



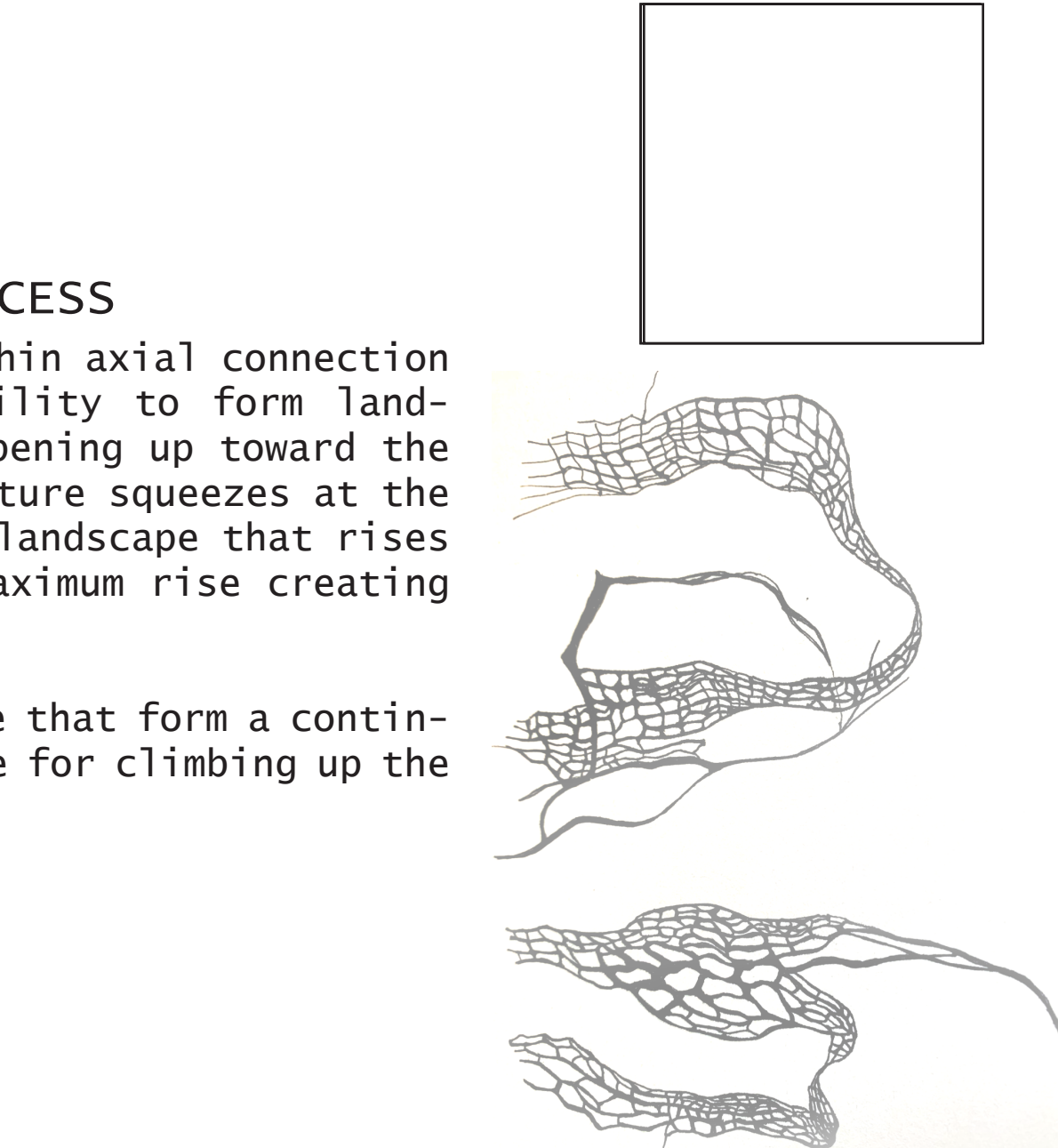
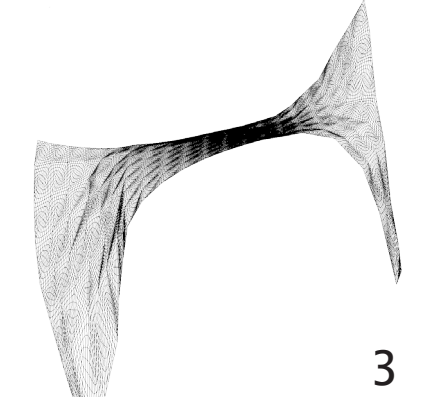
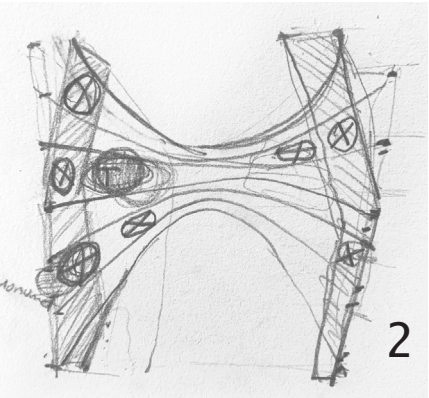
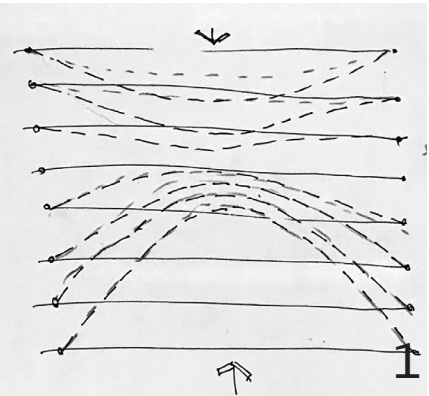
Ompil.e Mountain Park is a destination space, a superstructure that rises from the earth, peeling up to create a mountainous shell above the existing site, forming an elevated, semi-perforated topology with gardens above and below. It embraces its local citizenry while breathing new programmatic life into its surroundings. High-performance, ecological, and adaptable design connects to the social and economic structures that give it rise, in turn creating capital and resources to support art, education, and science. Ompil.e Mountain Park looks toward building the future as it could be collectively constructed, through enhanced methodologies, raising awareness about the earth and environment.



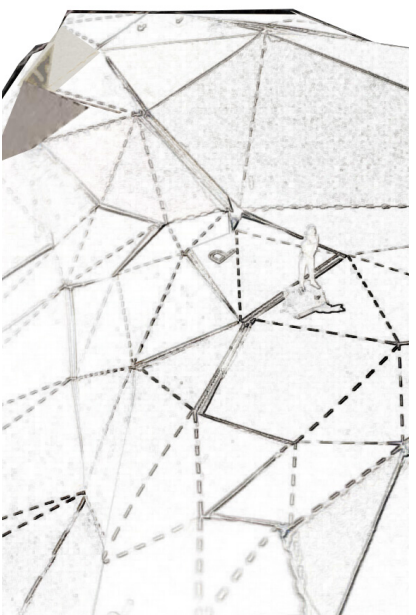
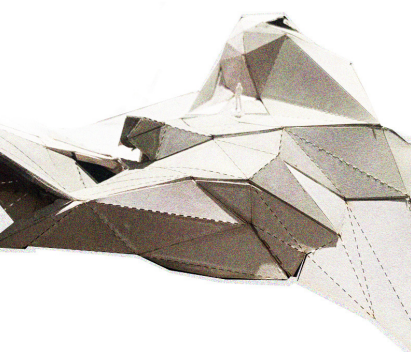
METHODOLGY AND DESIGN PROCESS

Continuation of the structure within axial connection across the site, creating flexibility to form landscapes, while at the same time opening up toward the natural environment, as the structure squeezes at the bridge [1,2]. The folds create a landscape that rises toward the northwest, with the maximum rise creating viewing and hangout areas [3].

Combination of diffrent base piece that form a continuous landscape--a scalable surface for climbing up the new mountain[4]

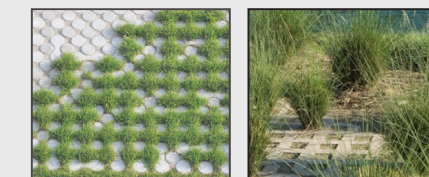


Early Concept sketches

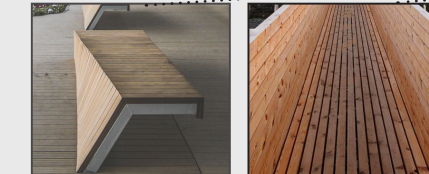


Paper Study Models

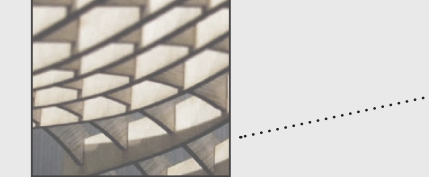
NET-ZERO ENERGY DESIGN STRATEGIES



Permeable Surfaces, vegetated roof with native plants



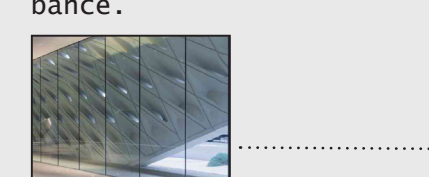
Integrated recycled content in concrete structural trail system and benches



Maximize daylight and views through perforated structure



Solar array solar powered, tectonic lighting activated by motion sensors to protect aviation and fauna from disturbance.



Energy efficient, insulated glazing Operable windows for increased ventilation

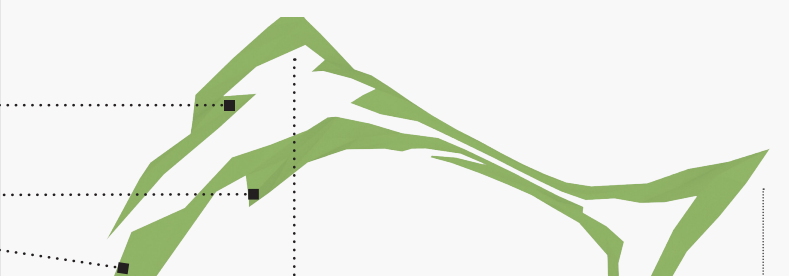


Rainwater harvest filtration pond, Bio-diverse planting strategy to attract wildlife to the site

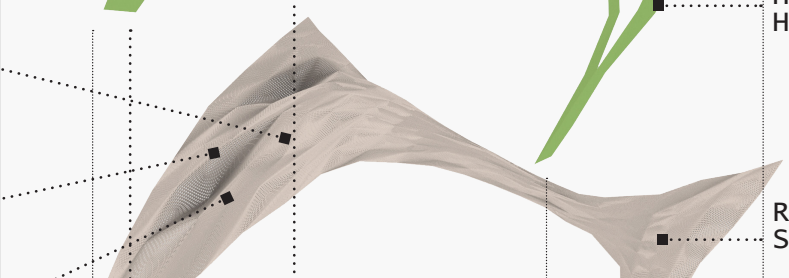


Bio-diverse gardens and orchards

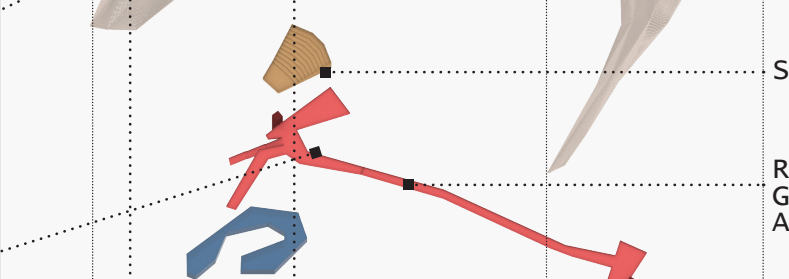
STACKED DIAGRAM OF PROPOSED PROGRAM AND ELEMENTS



HILLSIDE ROOF LAWNS AND HABITAT ZONES



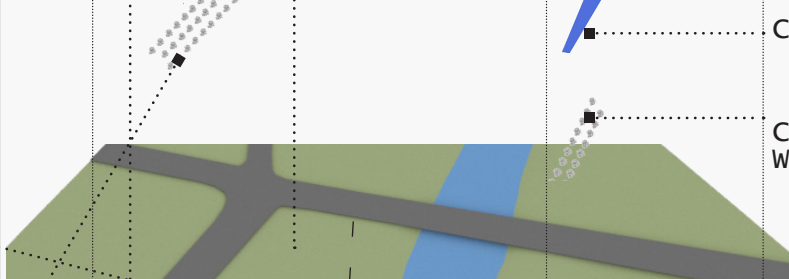
REINFORCED CONCRETE SUPERSTRUCTURE



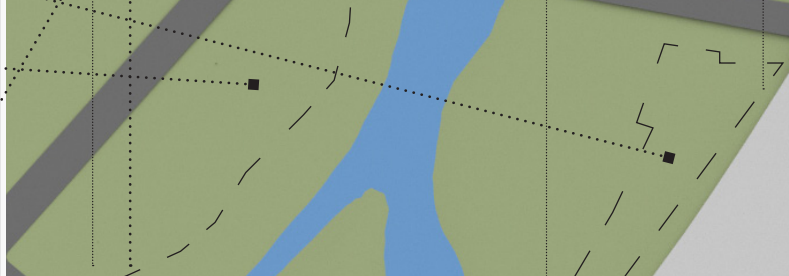
SKY DOME AMPHITHEATER



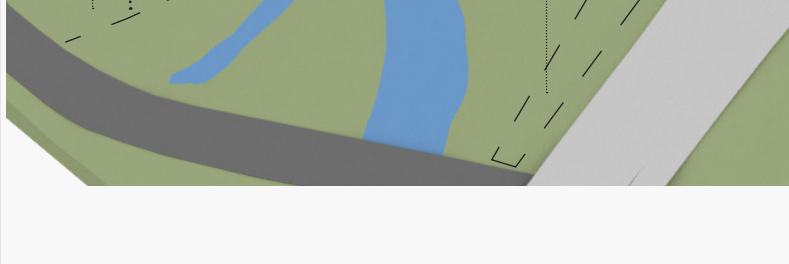
ROOF BRIDGES WITH INTEGRATED ACCESSIBLE RAMPS AND ELEVATORS



MODULAR GLASS MARKET DISTRICT



MODULAR GLASS EDUCATIONAL CENTER



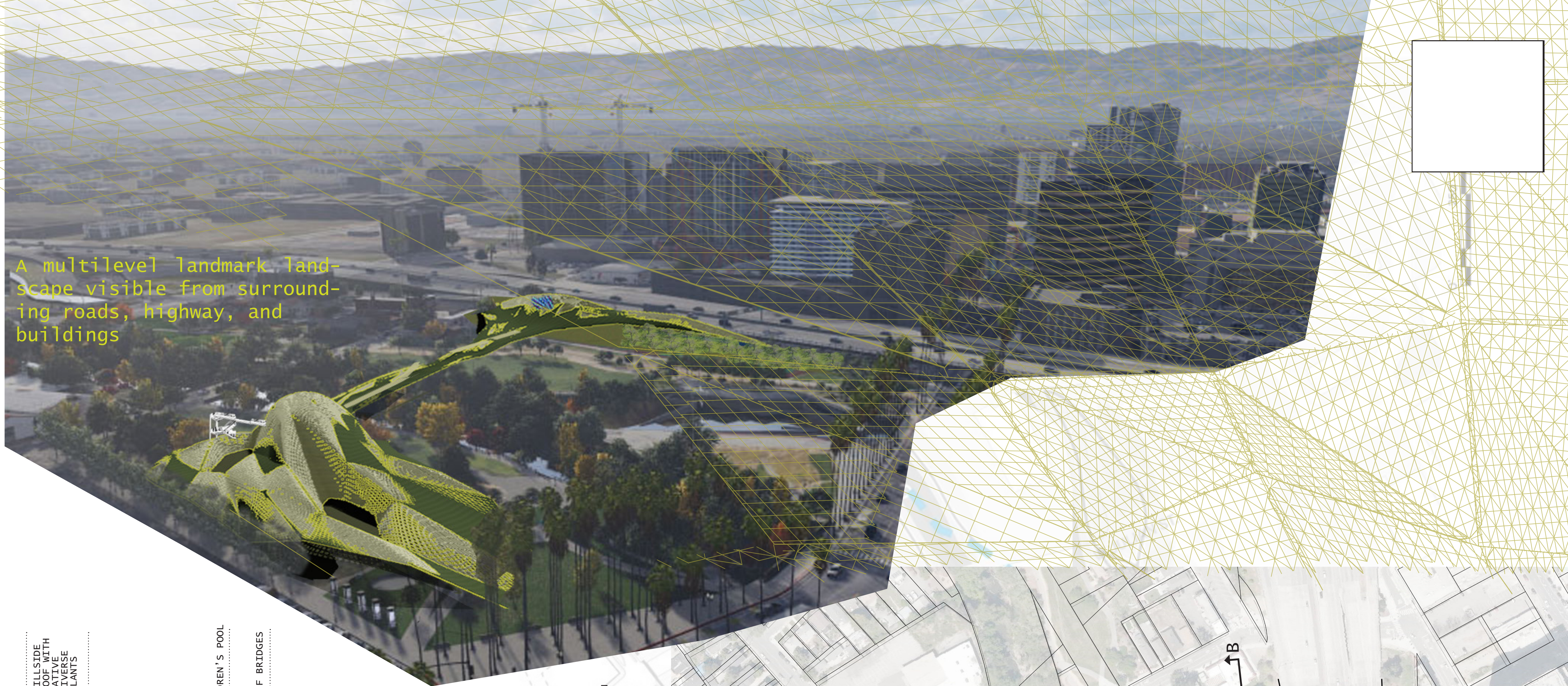
CHILDREN'S POOL

CHERRY BLOSSOM ORCHARD WALK

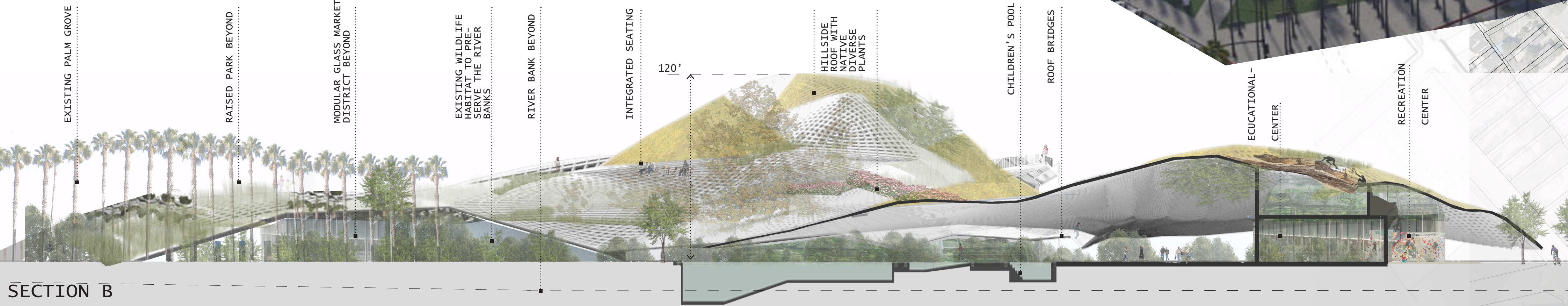


Interior of west wing community space

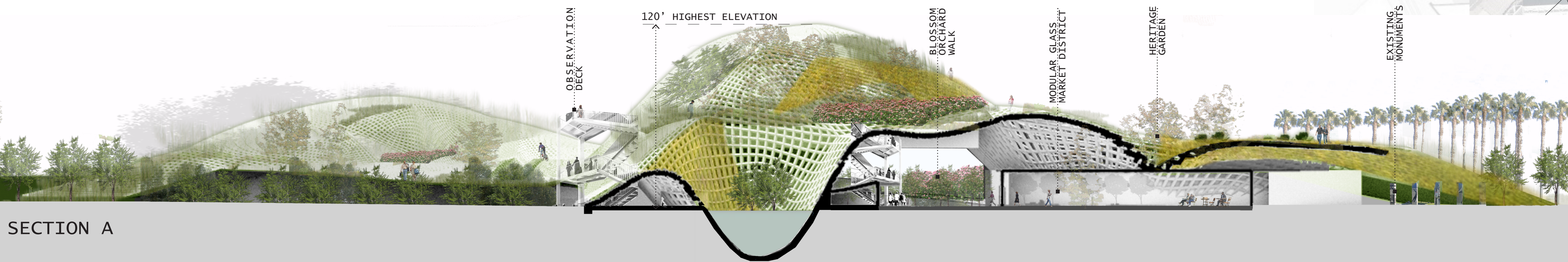
An urban promenade oasis, a cool haven, a shelter from sunlight during the day, with adaptable public space under a raised hillside roof park, with views to orchard gardens



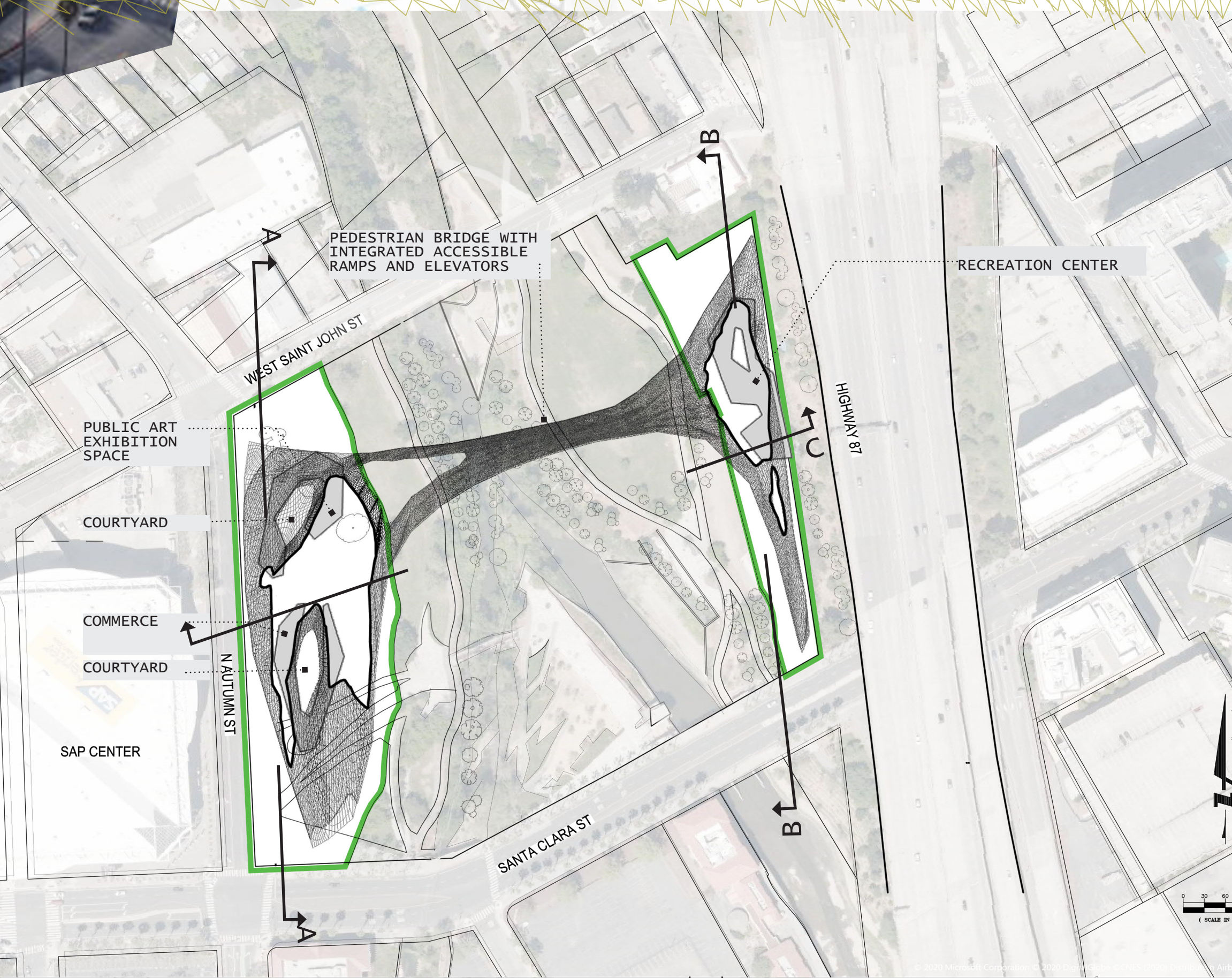
A multilevel landmark landscape visible from surrounding roads, highway, and buildings



SECTION B

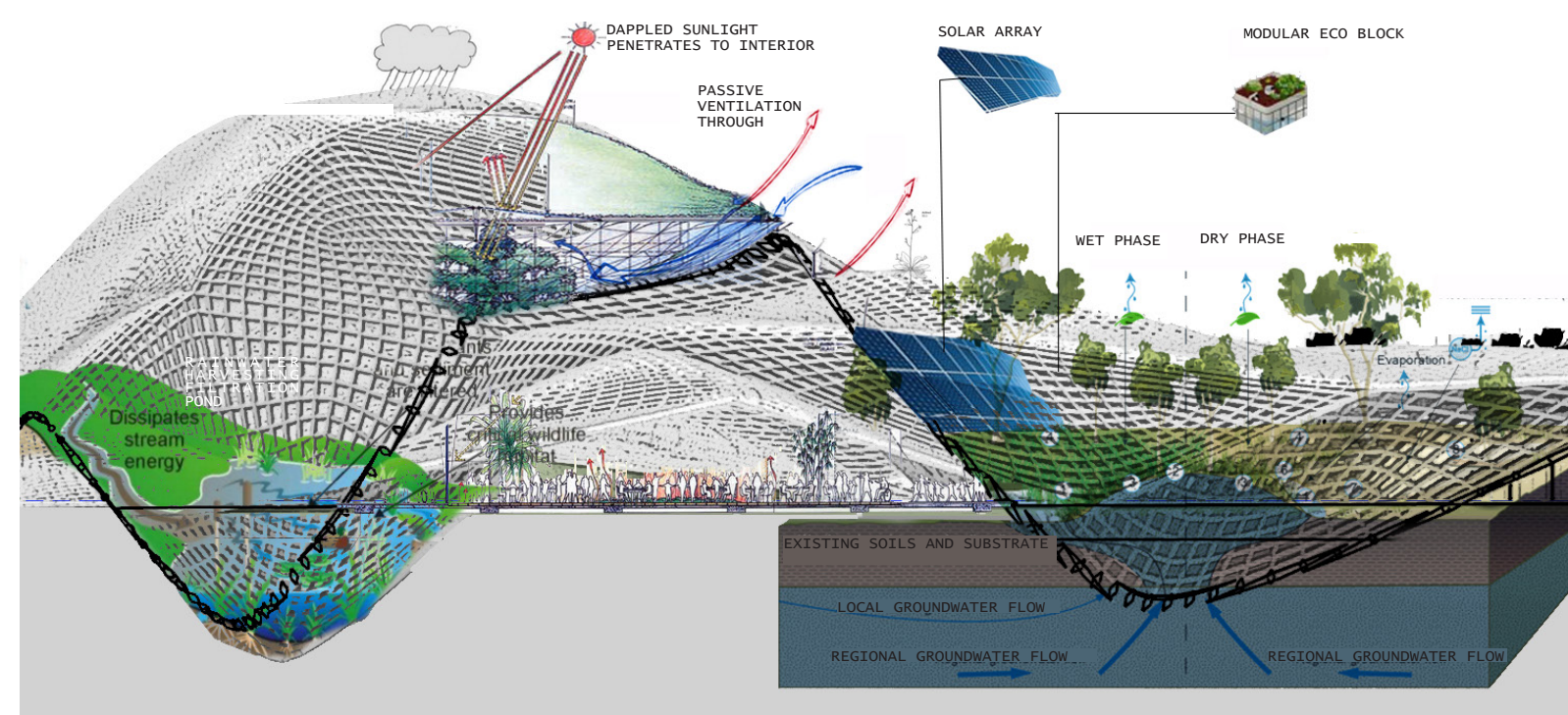


SECTION A

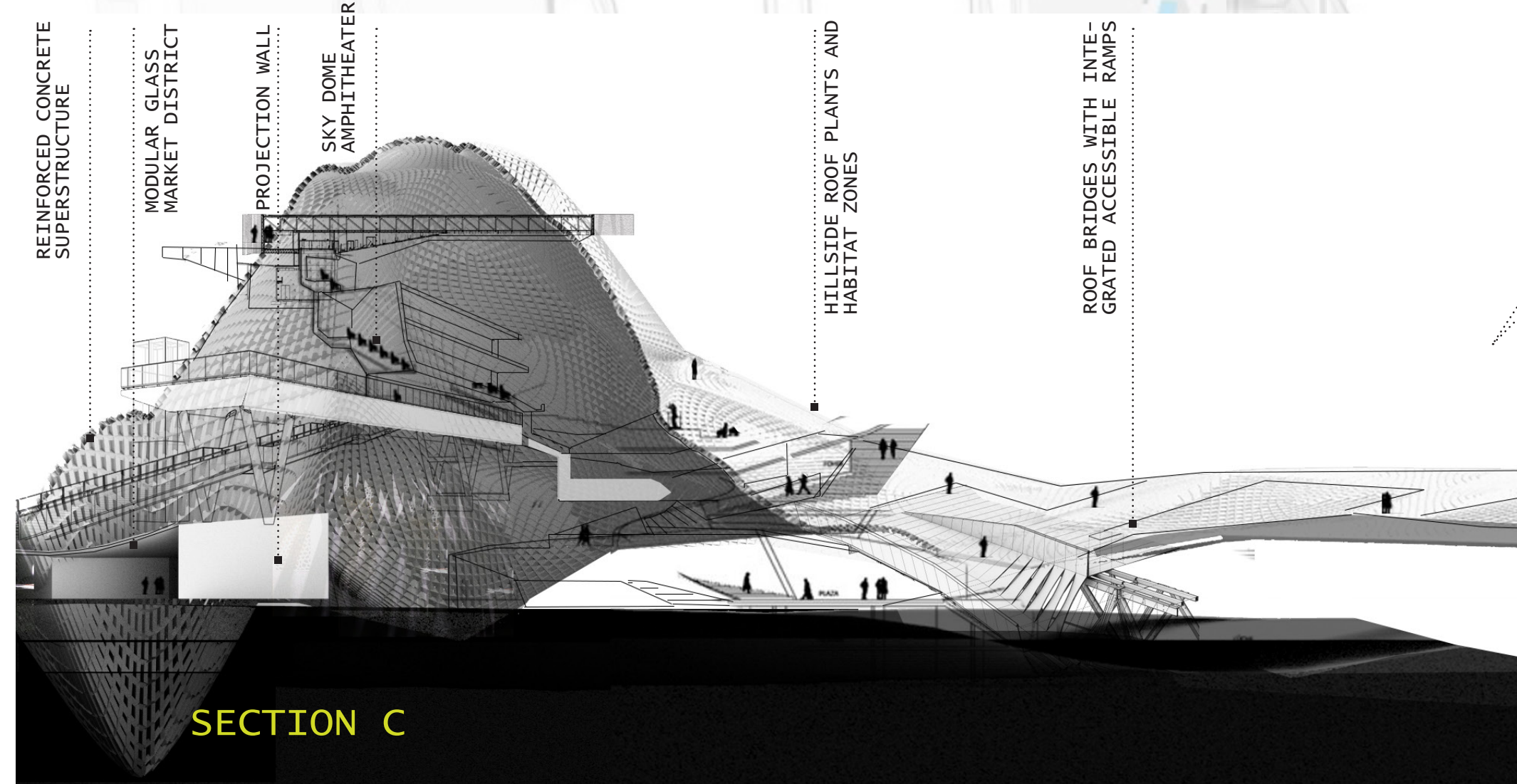


Lighting Strategies

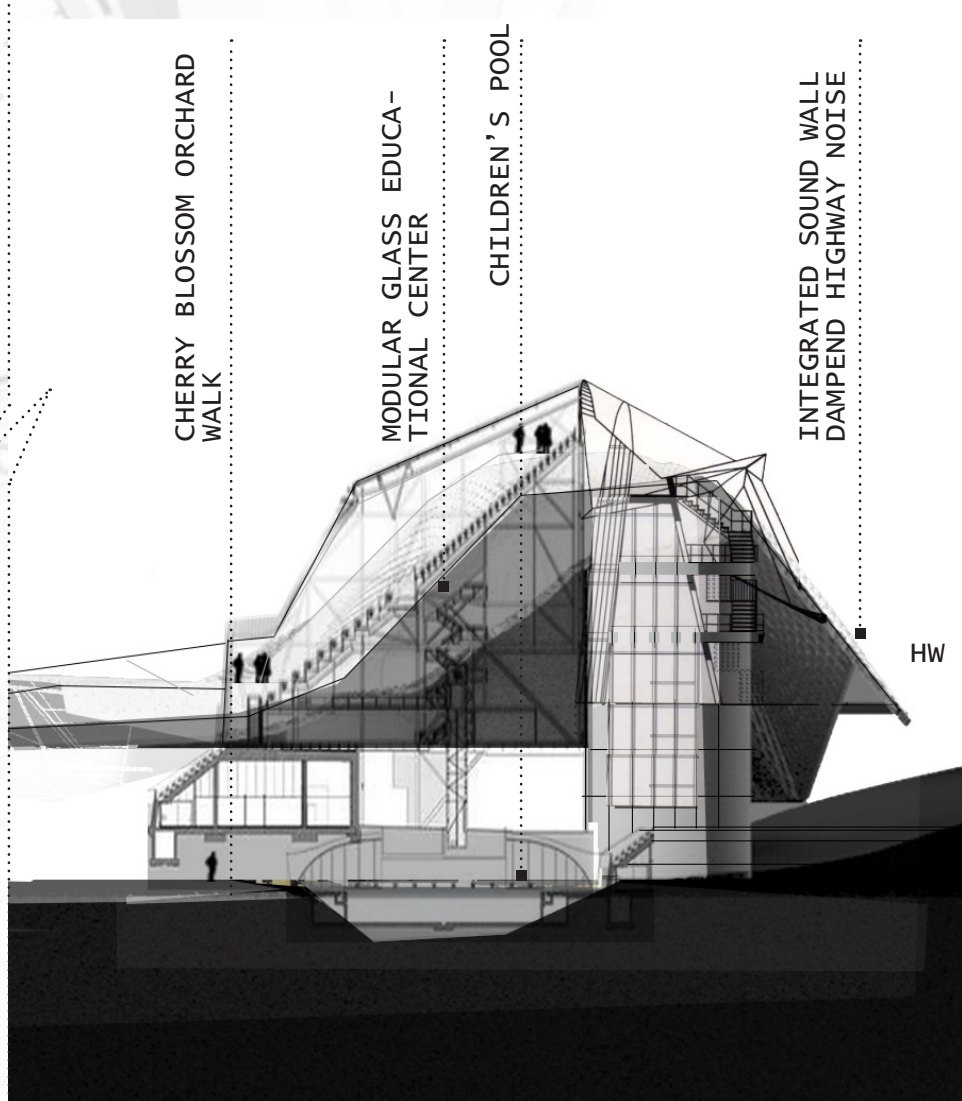
All lighting to be in green or blue wavelengths. No steady, direct light beams directed upwards. Shielded kinetic, solar powered, motion sensing downlighting along circulation paths and bridge. Interior lighting in main structures is low-level, ambient, with the ability to be cut back or off at certain hours or during migration seasons.



The concrete structure is covered with a graceful skin supporting plants and photovoltaic solar arrays that provides shade, energy and shelter. The skin adapts to the environment, reducing heat gain and providing a breeze through the textural perforated structure. An integrated solar tube trellis generates energy.



SECTION C



HW 87