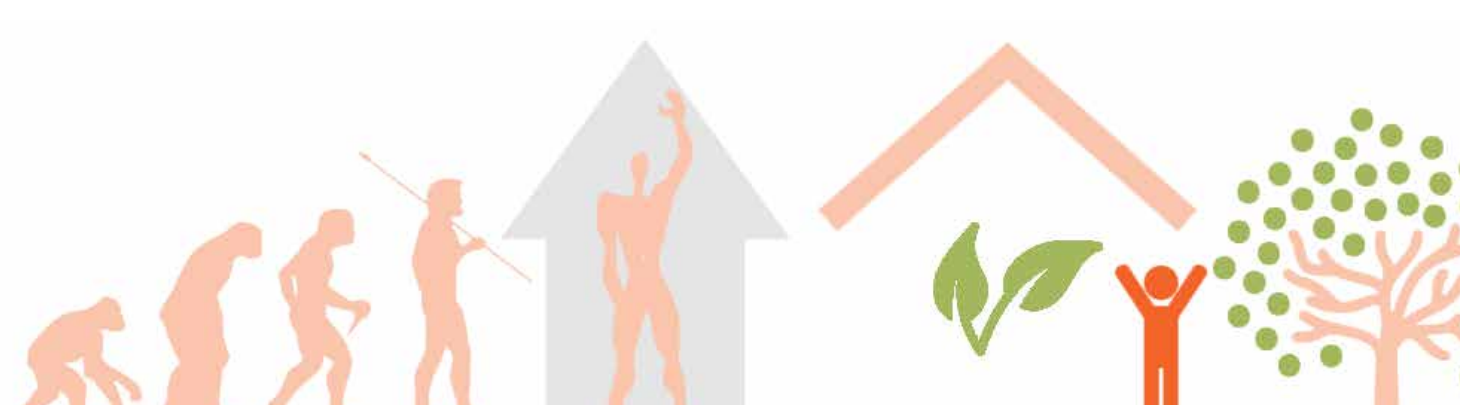
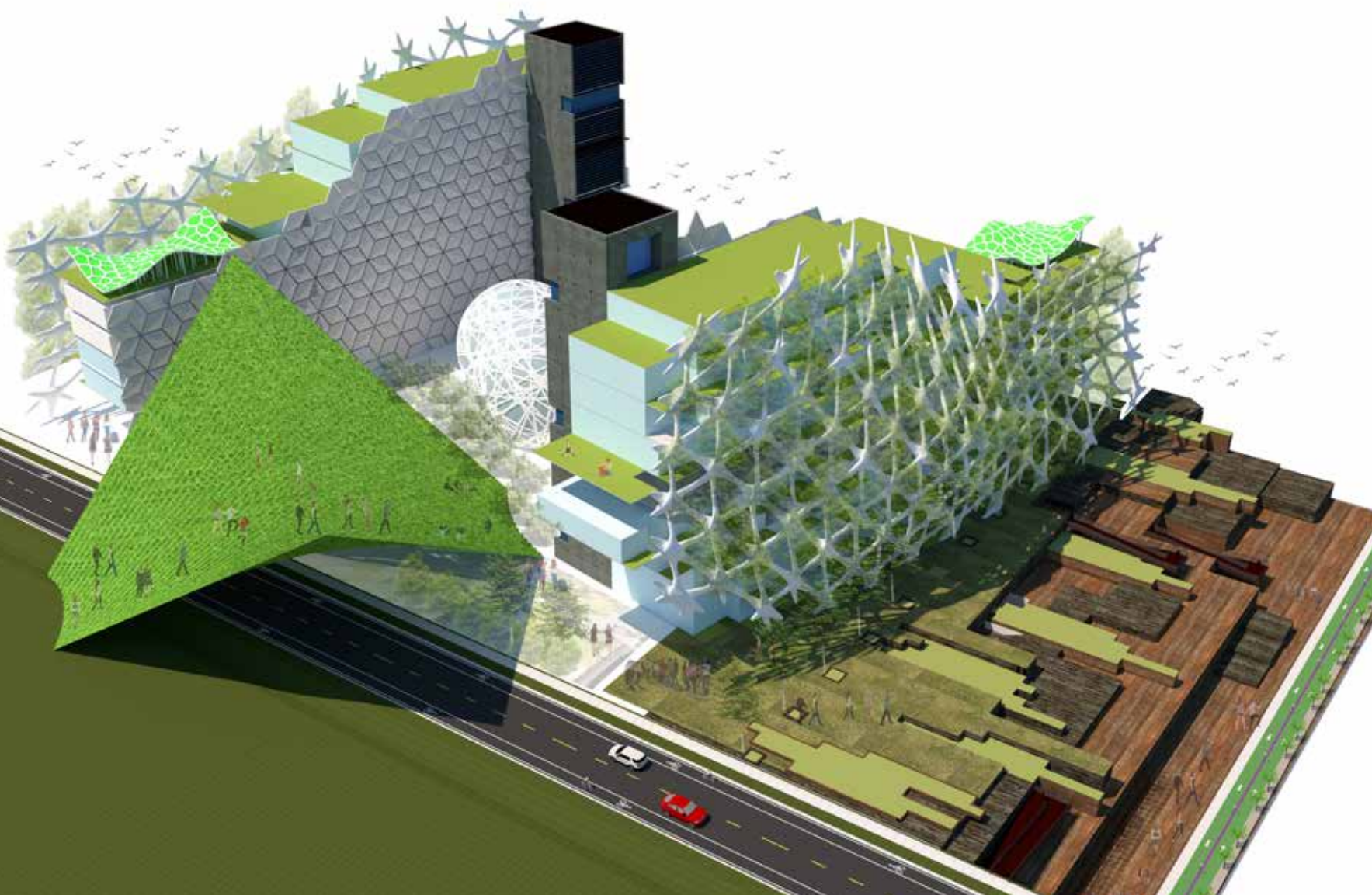


# MAKING OF A METROPOLIS

A story about us "The Indoor Generation". Our generation spends 90% of its life indoors. This started the day when we started leaving nature behind. We brought lovely things both necessary and luxury items which filled our homes. Our home became places you would never want to leave. We are building our houses in way such that nothing could escape. Artificial lighting replaced the natural Sunlight. We cooked and showered, breathed and played, slept and sweated but we have closed ourselves off to a point where nothing could get out. We tried spraying/using chemicals, when the inside air turned bad. Additionally, we started using artificial suns everywhere to make the life bearable. That's when things started to happen. At beginning, it is Hard to notice, some needed help to sleep, breathe and even not itch.



- VISUAL CONNECTION WITH NATURE**  
A view to elements of nature, living systems and natural processes.
- NON-VISUAL CONNECTION WITH NATURE**  
Auditory, haptic, olfactory, or gustatory stimuli that engender a deliberate and positive reference to nature, living systems or natural processes.
- NON-RHYTHMIC SENSORY STIMULI**  
Stochastic and ephemeral connections with nature that may be analyzed statistically but may not be predicted precisely.
- THERMAL & AIRFLOW VARIABILITY**  
Subtle changes in air temperature, relative humidity, airflow across the skin, and surface temperatures that mimic natural environments.
- PRESENCE OF WATER**  
A condition that enhances the experience of a place through seeing, hearing or touching water.
- DYNAMIC & DIFFUSE LIGHT**  
Leverages varying intensities of light and shadow that change over time to create conditions that occur in nature.
- CONNECTION WITH NATURAL SYSTEMS**  
Awareness of natural processes, especially seasonal and temporal changes characteristic of a healthy ecosystem.



Many of us even started to feel sad. So, we turned happy lamps to make the sadness go away. Then scientists discovered that the air inside our home is polluted 5 times more than air outside. And that the lack of daylight can affect children learning and blood pressure. It turns out that kids' room often has the highest concentration of toxicants in the house. In fact, millions of houses are unhealthy to live in. Scientists and doctors discovered that living in damp and moldy homes increases the risk of asthma by 40%. And I learned that millions of peoples suffer from asthma and allergies caused by the bad indoor environment. And so, here we are. How this story ends is up to you. DO something if you care about the indoor generation. Begin to think and live differently. Let light and fresh air into your life again. Even small differences can make a huge difference for coming generations

- BIOMORPHIC FORMS & PATTERNS**  
Symbolic references to contoured, patterned, textured or numerical arrangements that persist in nature.
- MATERIAL CONNECTION WITH NATURE**  
Materials and elements from nature that, through minimal Wprocessing, reflect the local ecology or geology and create a distinct sense of place.
- COMPLEXITY & ORDER**  
Rich sensory information that adheres to a spatial hierarchy similar to those encountered in nature
- PROSPECT**  
An unimpeded view over a distance, for surveillance and planning.
- REFUGE**  
A place for withdrawal from environmental conditions or the main flow of activity, in which the individual is protected from behind and
- MYSTERY**  
The promise of more information, achieved through partially obscured views or other sensory devices that entice the individual to travel deeper into the environment.
- RISK/PERIL**  
An identifiable threat coupled with a reliable safeguard.



**COMMUNITY SOLUTION**

**COMMUNITY COLLABORATIVE**

**COMMUNITY RETRAINING CENTER**

**URBAN GARDEN**

**CULINARY INSTITUTE**

**DIVISION OF PROGRAM ALONG THE SITE**

TRAFFIC	EMERGENCY	COMMUNITY	HOUSING	WORKSPACE	OPEN SPACE
-30%	-50%	-60%	+30%	+30%	+50%

**METHODS FOR HEATING GREEN HOUSE AND CONVERTING SNOW TO WATER FOR FREE:**

- THERMAL ENERGY STORAGE SYSTEM:** Storage of low-grade heat from solar gain in under greenhouse benches
- GREEN HOUSE EARTH THERMAL STORAGE:** EAHE- Earth to Air Heat Exchanger
- GREEN HOUSE SOLAR THERMAL STORAGE:** SHCS- Soil Heating and Cooling System

*Our task must be to fix ourselves from this prison by widening our circles of compassion to embrace all living creatures and the whole nature and its beauty*  
Albert Einstein



GREEN HOUSE - Urban farming, indoor space of respite, creating a new land mark for celebration and entertainment.



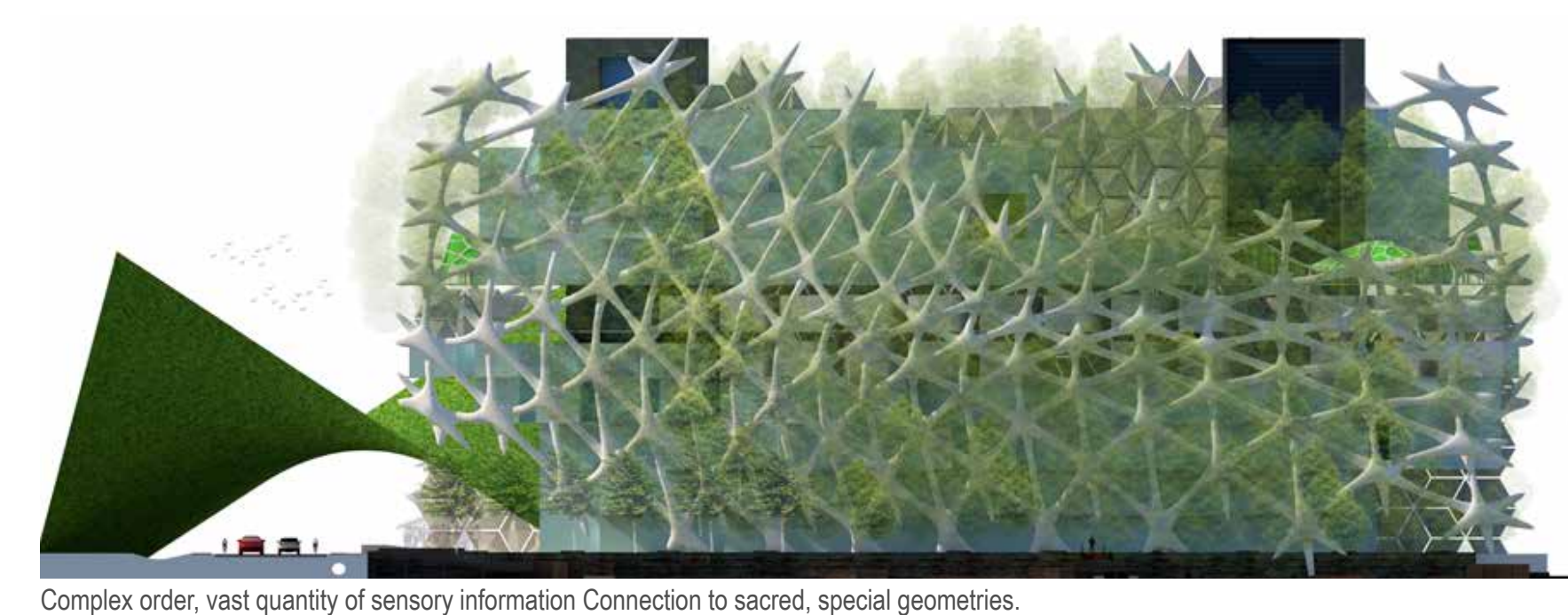
MID TOWN TRAIL PLAZA: Special geometries, ritual empowerment with life force energy and other techniques of work. Fostering attachment to space



FROM TWIN CITY - TO THE GARDEN CITY: Bringing building to life, transforming building practices through biophilic design, places that enhance the human and natural environment



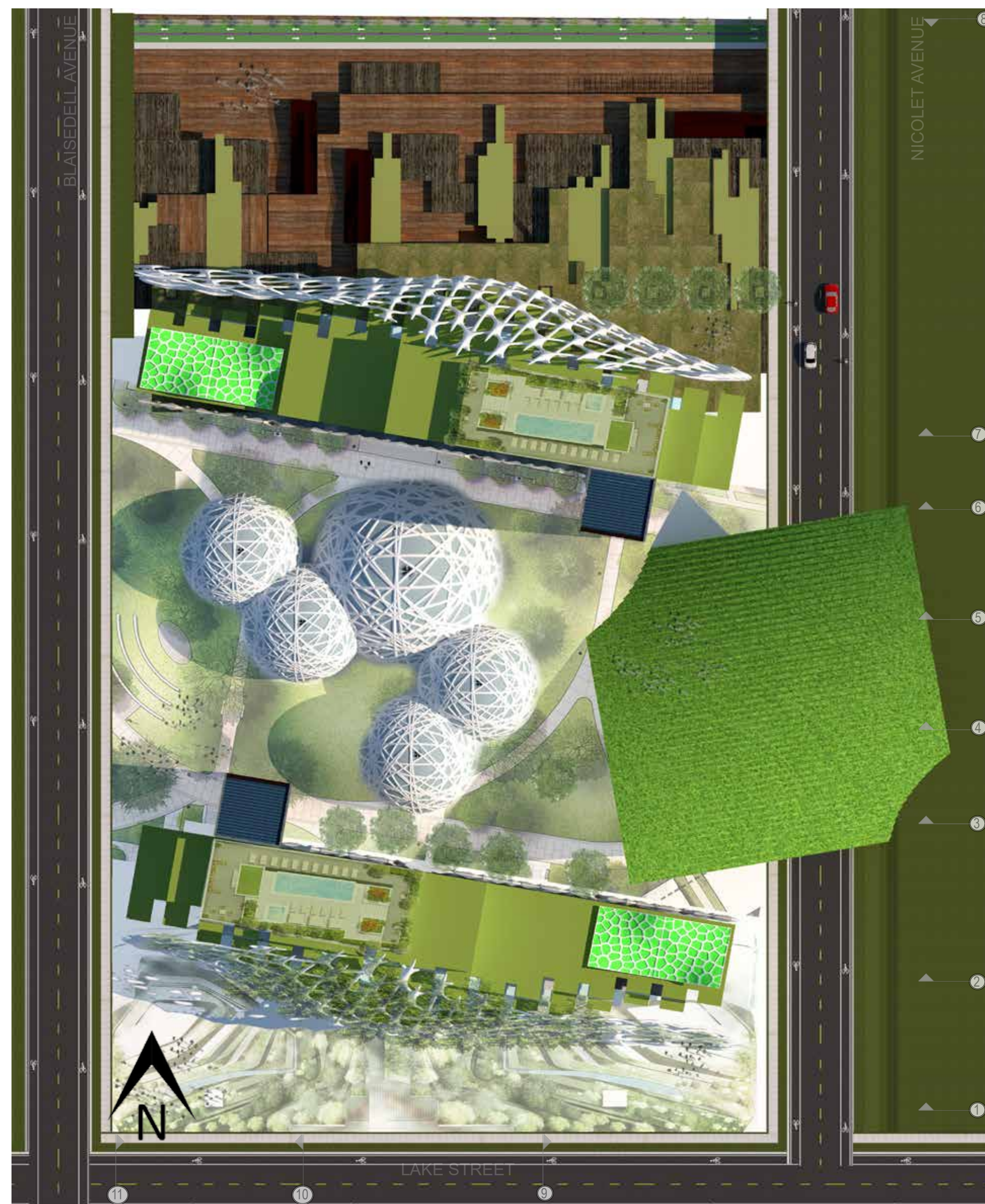
GREEN HOUSE INTERIOR: Foster attachment to space, Simulating nature with sky ceiling.



Complex order, vast quantity of sensory information Connection to sacred, special geometries.



TRAIL LEVEL - Easy access to natural trail, adaptability to balance urban setting and natural setting



**ROOFTOP GARDEN**

**GREEN ROOFTOP**

**SKY GARDEN**

**SIMULATING NATURE WITH SKY CEILING**

**OPERABLE FACADE**

**GREEN WALL**

**BIRD NESTING (GREEN HOUSE)**

**GREEN CARPET: SADDLE SURFACE**

**INTERIOR (VORONOI PATTERN)**

**HEXAGONAL WEAVING**

**BREATHABLE FACADE:**

**BUILDING CORE**

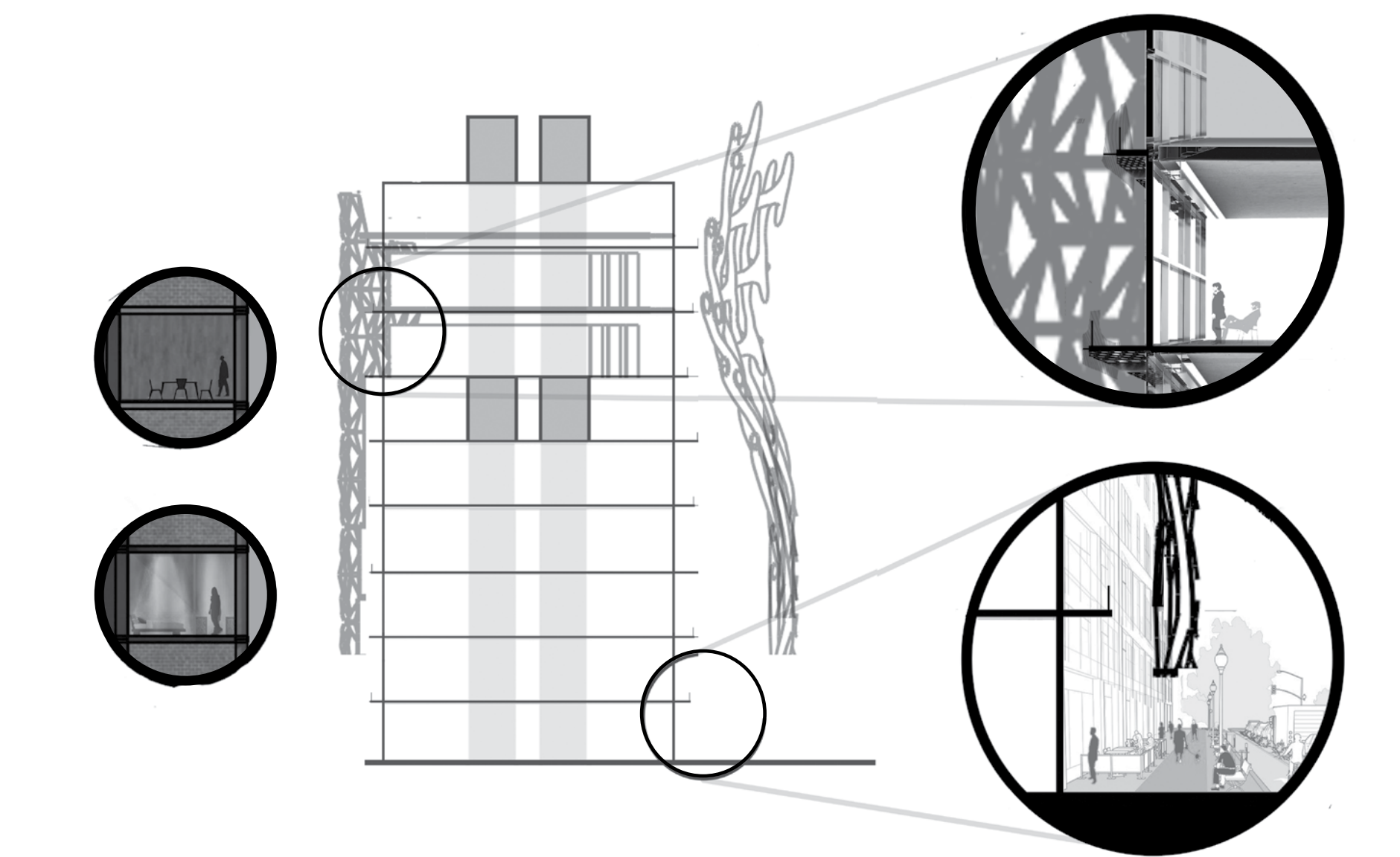
**PLAZA**

**ACCESS TO BIKE TRAIL (MID-TOWN TRAIL)**

**RETHINKING URBAN INFRASTRUCTURE:**  
Green Streets and Beyond, Organizing urban life around nature, Reforming Urban Planning System, Restorative Urban Biophilia



Balancing biophilia with other green design priorities  
Road map for transformation  
Maintain existing trees and landscape surfaces



Fostering attachment to the place, help get the message out.