



IDEA

To create a dynamic and organic open structure in the park for resting and socializing, using the motif of the forest. Constructed of repeating tree like structures to provide protection from sun and rain. Integrated into the canopy of each module are semi-transparent colored photovoltaic elements to provide in a very visible manner clean energy production. The emotive power of the warm color palette is intended to enhance the well being of the user. Constructed on a large scale "The Forest" allows visitors to move around and through the structure to heighten the experience and interaction with the three-dimensional object. This is a construction of architecture, beautiful and useful. The intention is to be clear and intuitive, so that the visitor understands easily the construction and materiality of the structure and the generation of electricity from the "canopy" above. Nothing is hidden or requires explanation.

DESIGN

The design consists of repeating prefabricated modular elements. The roof is constructed from 6 triangular sections, combining to form a hexagon. Each triangular section contains photovoltaic cells and semi-transparent glazed areas in various colors. Each hexagon is supported by 6 laminate wood beams that grow out of 6 tapered columns that are combined to form a whole. When modules are combined they form a stable combined structure. Rain water is drained through the center of each column group and can be collected or used to recharge groundwater.

URBAN PLAN

The urban design process uses as an organizational principle the rigorous use of structurally strong triangular units to create a roof canopy based on hexagon elements; these are then intuitively edited and manipulated to create an organic plan and three-dimensional structure. This planning principle allows the idea to be adapted to nearly any site situation, urban or rural, whether standing on it's own, or interacting with existing urban elements.