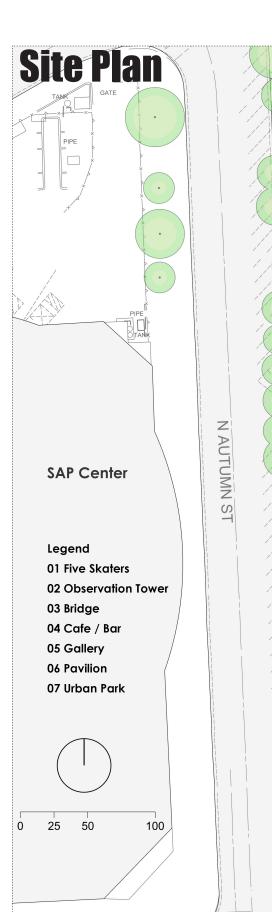






The new icon for Silicon Valley must exude relationship. The work is not simply a digital the innovative nature of this place. Presenting exercise, but a rigorous exploration between solutions to inspire future generations of inno- the digital and physical realms, developing vators such as material efficiency, integration systems and understanding for how the two with nature, net-zero energy and public inter- might inform one another. The result is a system action and dialogue, Accumulus establishes minimized in material and energy usage, while a new paradigm for how one might consider maximizing public experience and interaction. manifestation of future spaces. Drawing upon The new park at the confluence of two rivers nature and biomimicry for inspiration in the for- will create both fertile seed and soil around mulation of advanced custom computational which future development will grow. A comtools set and artificially intelligent solvers, the memoration to where Silicon Valley has come project drives towards a minimal/maximal from and a beacon for where it will go next.

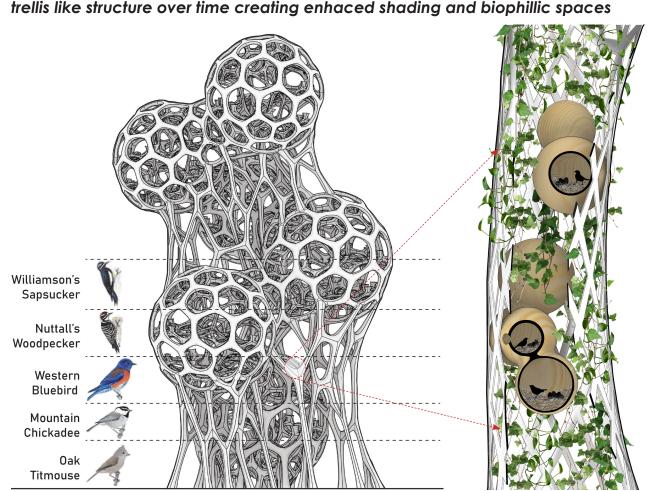






# Ecology

Utilizing Low-Energy Nutirient Film Technique, Local Dought-Tolerant Vines infiltrate the trellis like structure over time creating enhaced shading and biophillic spaces

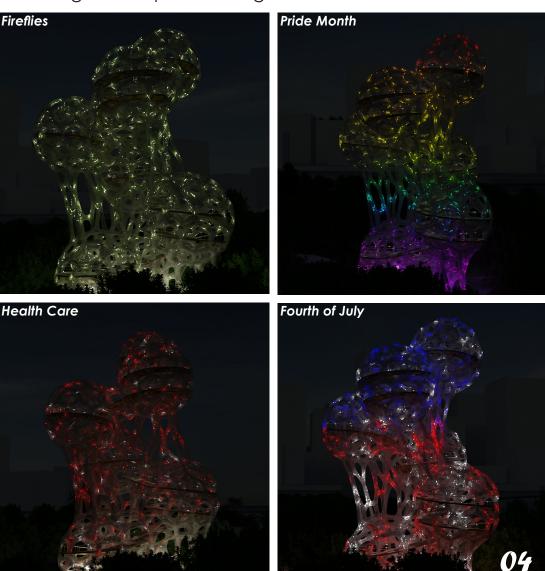


Taking advantage of the open lattice structure, small bird houses are embedded with variation in design and clustering according to local bird species requirements



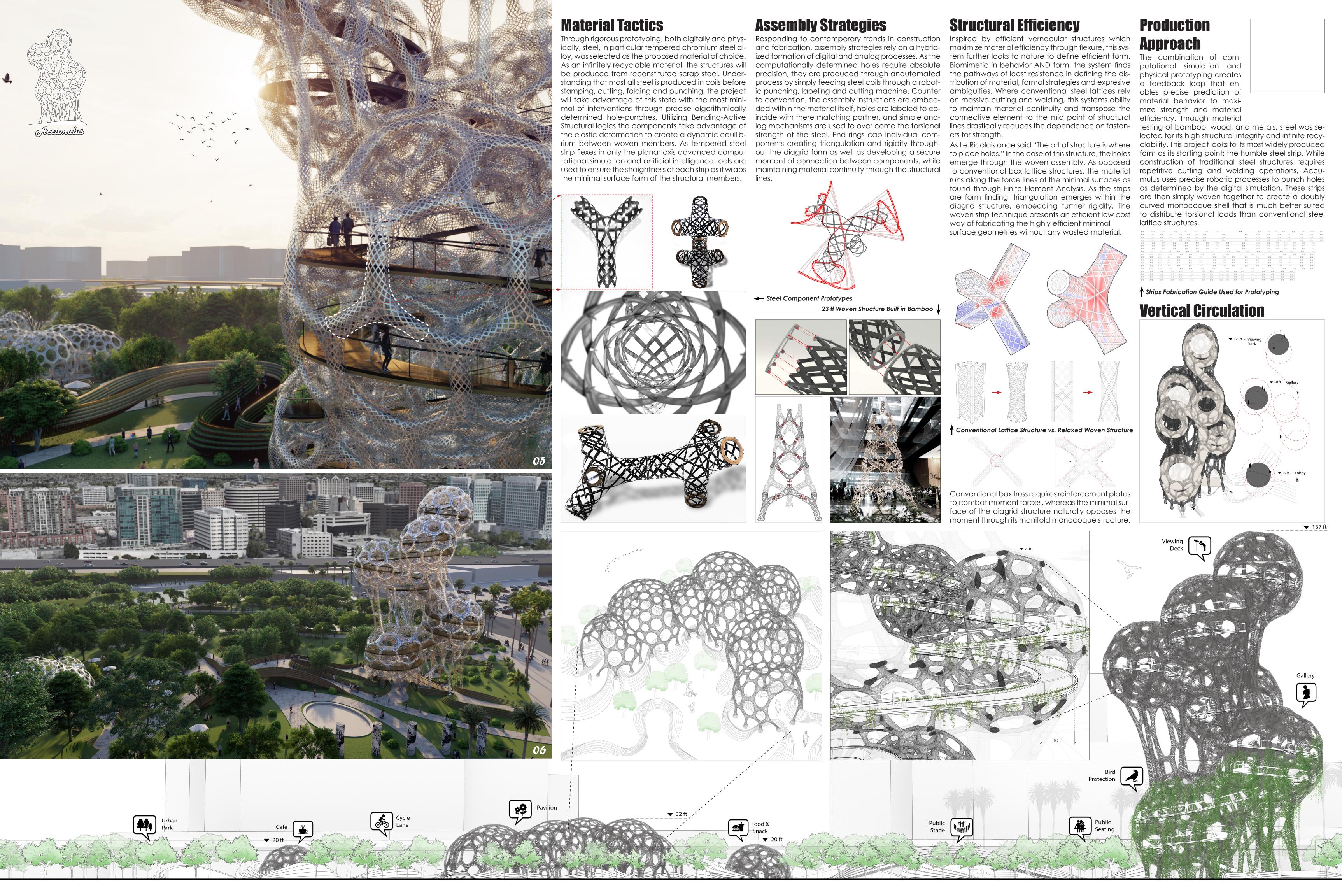
# Lighting Design

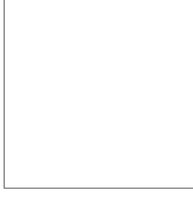
The lighting system for Accumulus is inherently linked to the strip-based construction of the tower and pavillion. Rather than using few large spot lights, solar-powered LED strips follow the weaving steel, when activated this creates a very unique behavior, read as a seemingly random flock of fireflies, the lights meander and twist through the night sky. In addition to the dramatic effect of the organic lighting the low wattage does not effect the local flora, fauna or wildlife. Variable in speed, brightness, density and color, the strip driven LED system present unlimited possibilities for the commemoration of holidays, events and the opportunity to interact with the public through smart phone integration.



## **Perspective Images**

- 01. Tower Street View
- 02. Ground Pavilion
- 03. Tower Interior View
- 04. Night Lighting Effect
- 05. Tower Overlooking the landscape
- 06. Park Overview





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