



City Forest

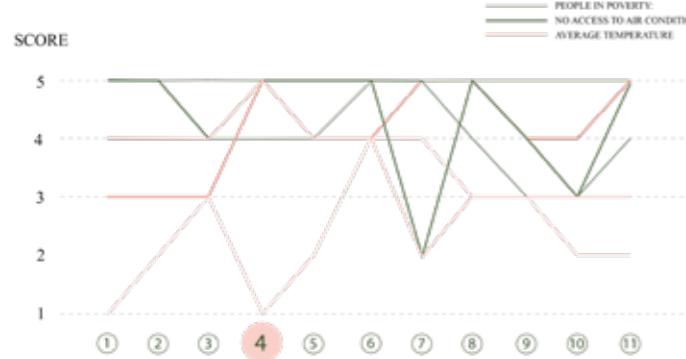
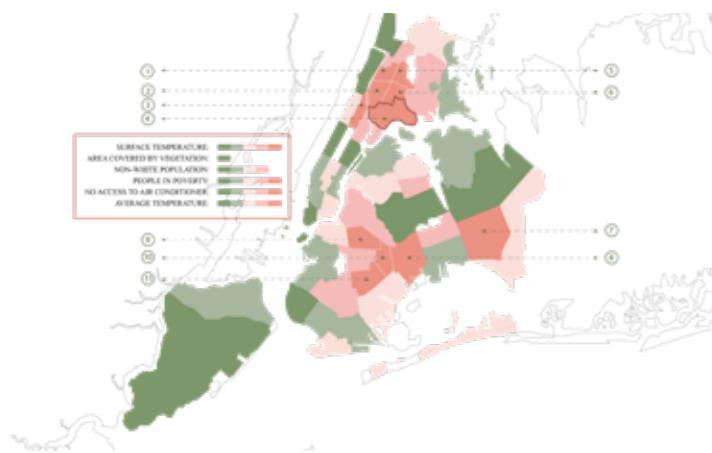
Site: New York, The United States

Instructor: Claudia Wigger

Type: Individual Work



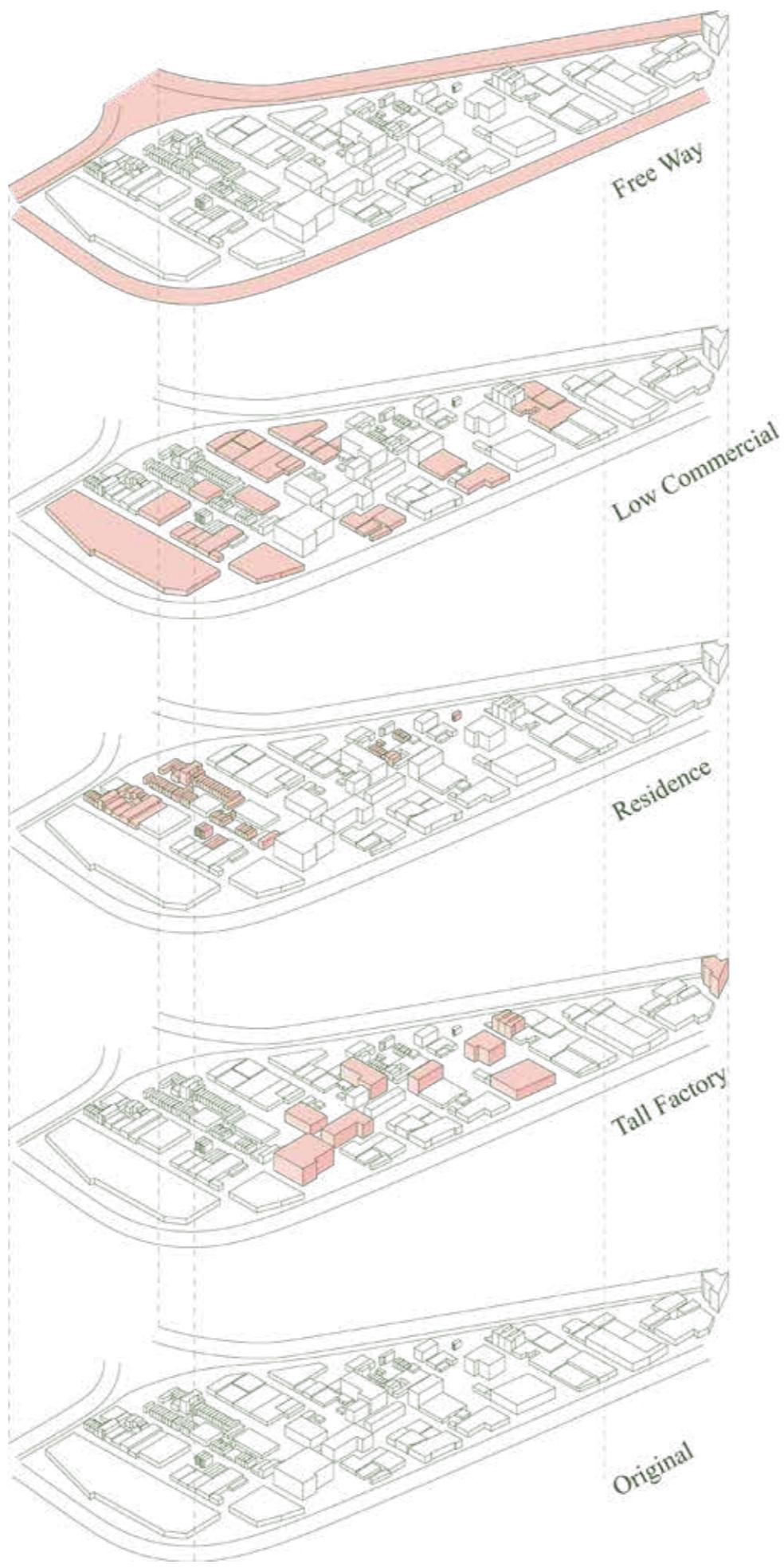
Due to the heat island effect, the temperature of New York City is much higher than other place. Through our investigation, we found out that increasing tree canopy could efficiently mitigate the heat island effect. However, it is hard to get enough tree canopy in New York City due to the dense population. In order to increase shadow without infringing on private space, in this project, we propose an innovative method, which utilizes the street space to provide tree canopy, while maintaining its original function at the same time.



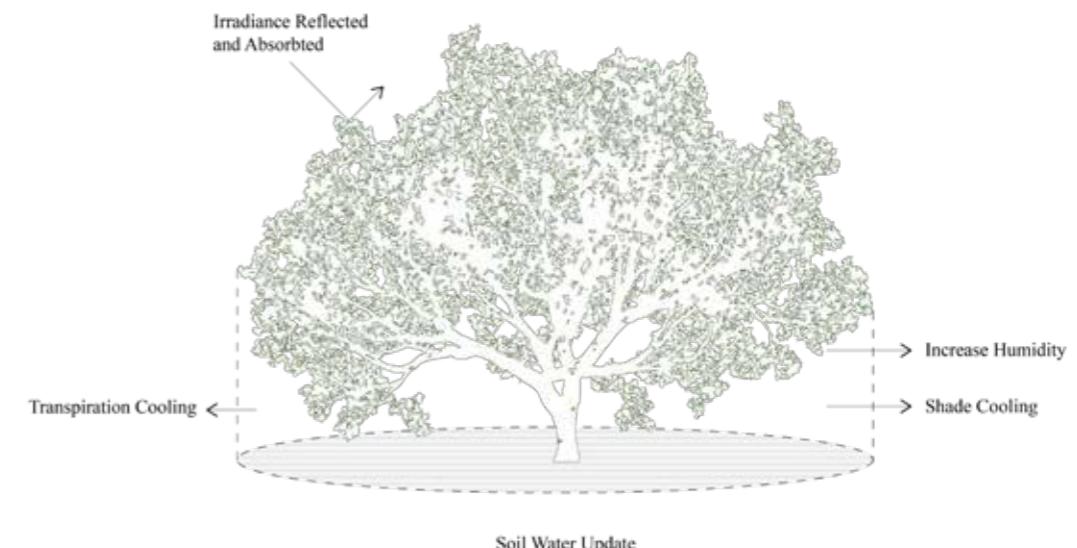
Vulnerability to Heat in New York



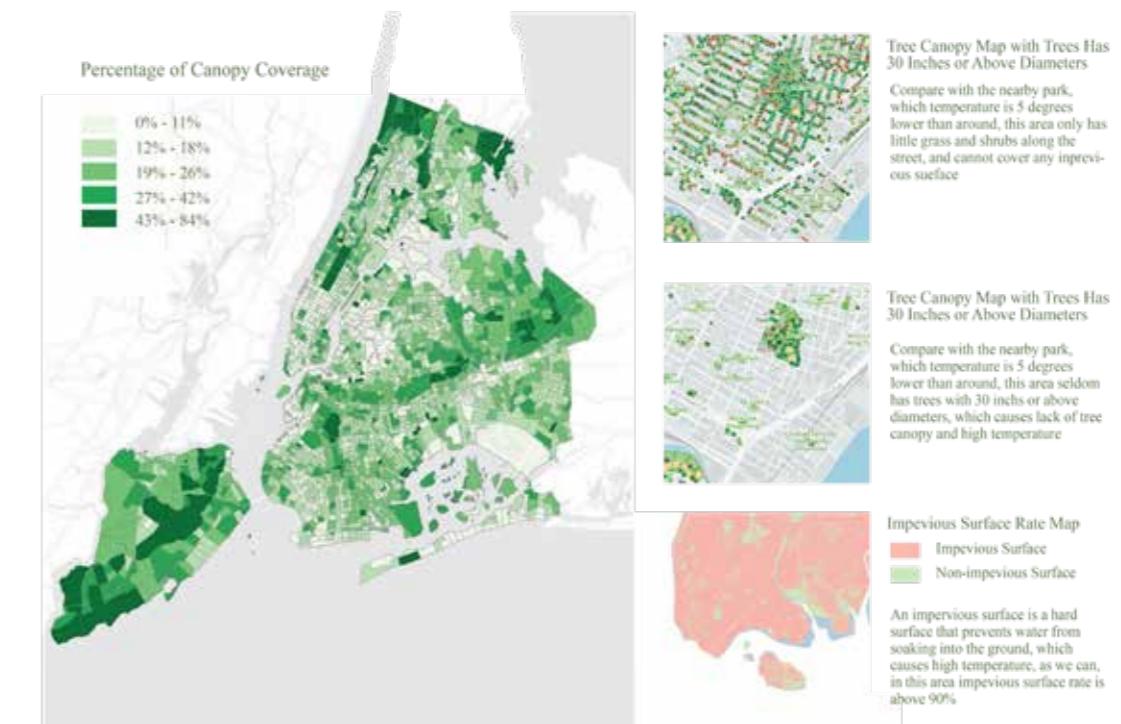
Heat Island Effect



Site Analysis



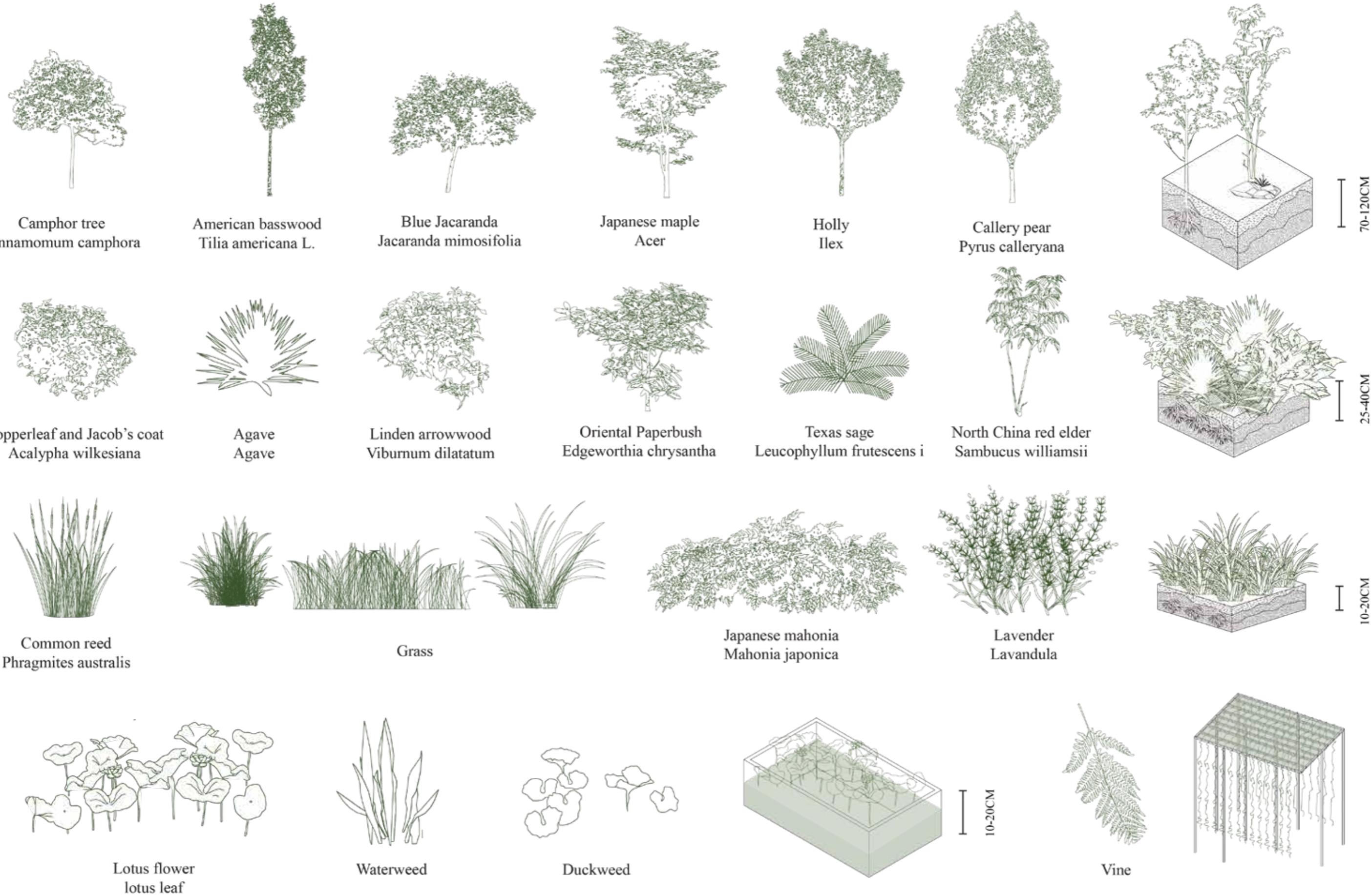
Tree Canopy Function



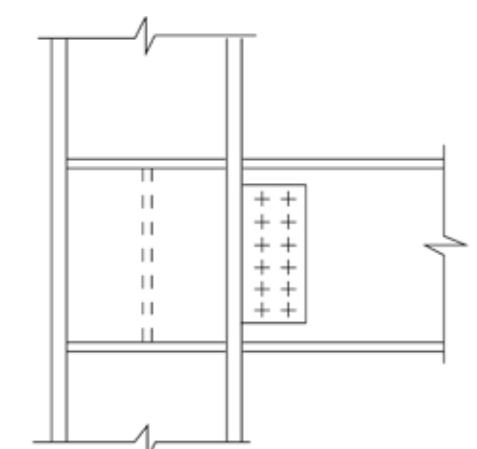
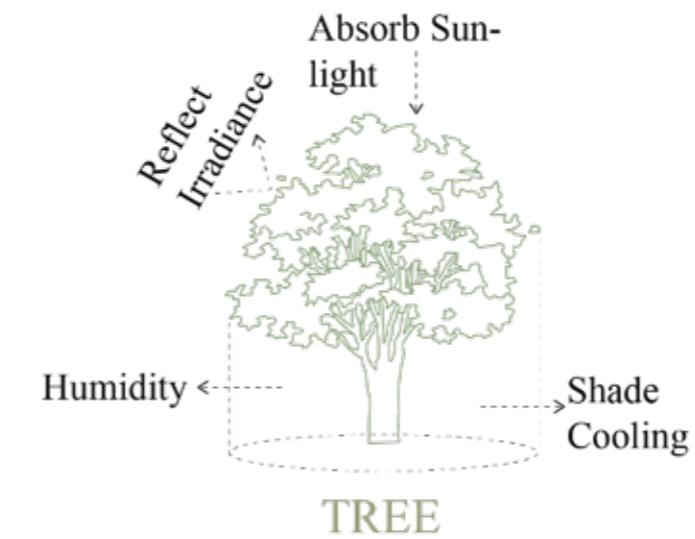
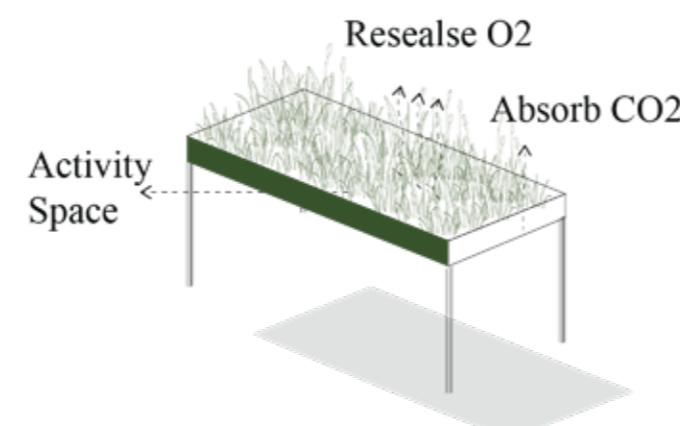
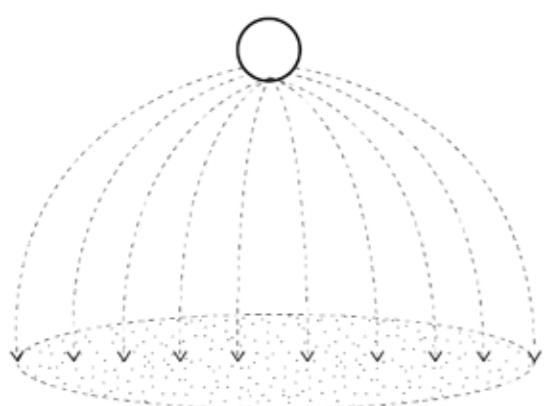
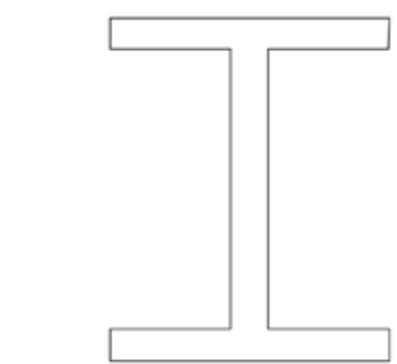
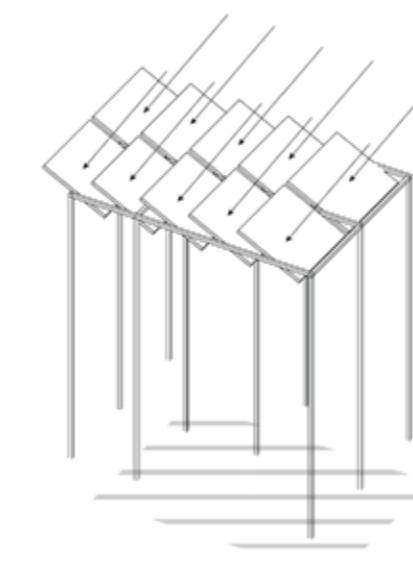
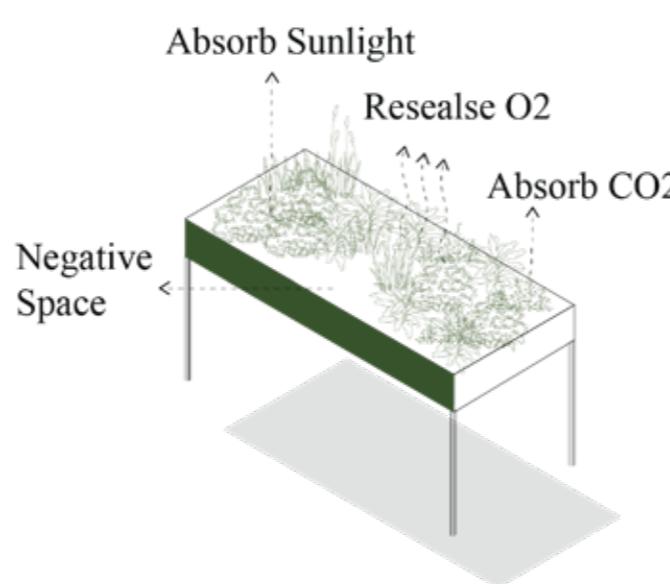
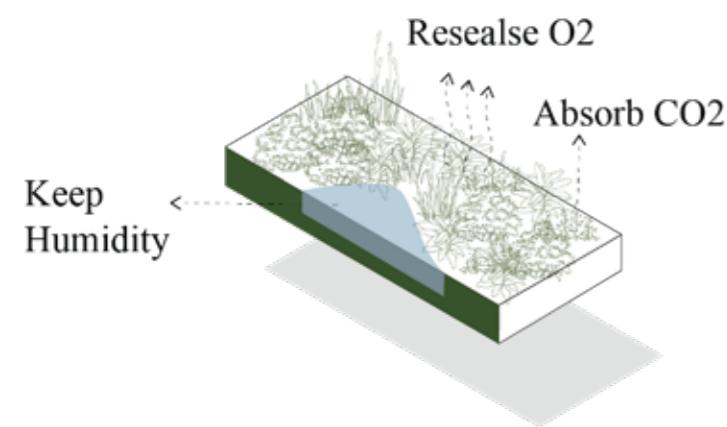
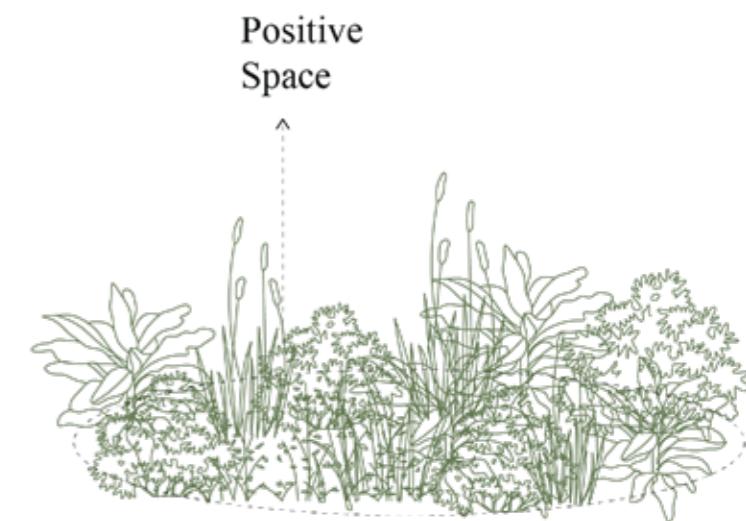
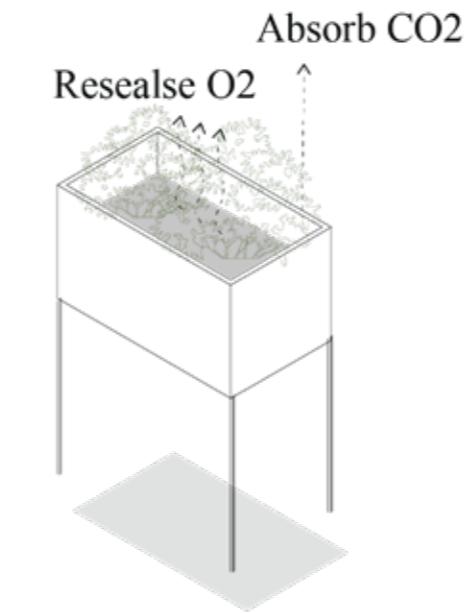
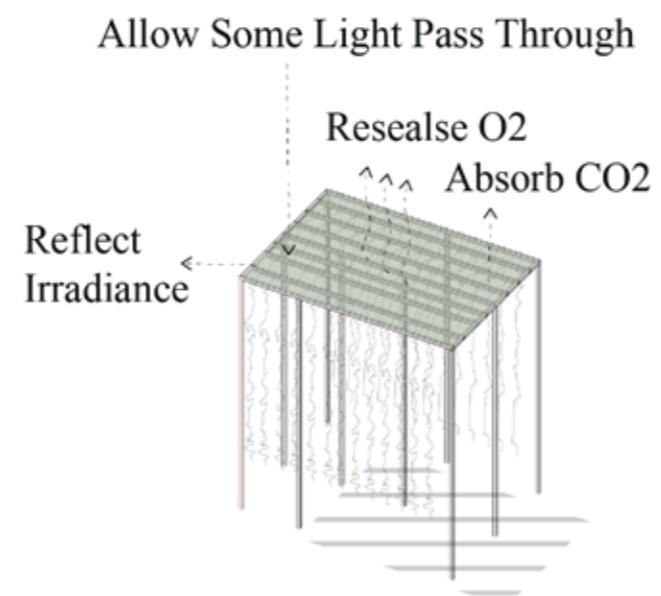
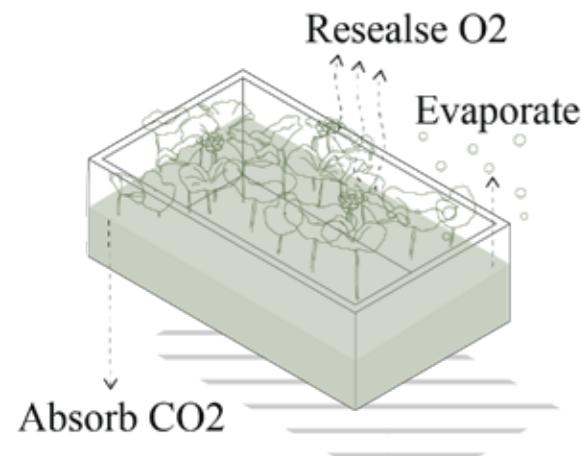
Tree Canopy Analysis in New York



Tree Canopy and Space



Tree Categories In New York





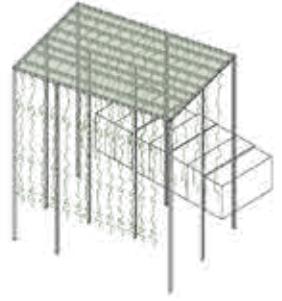
Residence



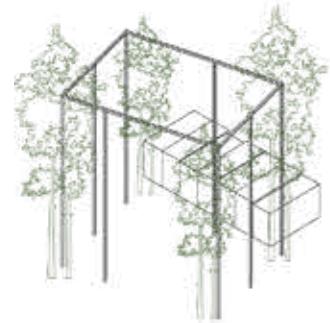
Solar Panel



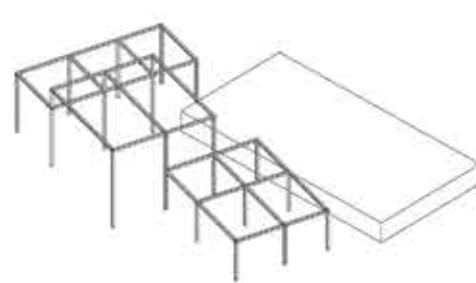
Shrub



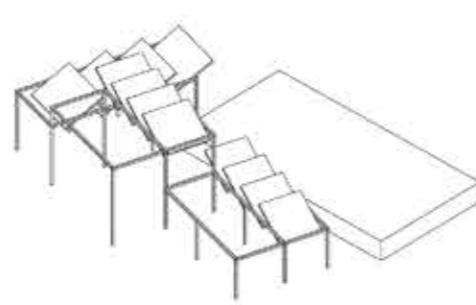
Vine



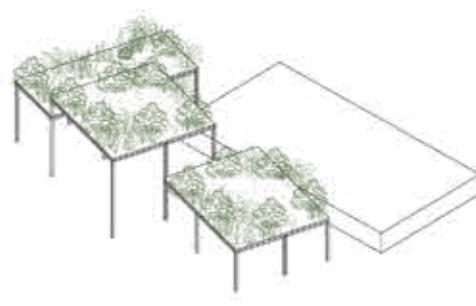
Tree Canopy



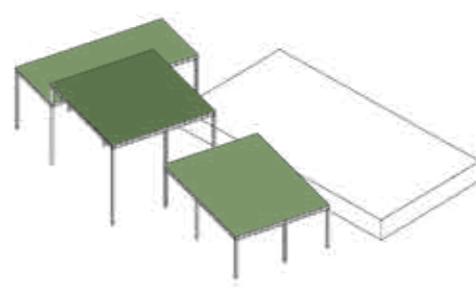
Commercial



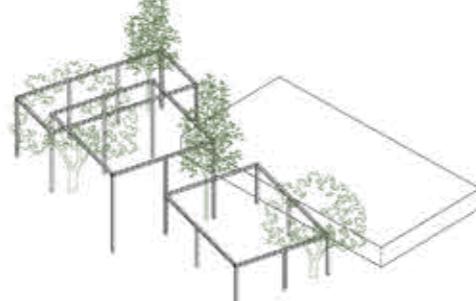
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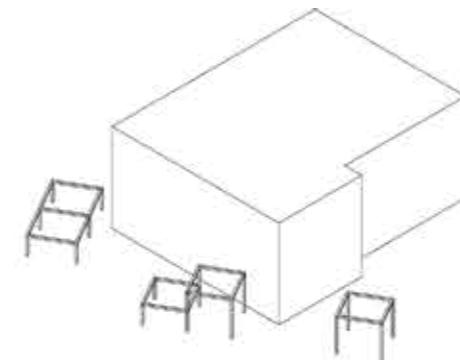
Shrub



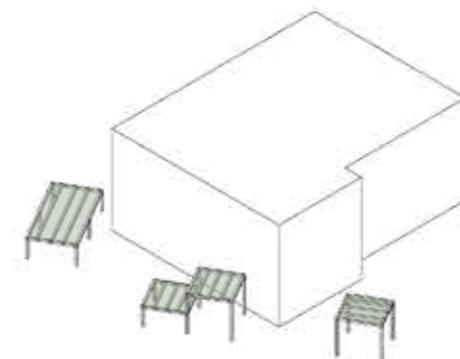
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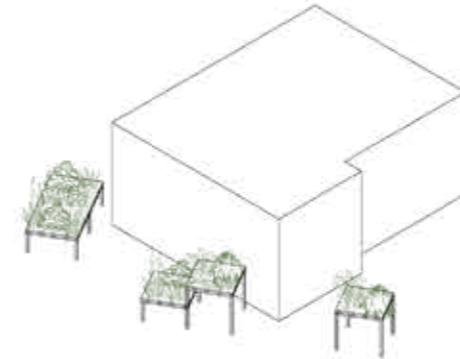
Tree Canopy



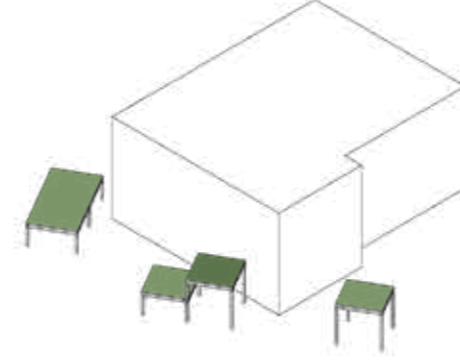
Factory



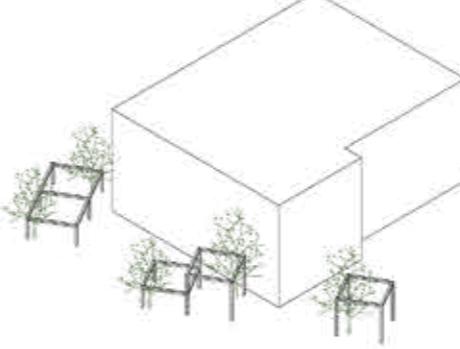
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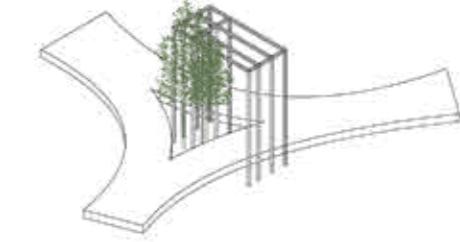
Shrub



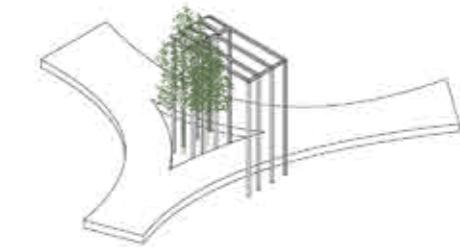
Grass



Tree Canopy



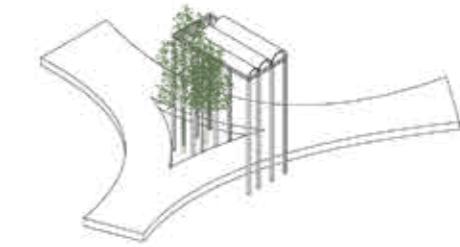
Free Way



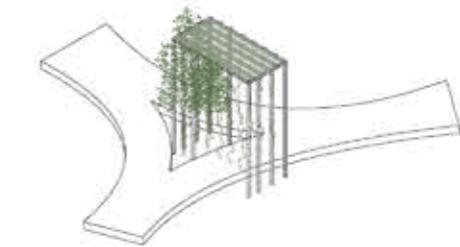
Solar Panel



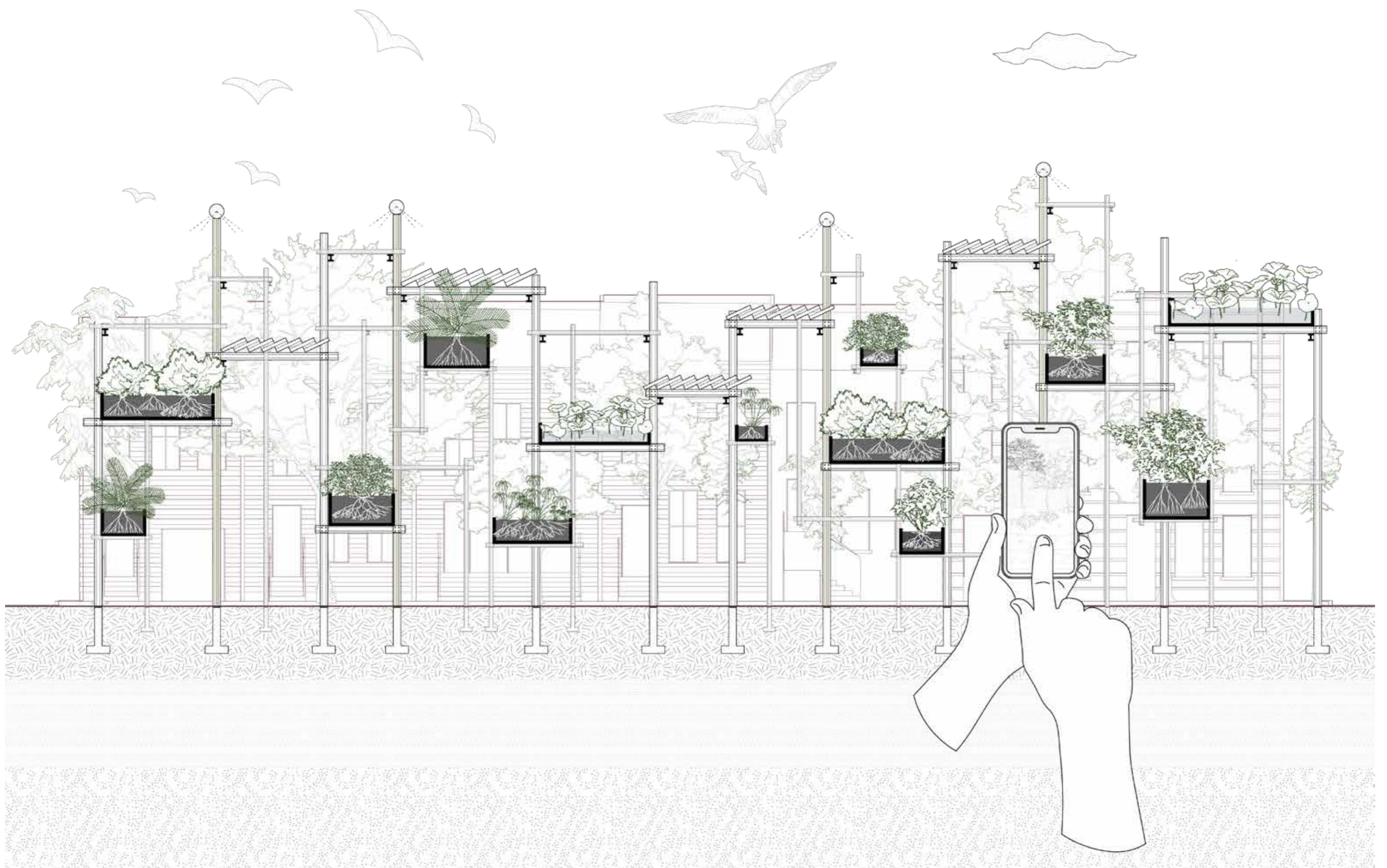
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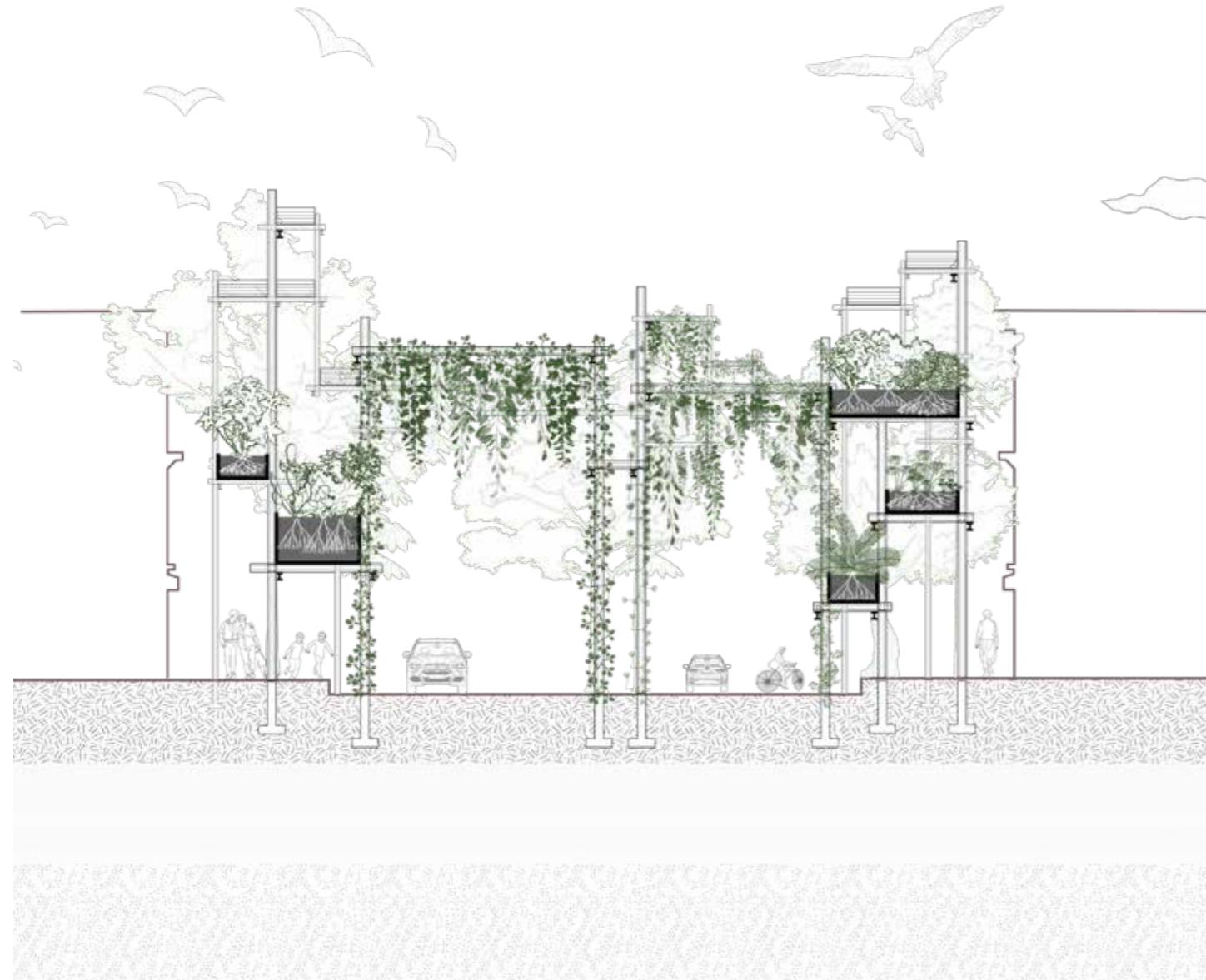
Path



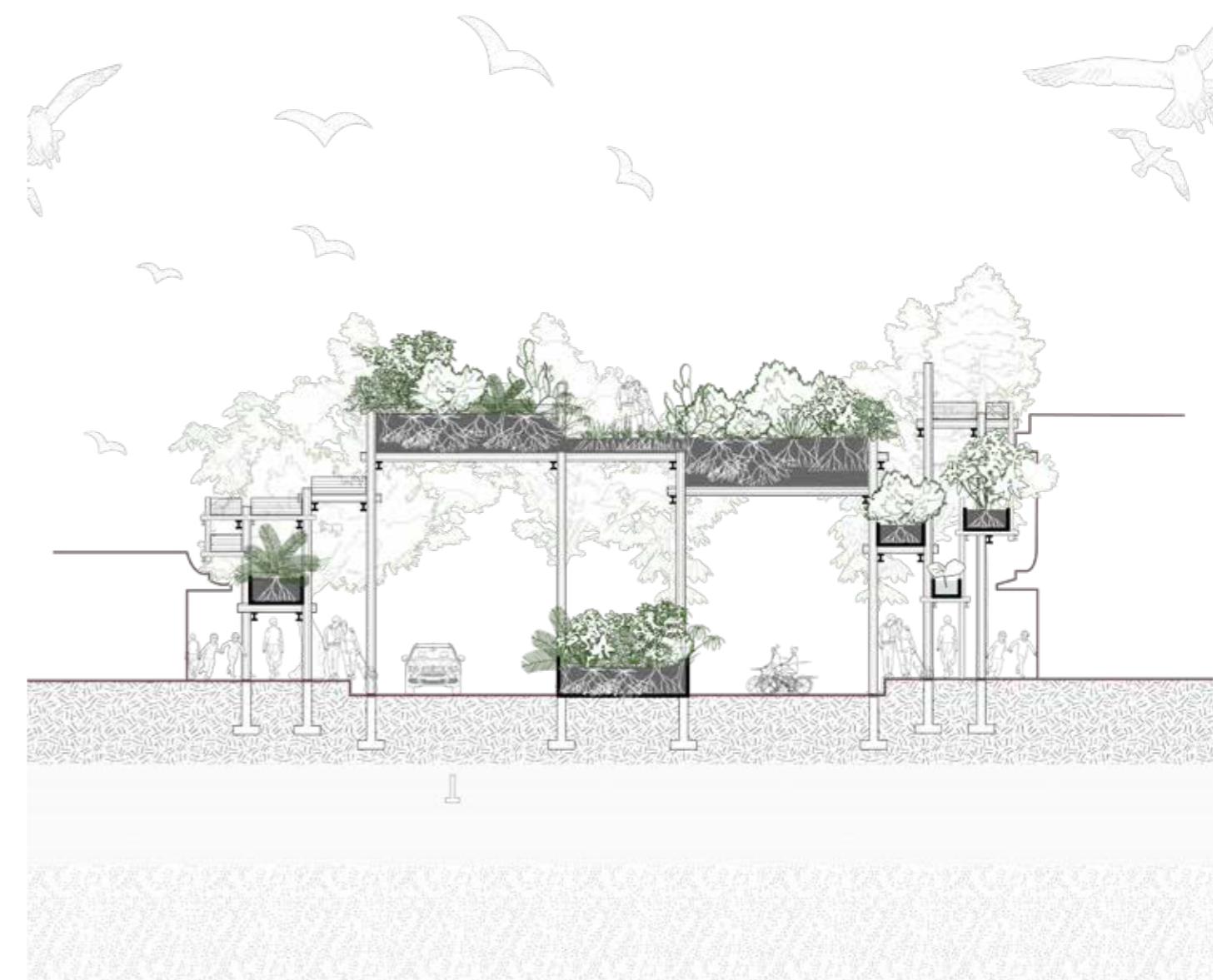
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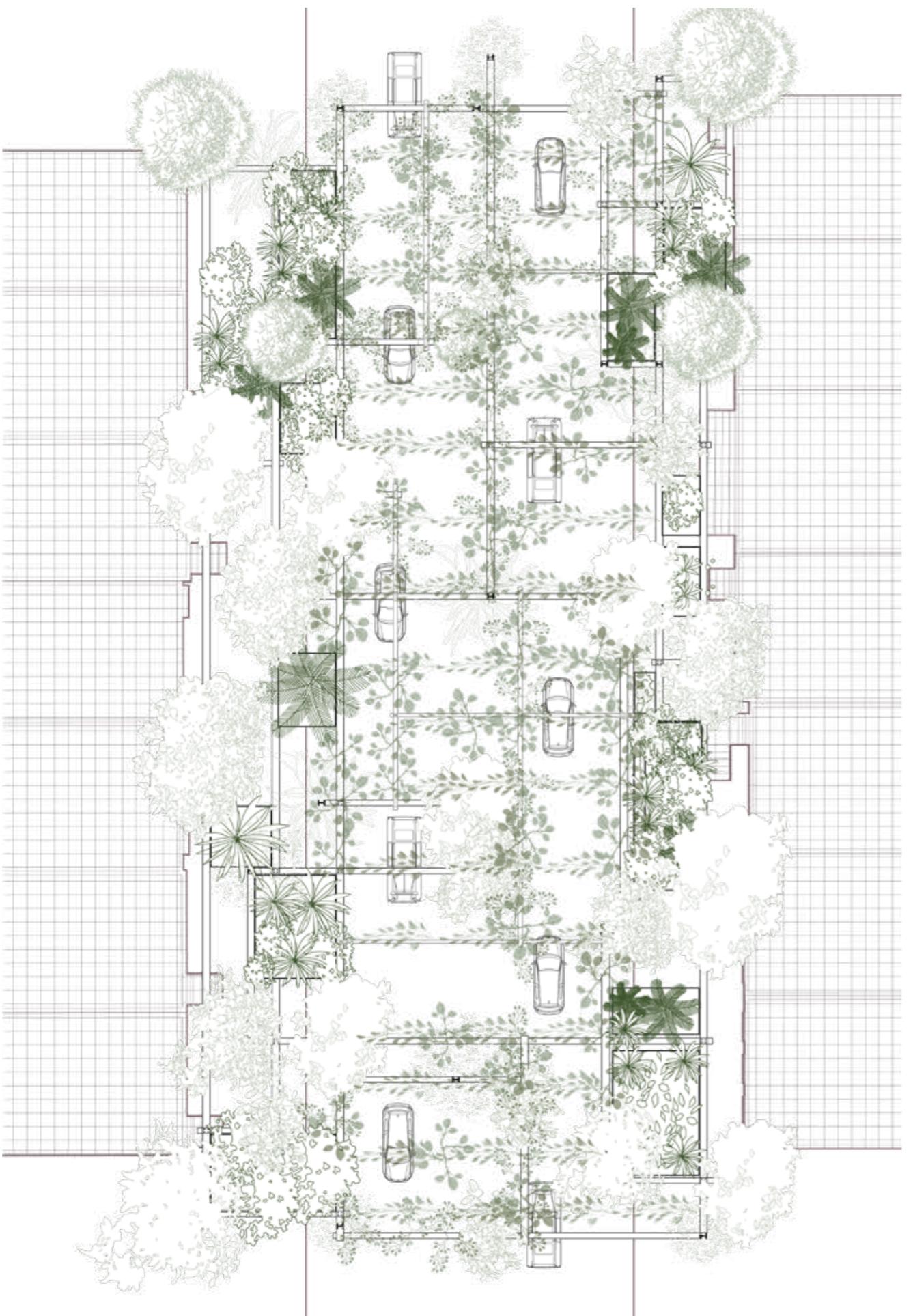
Longitudinal Section



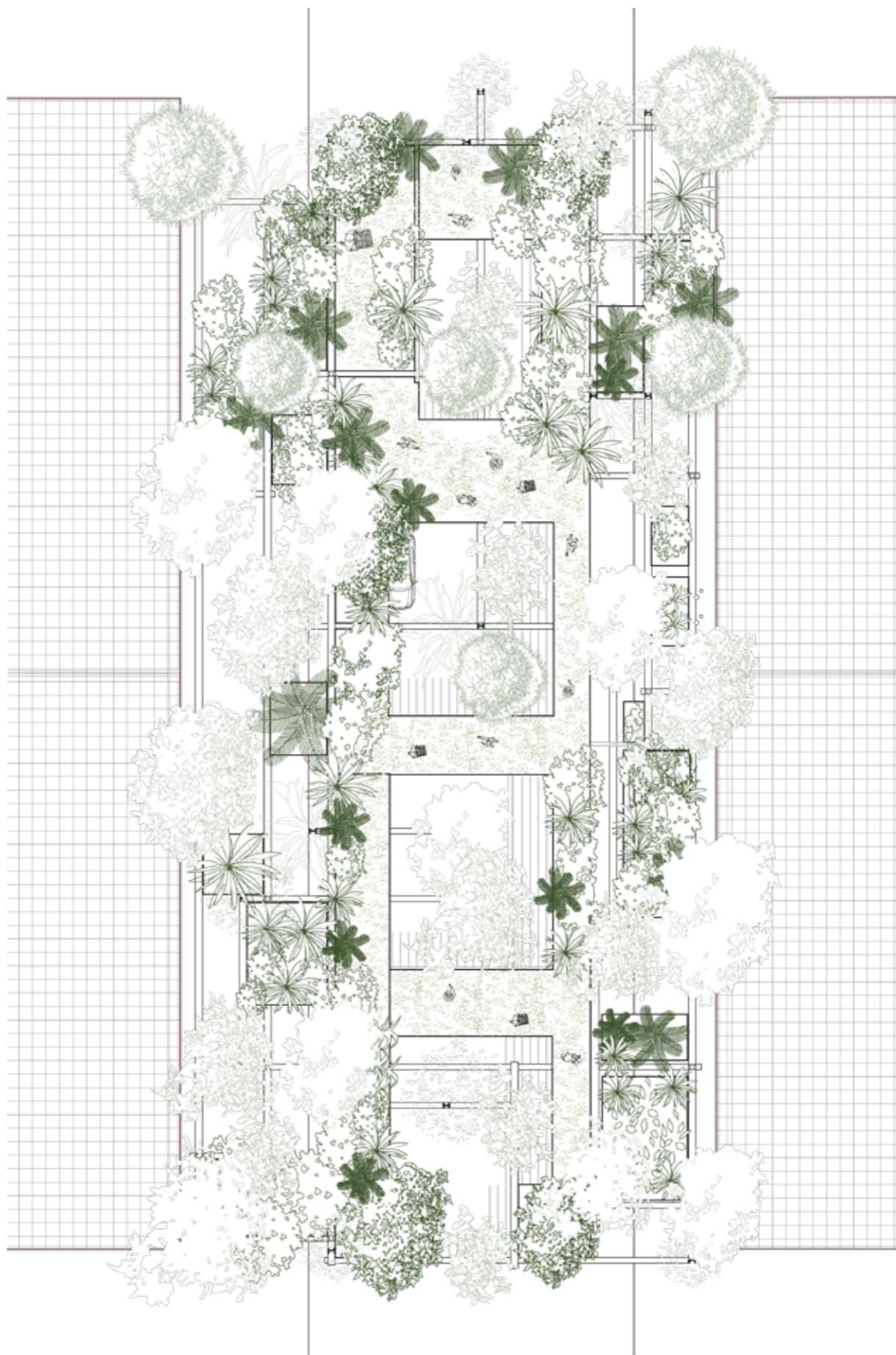
Transverse Section In Residence Area



Transverse Section In Commercial Area



Plan In Residence Area



Plan In Commercial Area

