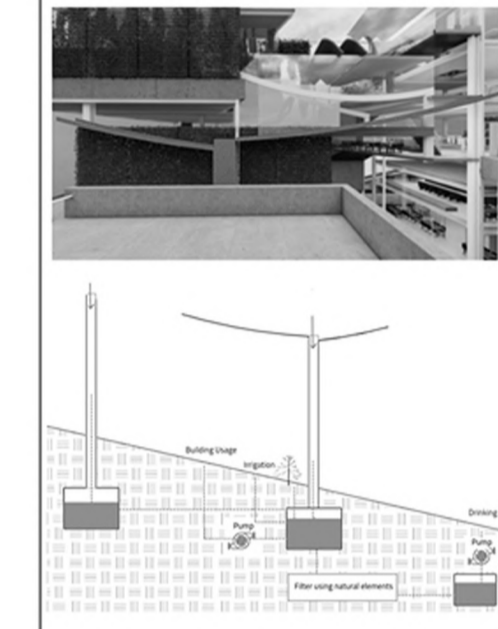


Adaptive Socio-Cultural EpiCentre

Sustainable Techniques

Water Efficiency

Two Rainwater Collectors

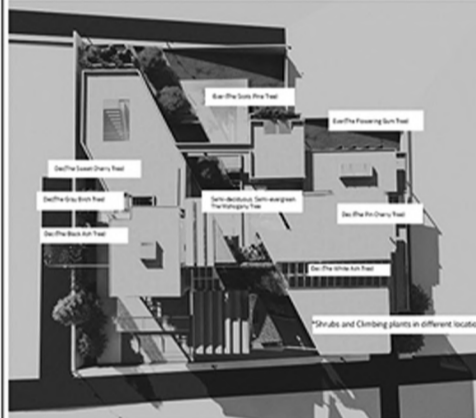


Greenery

Hydroponic Walls



Trees Distribution Map
(Type, Color, Max Height, Location.)



Light and Ventilation Techniques

Operable Skylights



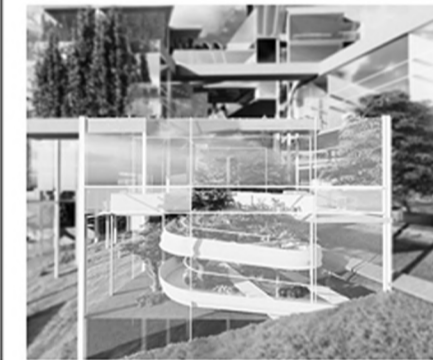
Wind Paths



Vertical Louvers

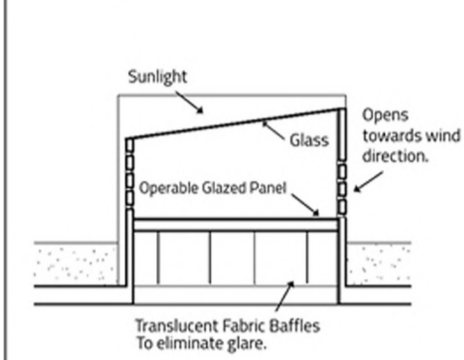


Automated Windows

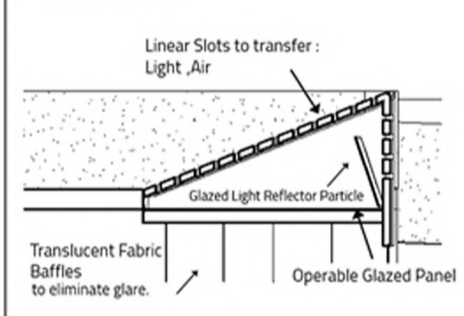


Light and Ventilation Techniques

Technique 1



Technique 2



Indoor Environmental Quality

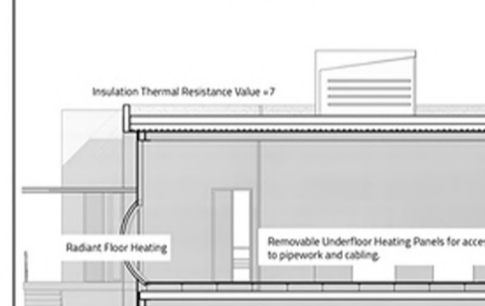
Single Glazing Noise Barrier
(Mostly in reading rooms)



Climate-Protected Loggia with Single and Double Glazing



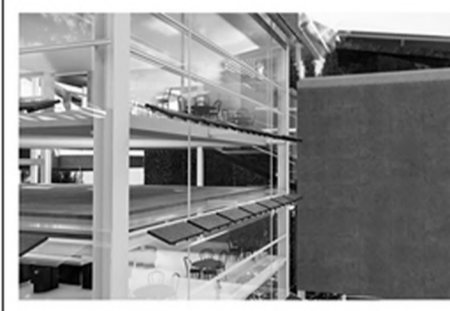
Thermal Comfort Quality



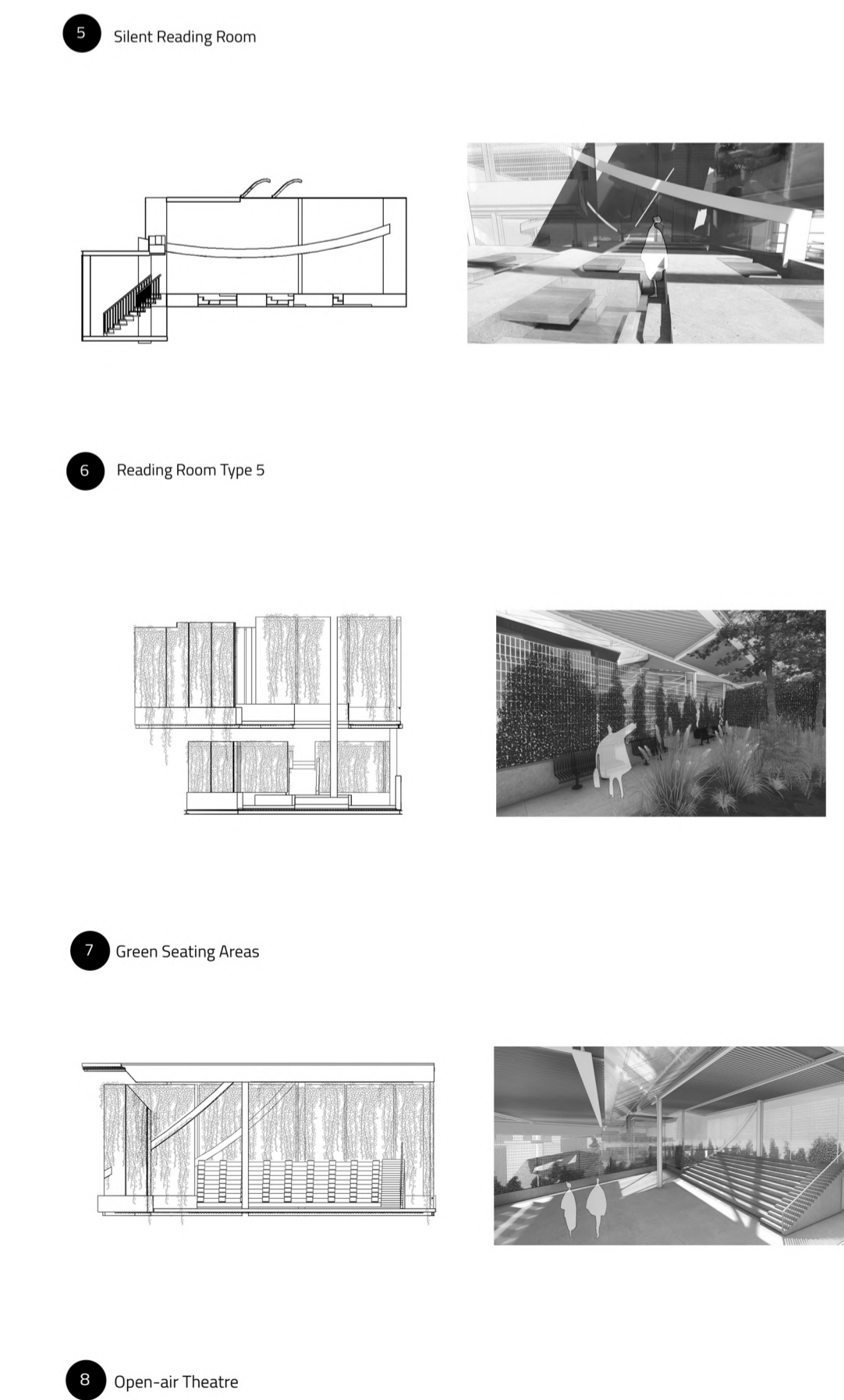
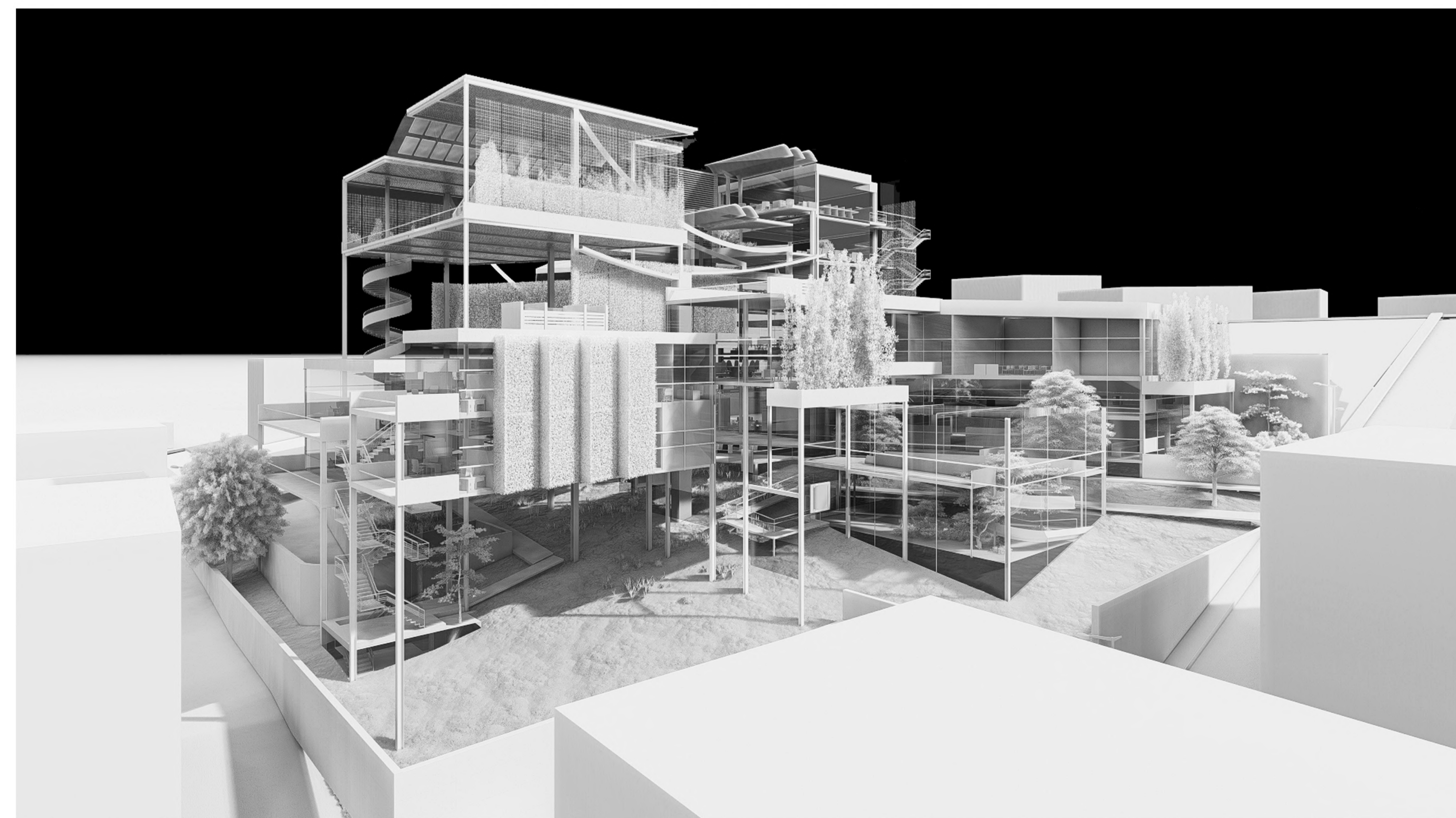
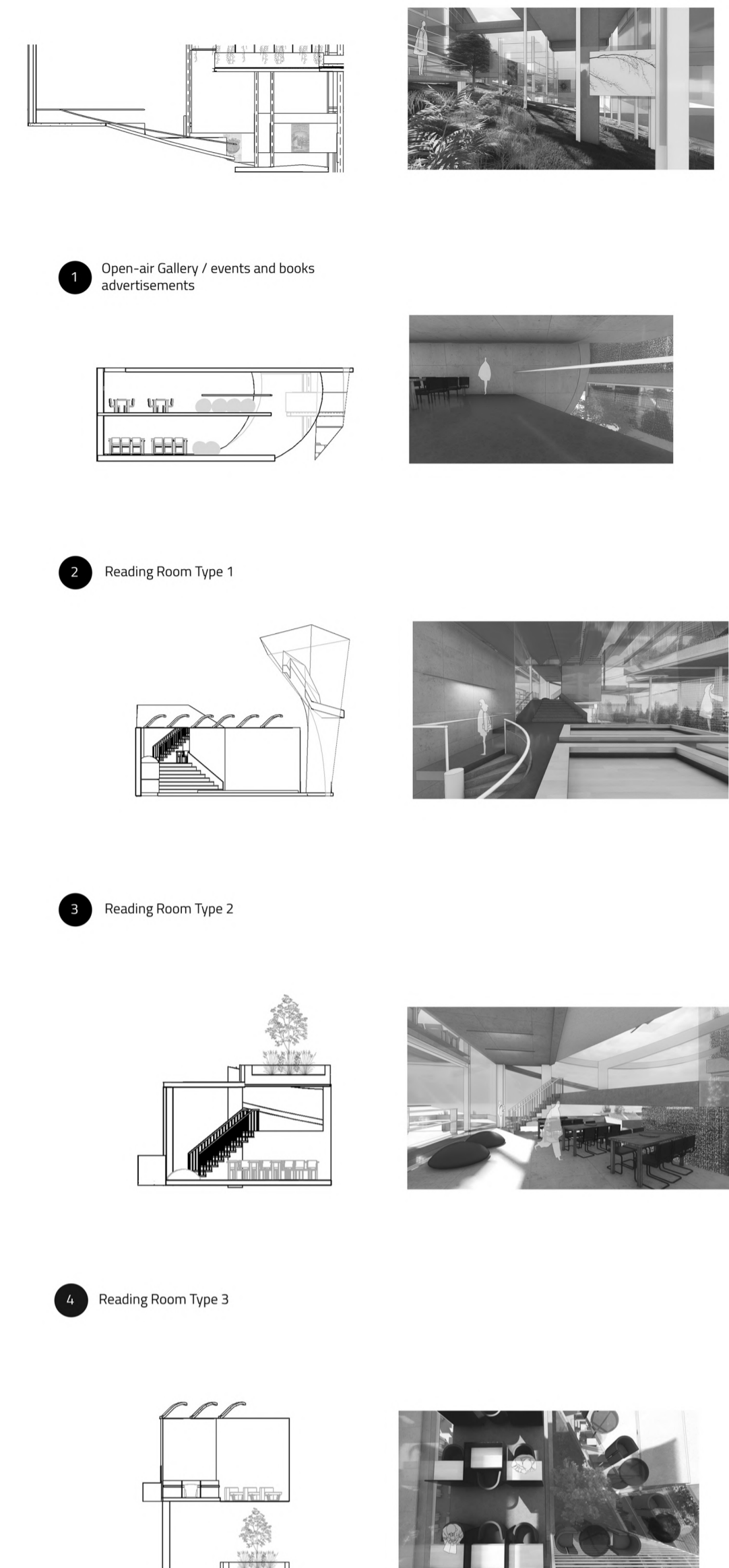
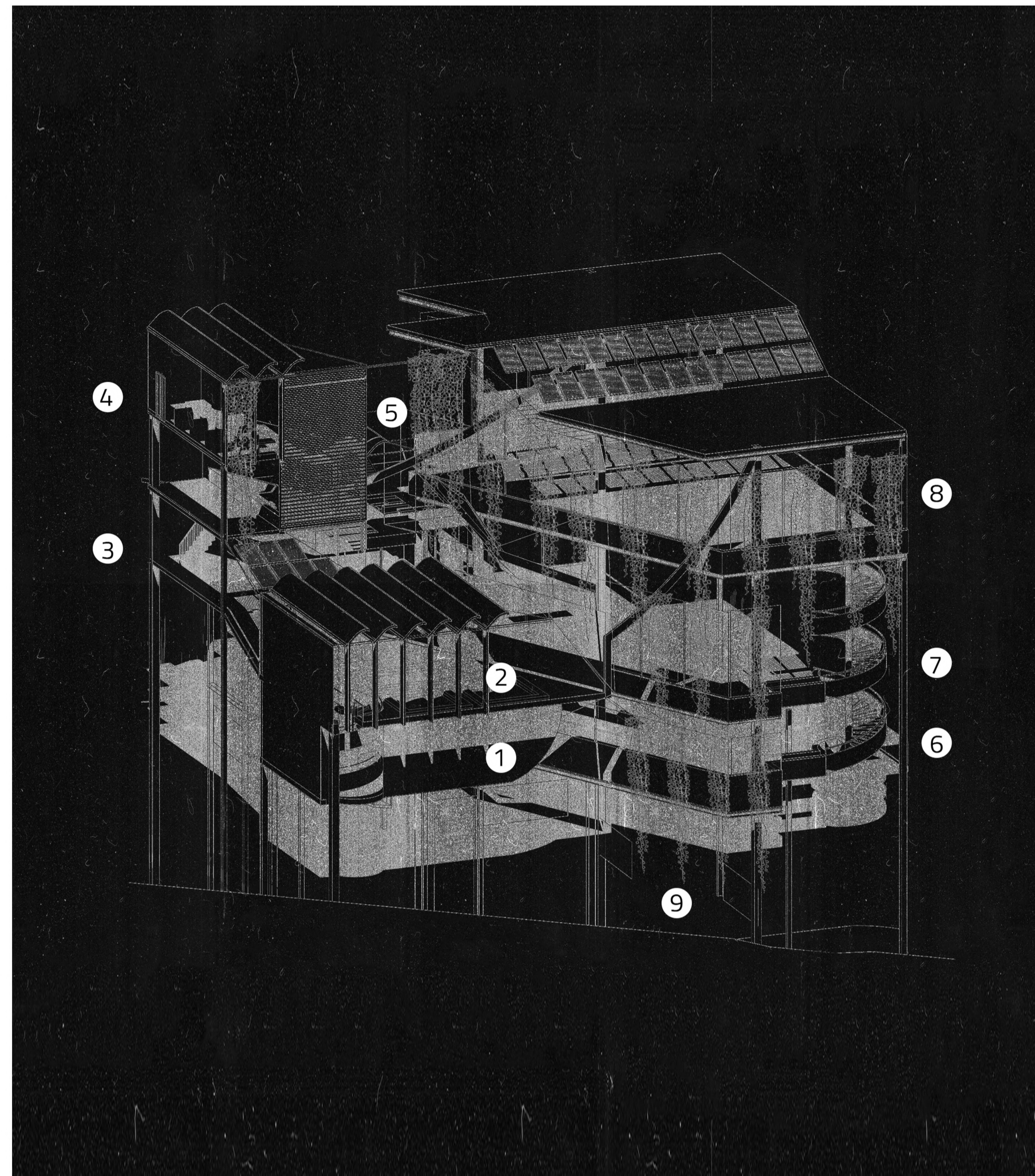
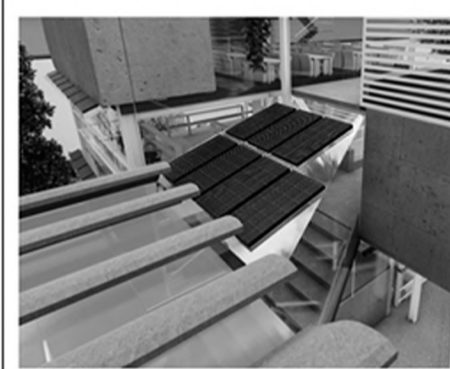
LEED Platinum Checklist
(Studied)

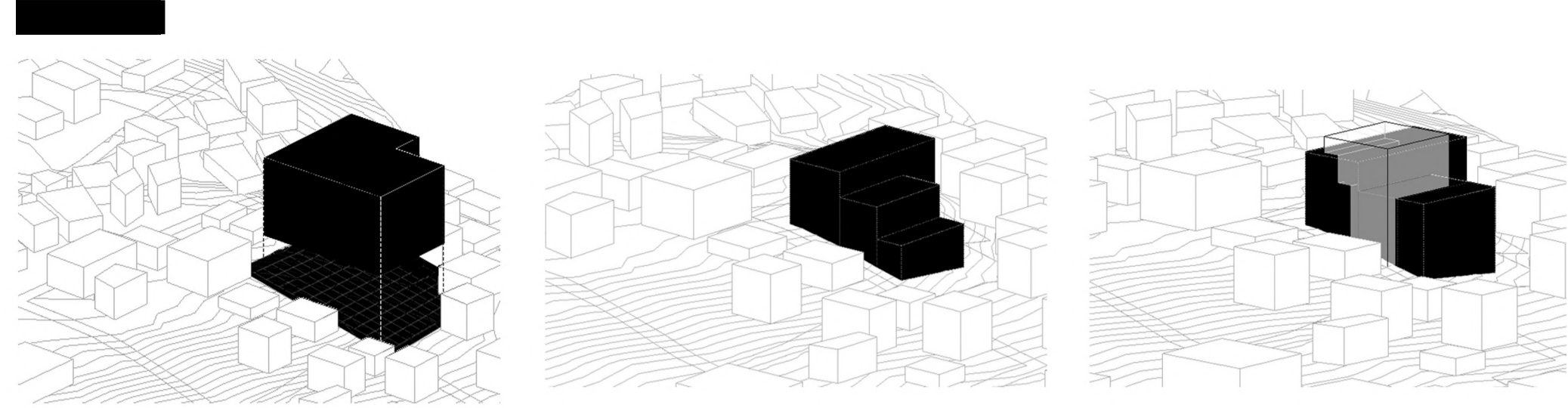
Thermal and Electrical Power

Solar Tiles



Solar Collectors





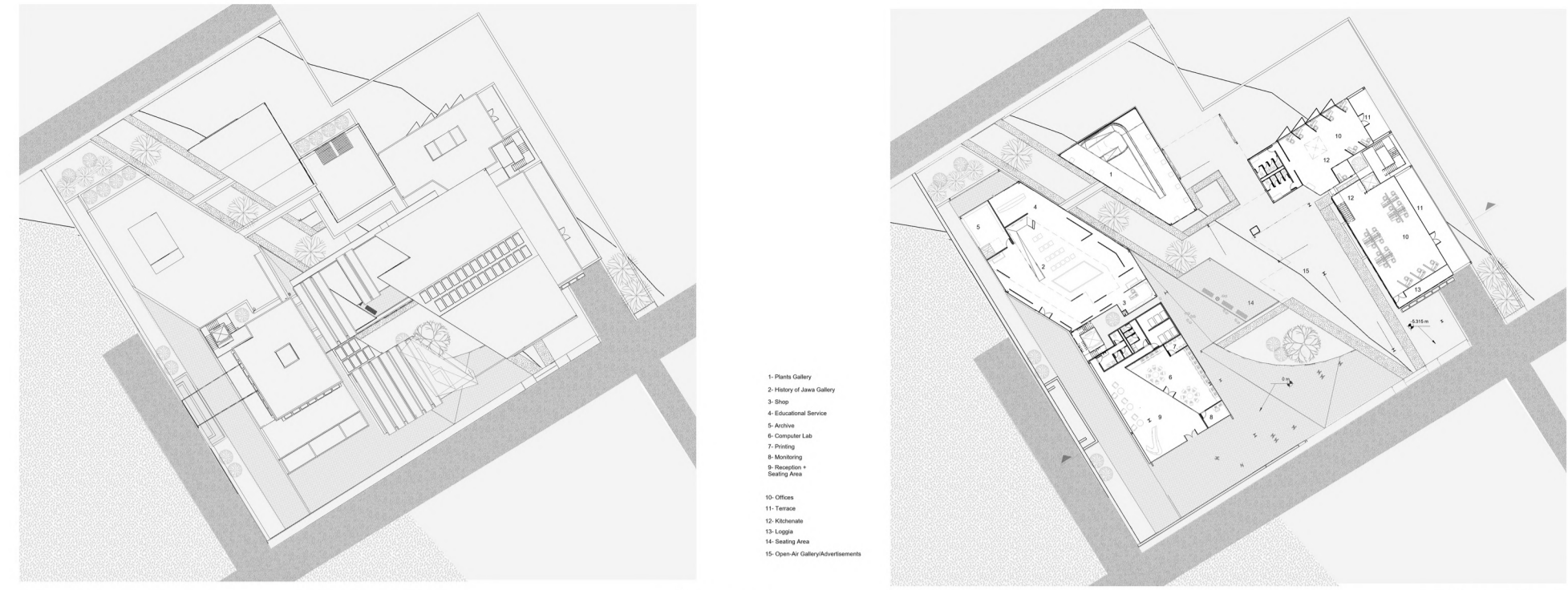
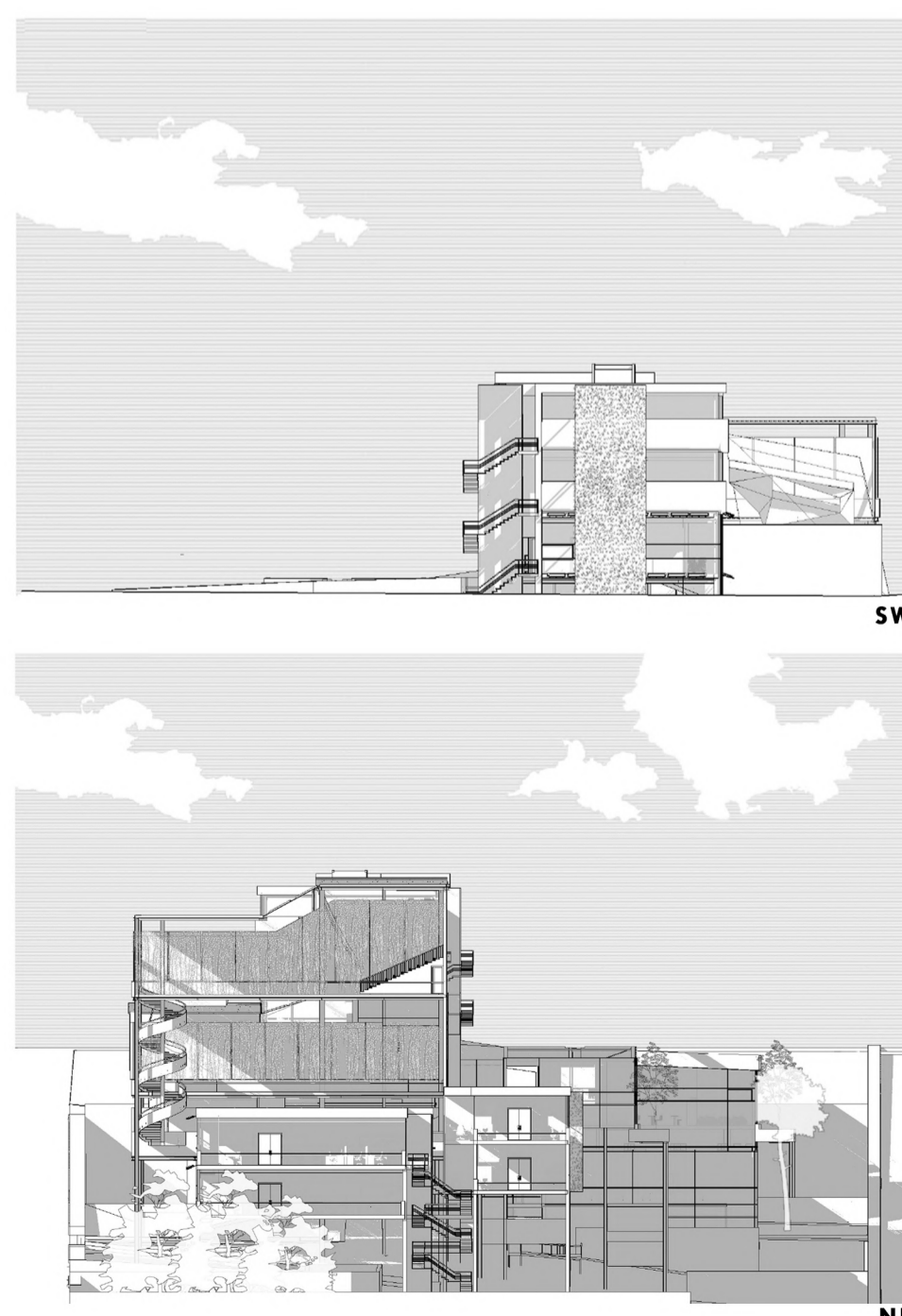
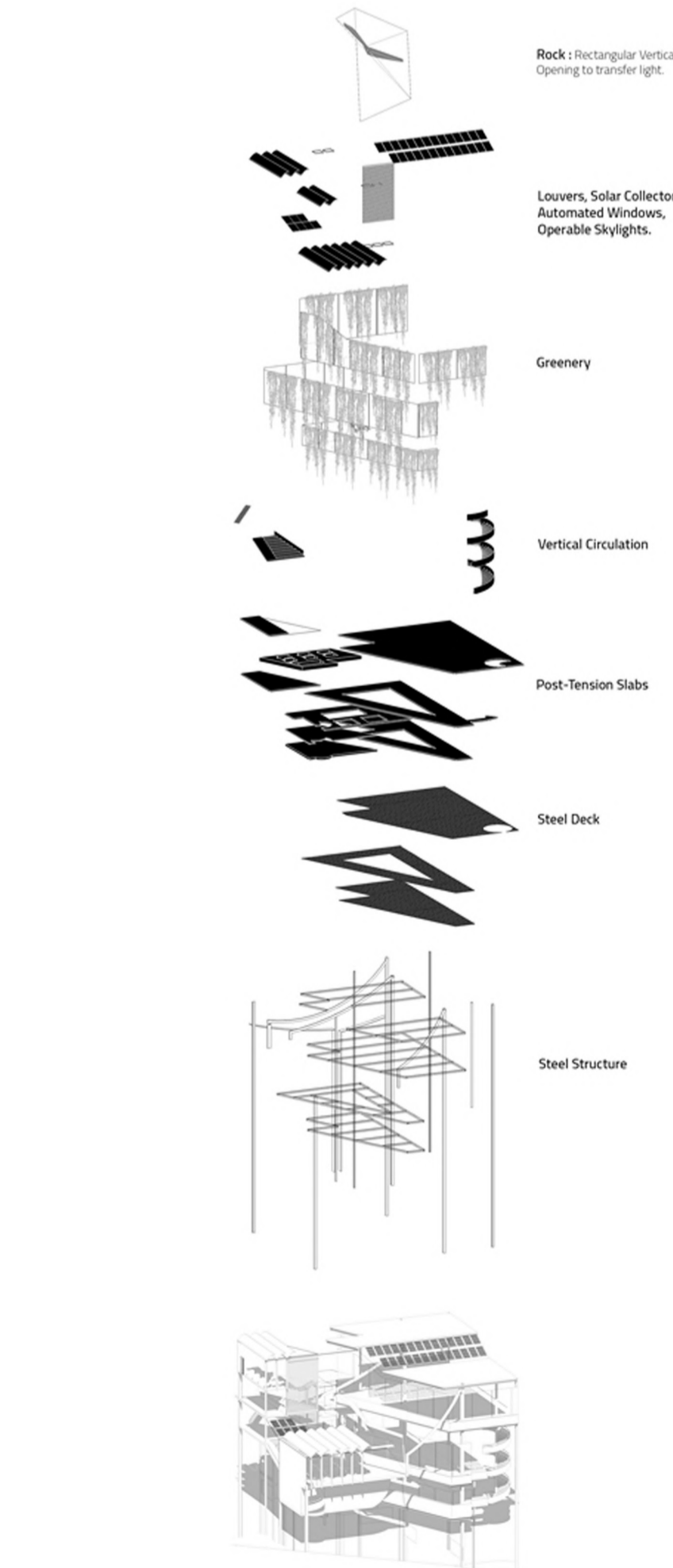
- 1 Using a grid 5m/5m and adding a mass within the permitted land area.
- 2 Divided into three main zones: Socio-cultural premises, Common premises and Staff premises. Directed towards the best view.
- 3 Program: Different spaces located regarding the program and the core "most important part" created.



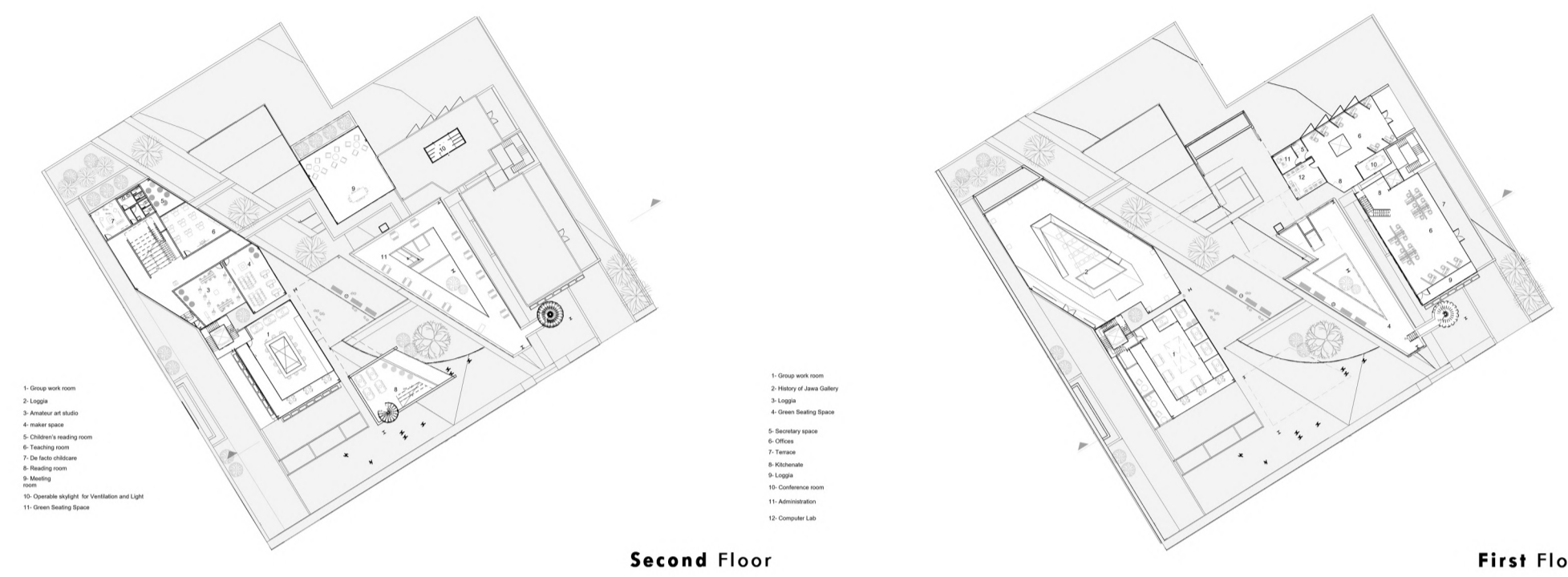
- 4 Using Additional Grid: Placing "entrances" to create natural ventilation paths in compatible with wind direction.
- 5 Different levels created within the interactive space related to the paths.
- 6 Different parts of the interactive space (the core).



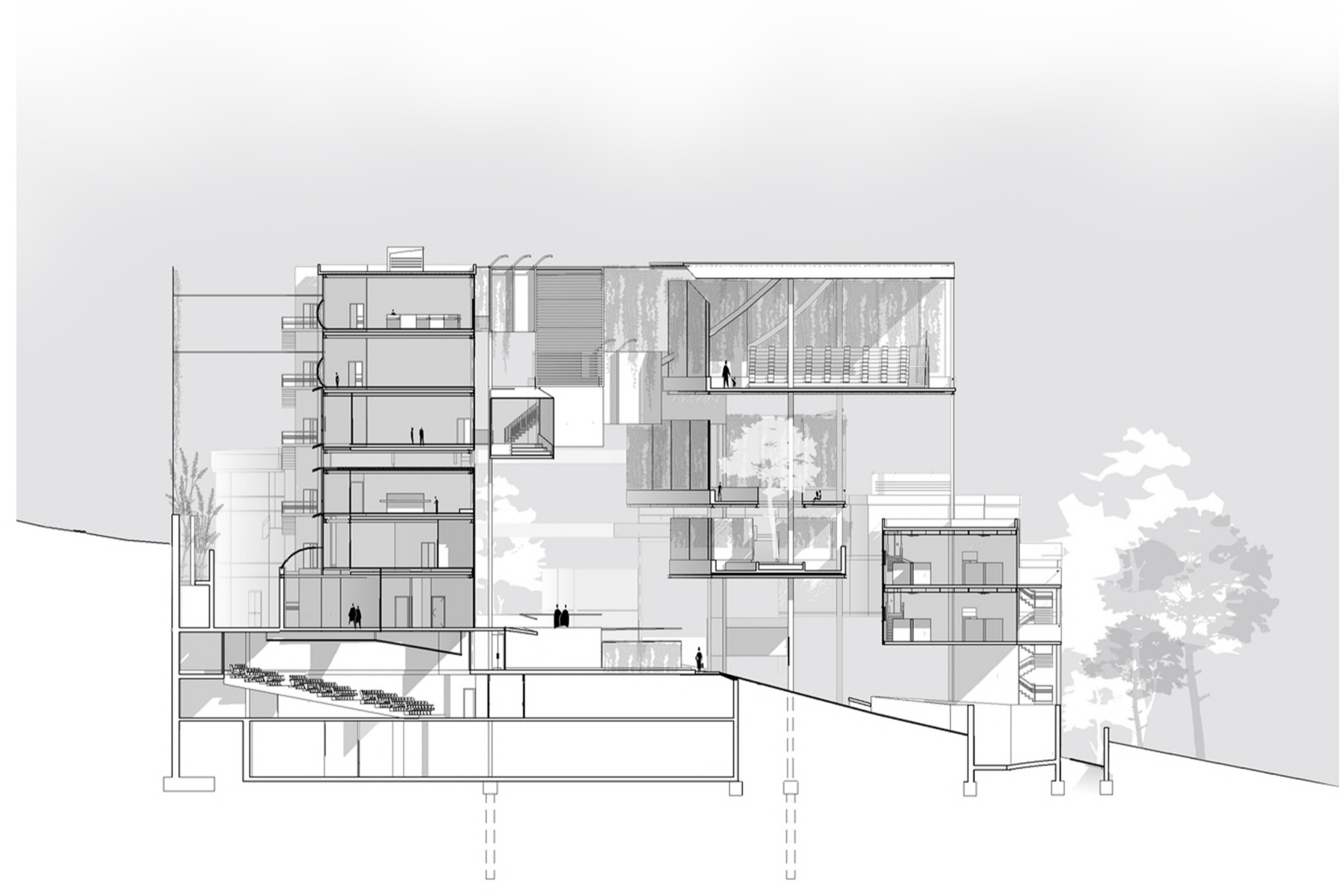
- 7 Linked with other spaces to ensure high flexibility within the project and to make it active all the time for all people.
- 8 Final Missing Image



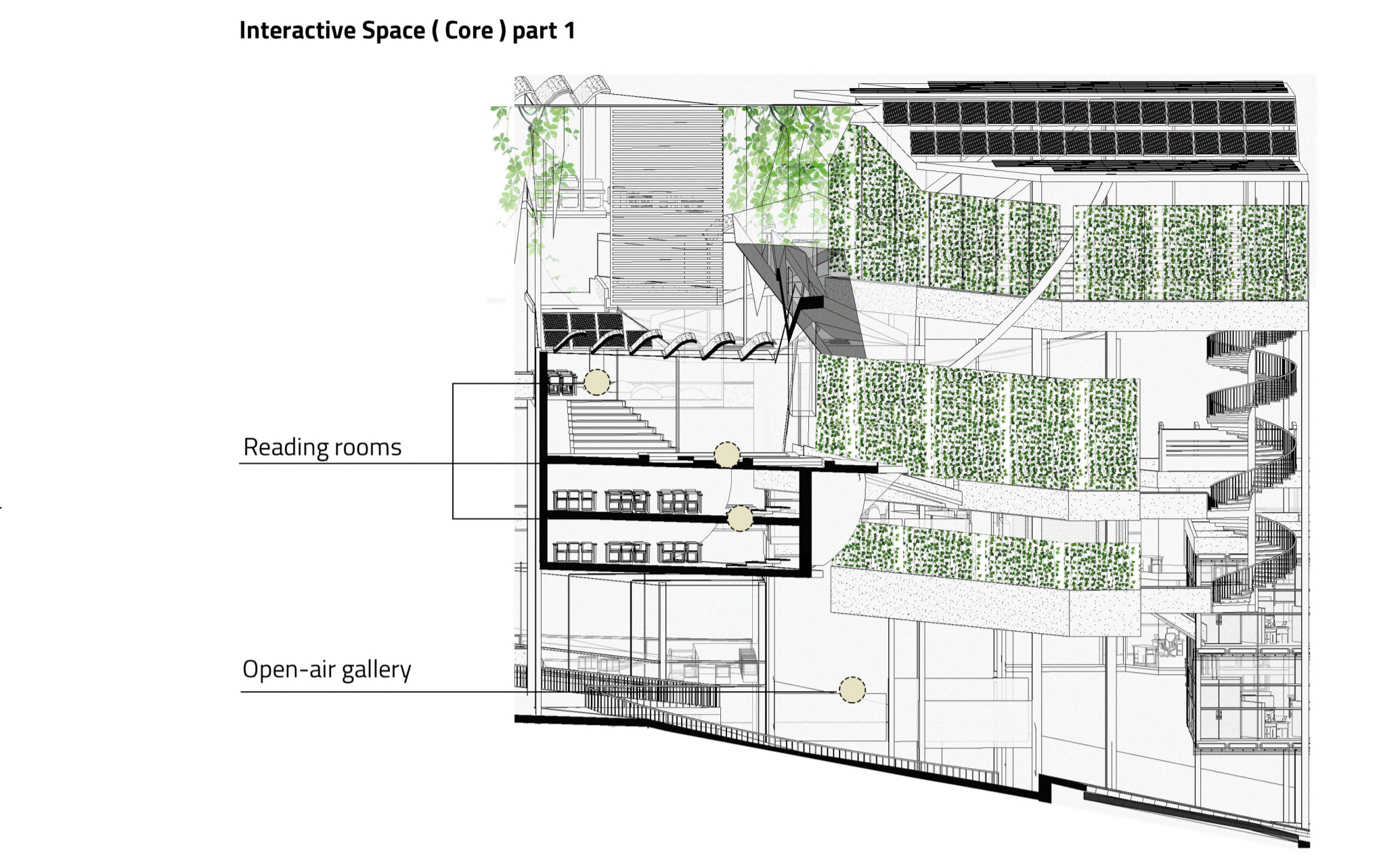
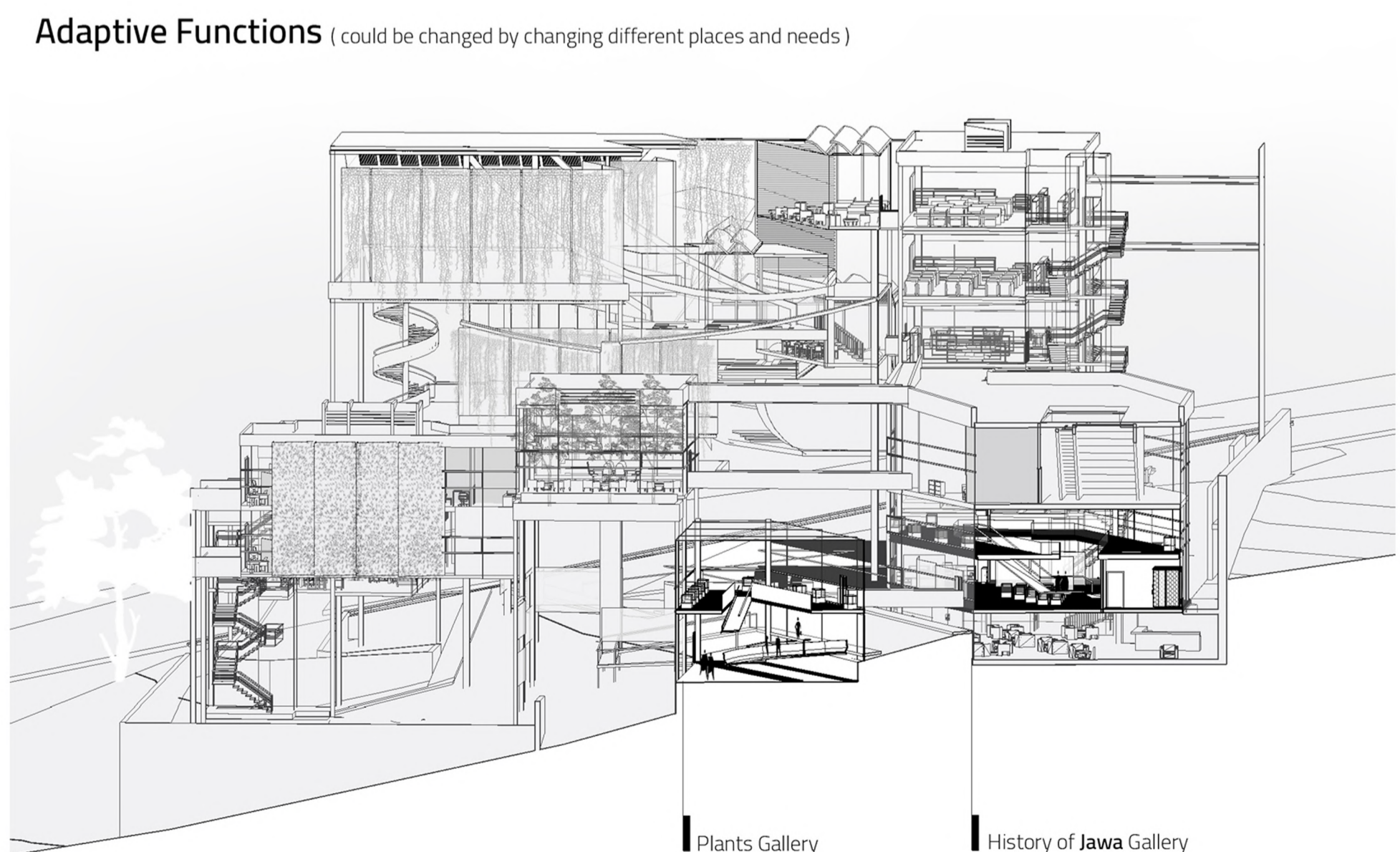
Site Plan Ground Floor



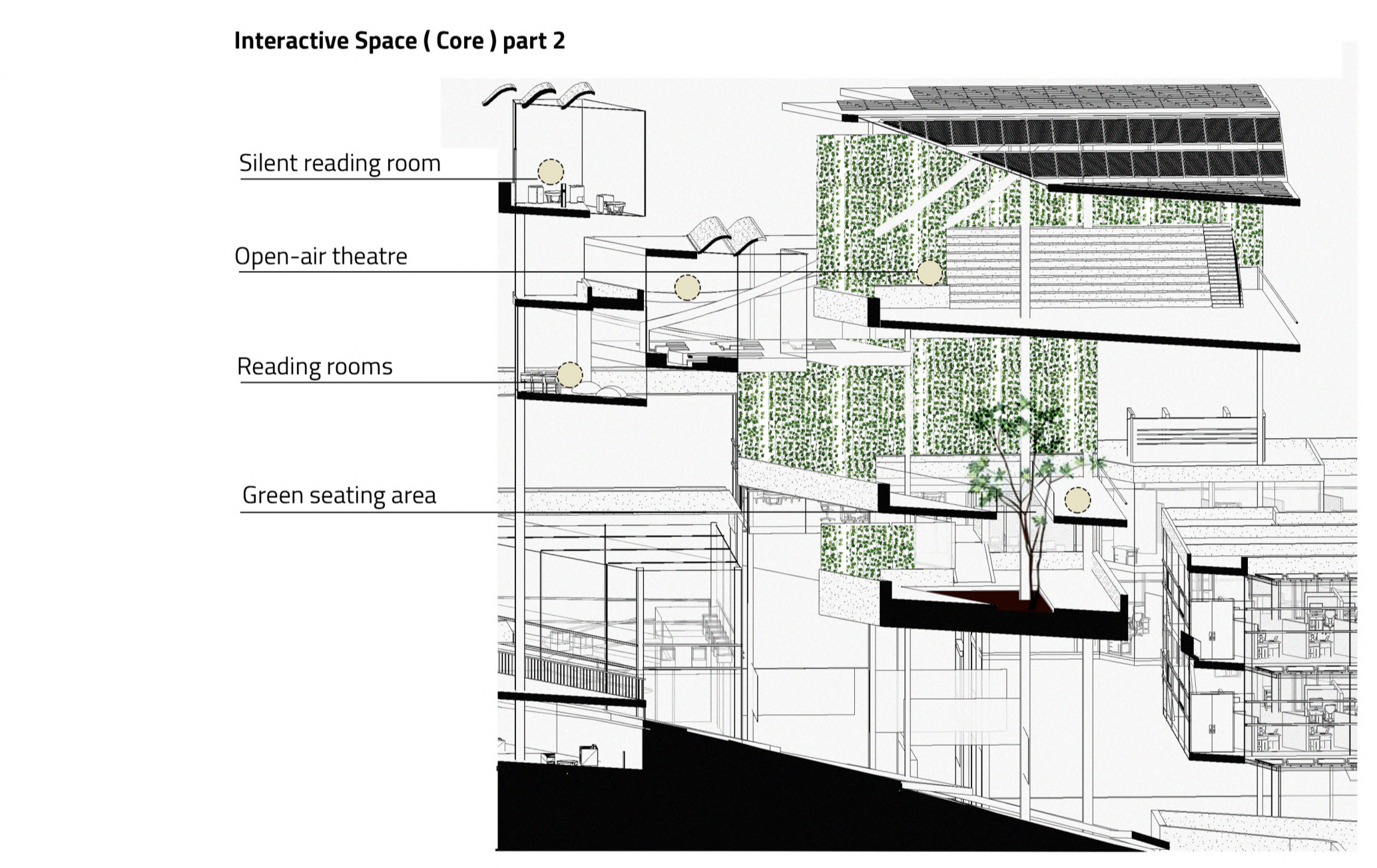
Second Floor First Floor



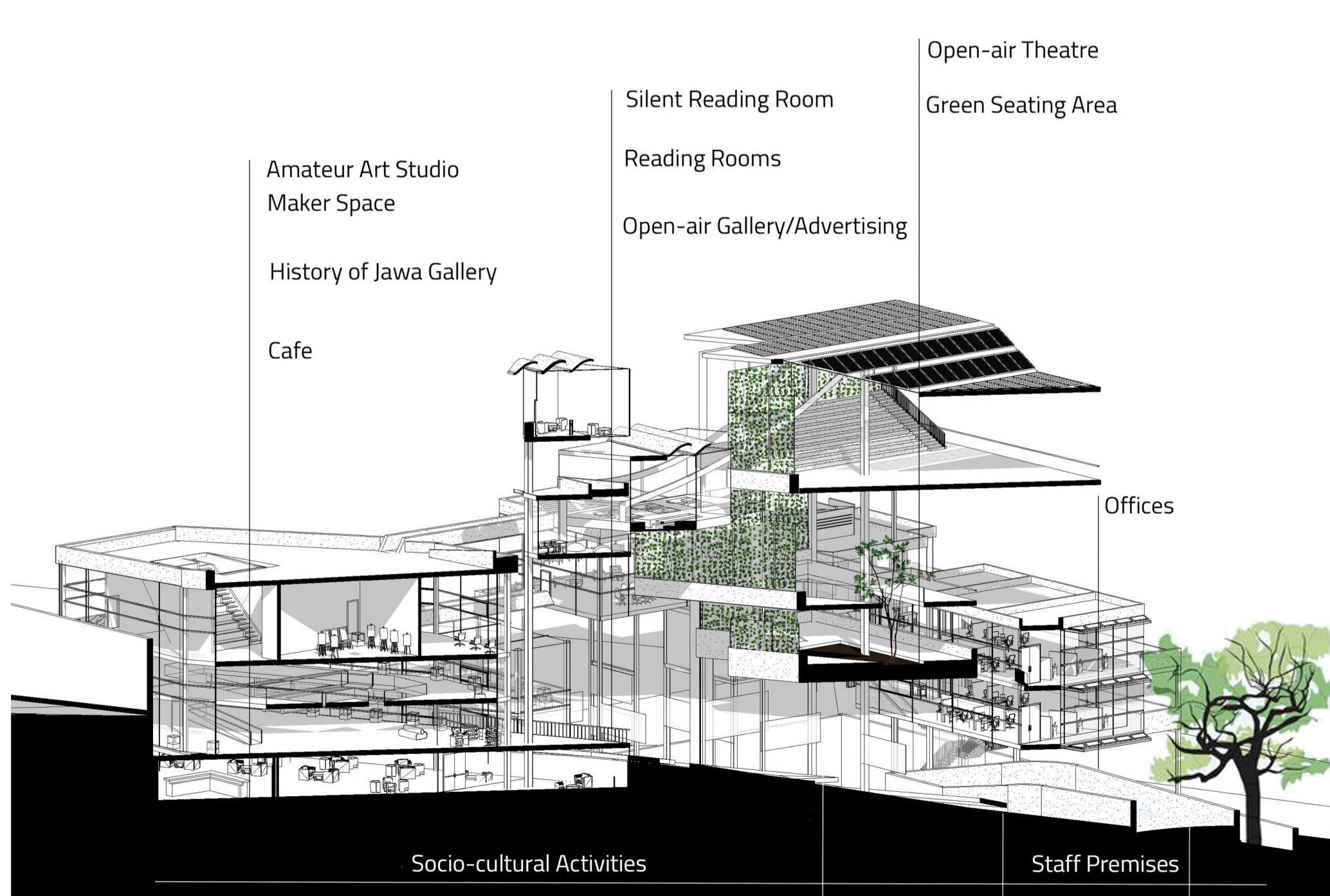
Adaptive Functions (could be changed by changing different places and needs)



Interactive Space (Core) part 1



Interactive Space (Core) part 2



Socio-cultural Activities Staff Premises