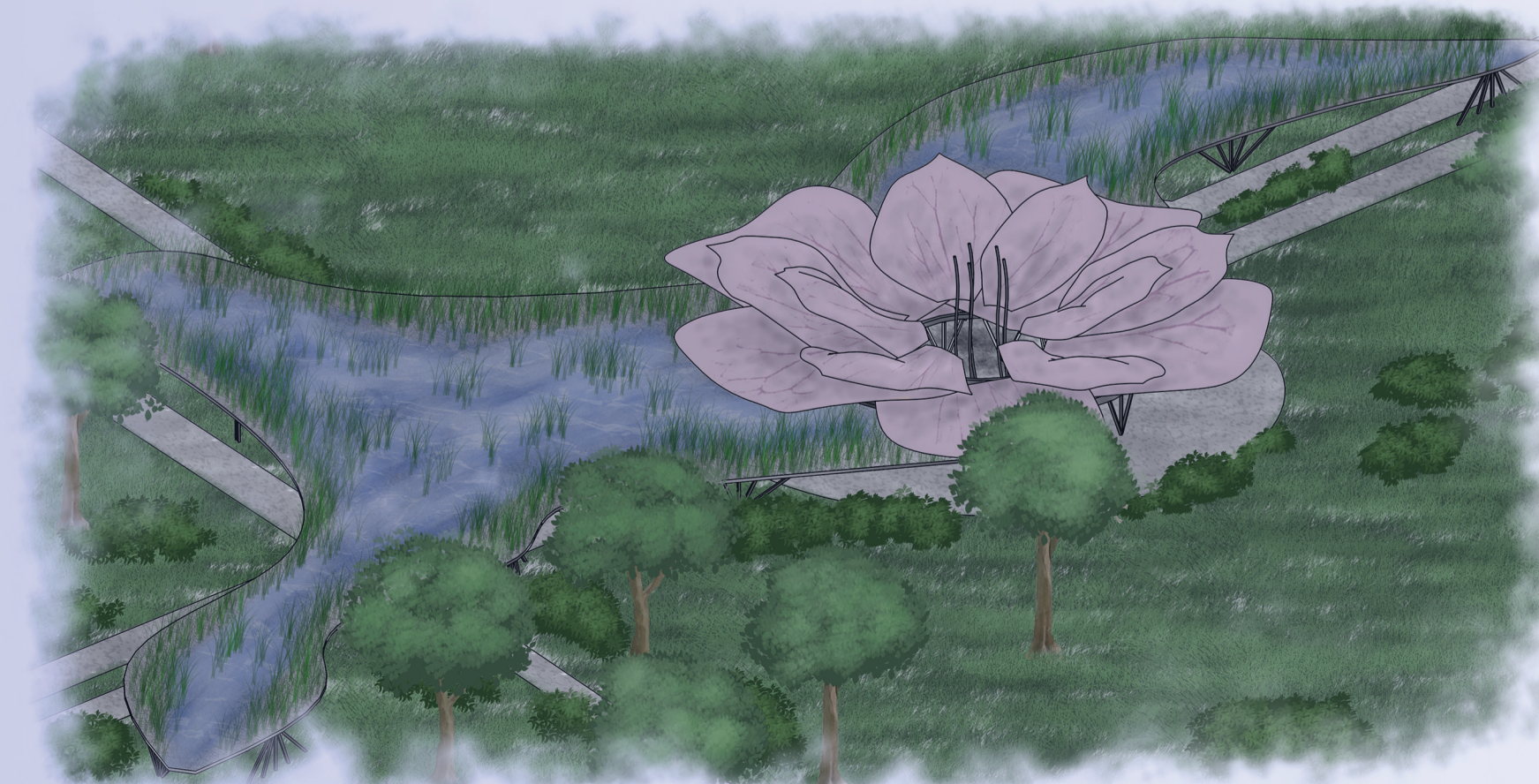
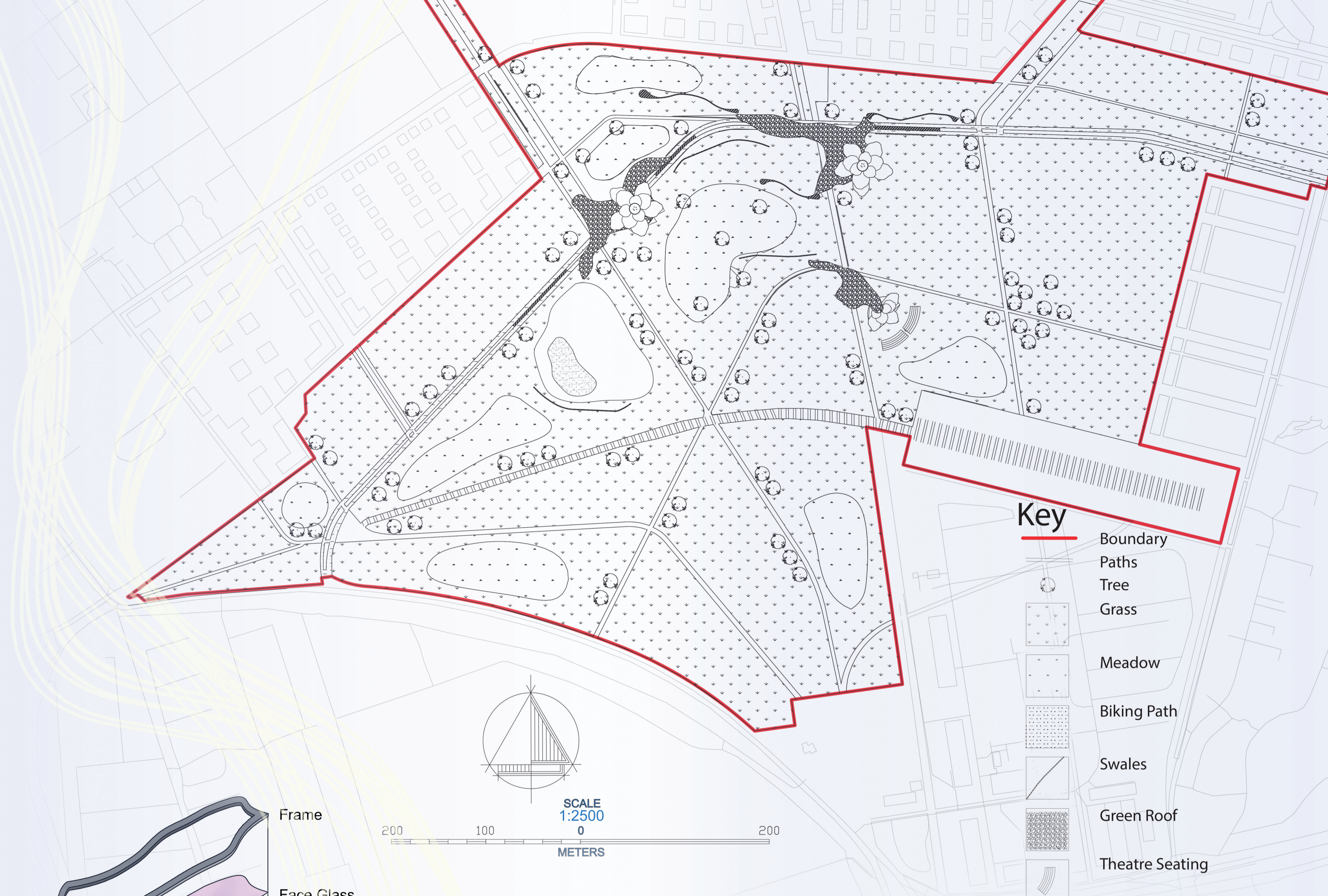


Night View



Layers of the Solar Panel



- Key**
- Boundary
 - Paths
 - Tree
 - Grass
 - Meadow
 - Biking Path
 - Swales
 - Green Roof
 - Theatre Seating
 - Sand Pit
 - Old Train Track
 - Solar Panels
 - Piezoelectric-Photovoltaic Fabric

The central piece is a sculptured flower head with petals containing photovoltaic cells. It uses face glass on the solar panels, dyed to resemble the floral aesthetic. It's capable of generating an annually capacity of 2000 MWh. The spread of the petal in this design provides other benefits such as offering shade and a comfortable seating experience. In addition, it's large cover collects water during rainfall or flows into the green-blue roof. Multifunctional designs are significant as it improves urban resilience, inspired by farmers using panels to shade vegetation as crops or for grazing. This contributes to the UN goal 11, "Making sustainable cities and communities". It provides a different experience and perspective for the public from conventional renewable energy.

Multifunctional spaces are desirable due to limited land availability, this applies particularly to renewable infrastructure, which requires a lot of space and sources around 25% of global energy supply. Other functions include sheltering the outdoor stage. Music and performance are a major part of the city's culture. When there is more diversity in use, there is greater economic incentive and therefore it increases value and benefit for the people. As one of Europe's largest inland ports, the city has old train tracks. It is turned into a public art walk in this design to relate to Mannheim's cultural and historic background while adding functionality.

First Rays Of Spring