My design has 2 recurring themes: **PERENNIAL** and **PHOTOCHROMIC.**

'Perennial' stands for go-getter, survivor, leader, guide. The personality and mentality needed to succeed in Silicon Valley.

The perennial / algorithmic / rhizomatic patterns used in my design attest to the history and spirit of Silicon Valley:
perseverance / resilience / resurgence / non-linear thinking / counter-culture / rooting on the fly / decentralized / by-passing / inventive / unpredictable / serendipitous meetings / mentoring / spreading knowledge across / perpetuity / seedlings / spinning out

You don't have to emerge from nothing. It's always a culture / discourse / humus that leads to extraordinary results that elevate all.

My use of **photochromic materials** signifies the most profound change in our sense of spacetime brought about by our use of computers: the collapse of virtual and physical experiences. Expressed in this design through transitions from opaque to transparent and vice versa.
It also points to the use of photo lithographic masking in the making process of computer chips, and references 'work – leisure fluidity' (prescription to sunglasses).

Functions: restaurants / cafés, fab labs, inclusive coding clubs, kids nature labs, meditation, skating, calisthenics and gift shop.
Fashion, interior, product designers and artists are periodically invited to work on site and extend the project beyond the confinements of the park.
Keywords are **learning, making, innovating** and our relation to **nature**

Net-zero principles:

Climate control of the main building is achieved through large bodies of water in the floors, in combination with sun shielding and self-ventilating windows. 'Cooling' with water is more effective and less energy consuming than with traditional air conditioning, since water absorbs heat gains and prevents the building from getting hot in the first place.*
Photochromic emulsion is applied to the roof and window portions to regulate the inner light and temperature.
FEP coating (fluorinated ethylene propylene), a clear transparent material similar to Teflon is applied inside to insulate the space and block direct radiation (comparable to the project of Transsolar for Murphy Jahn Architects Suvarnabhumi Airport).
The round window components should be prefabricated in one piece and intermittently have perforation holes at the top for ventilation, guarantying the circulation of fresh air.
Rainwater is collected in a circular structure along the roof curvature and contributes to about a 25% reduction of the total regular water use.

Source:
* *Thermally Active Surfaces in Architecture* by Kiel Moe