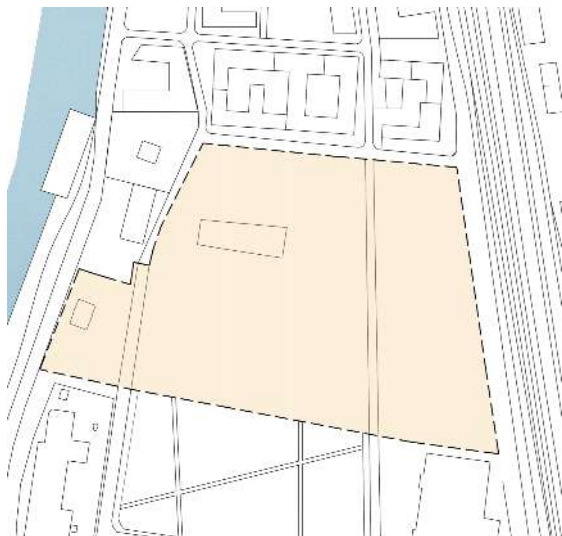


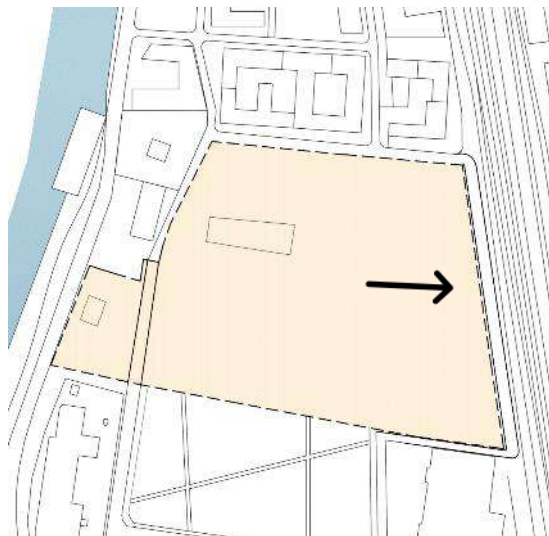
EXOEN
EXPERIENCE OUR ENVIRONMENT

LINYONG ZHANG, JAMES PINCOTT, LUKE MELLOR

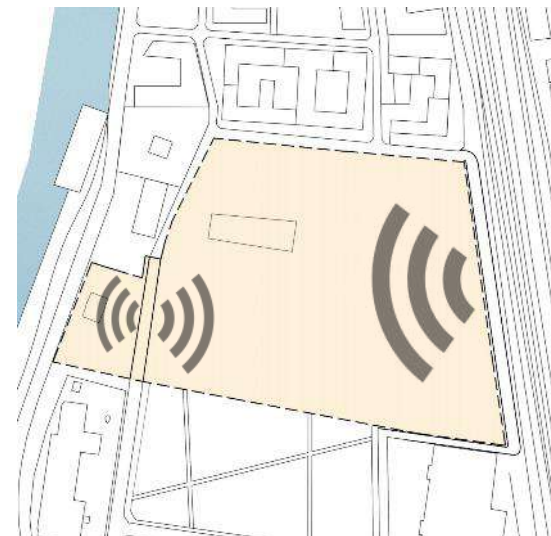
Original



Road relocation



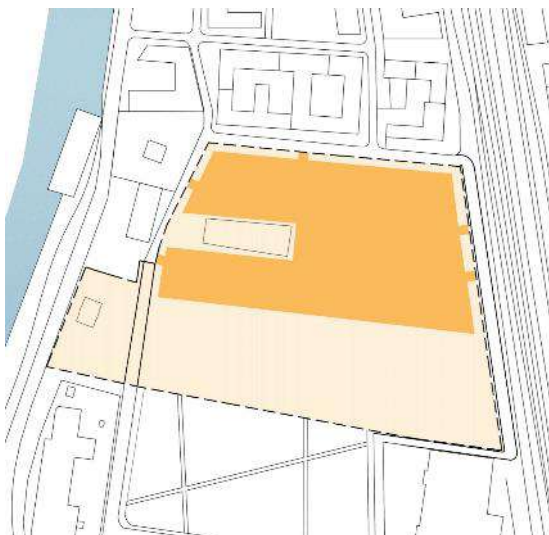
Noise isolation



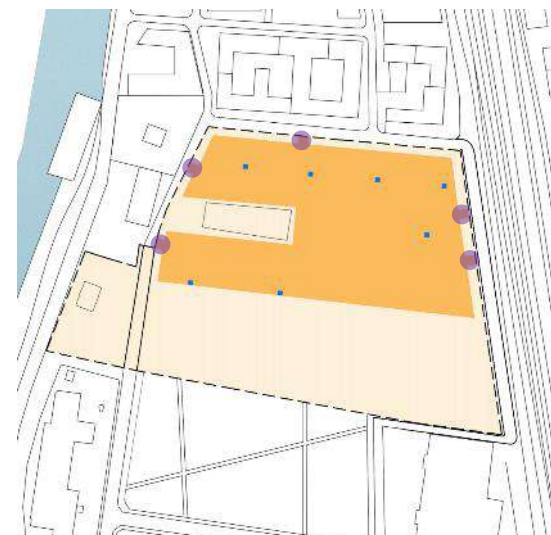
Original drop



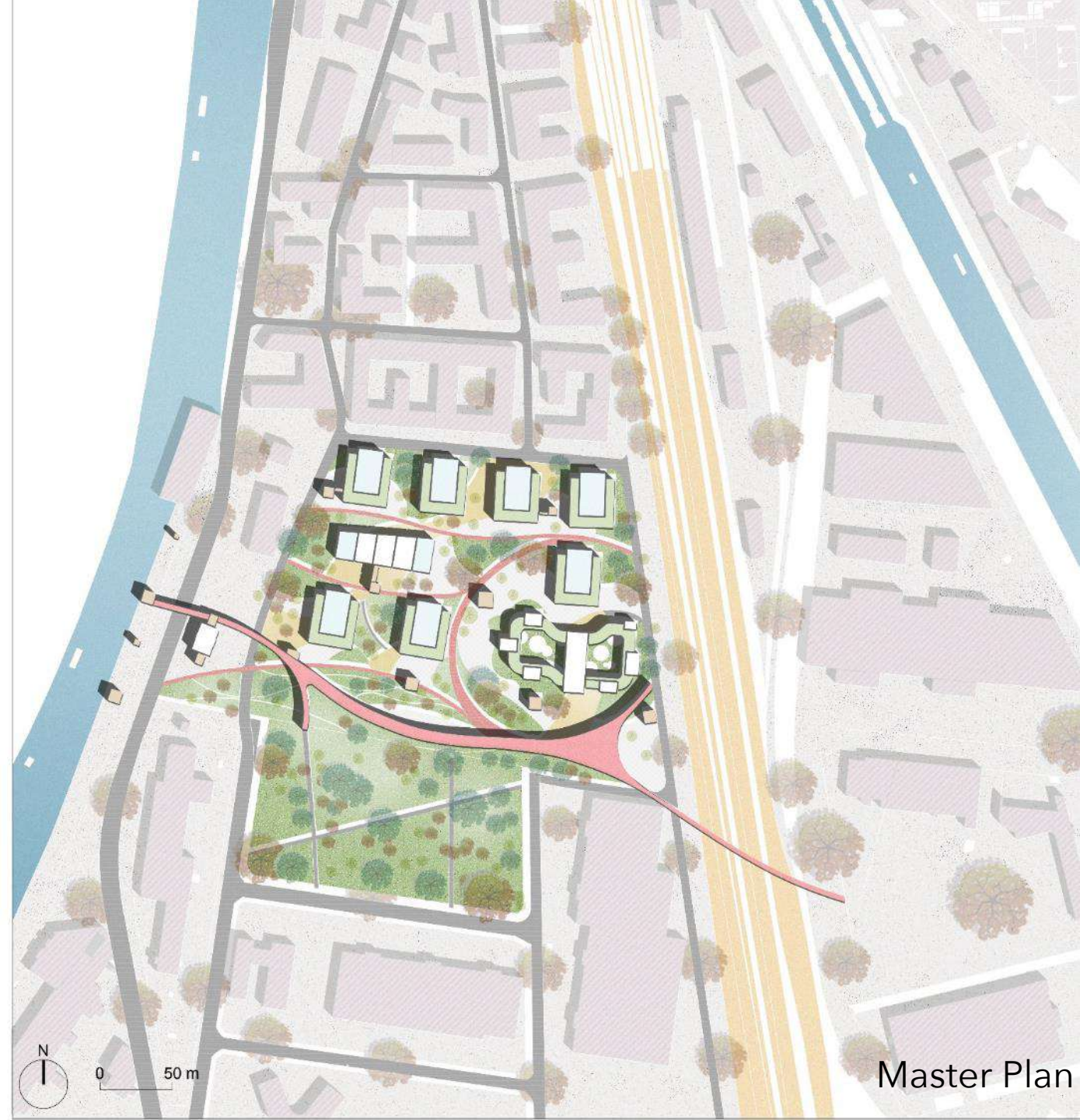
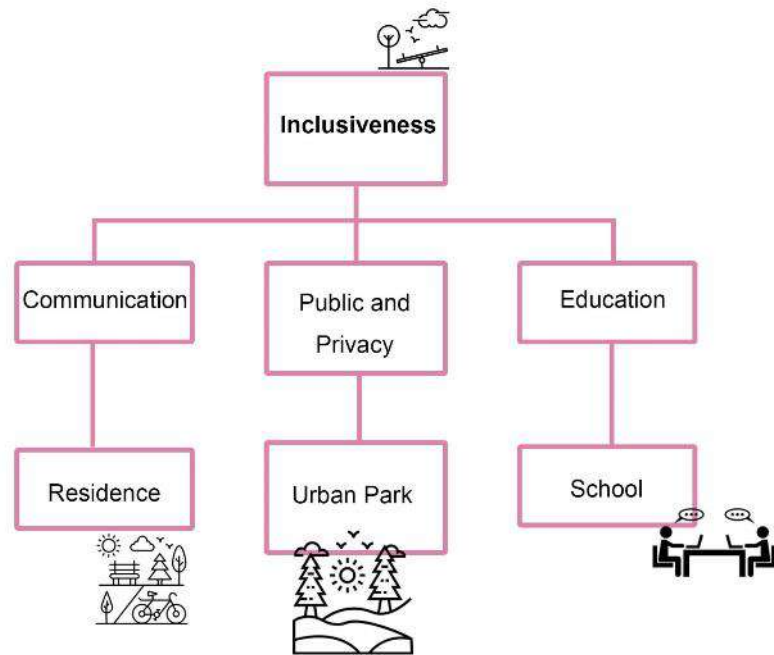
Carpark implementation



Carpark access

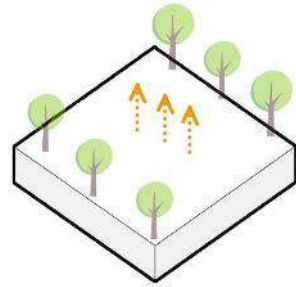


Concept

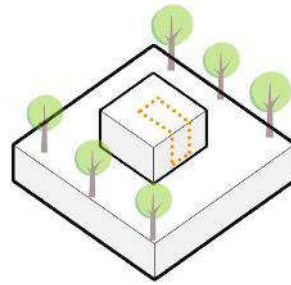


Master Plan

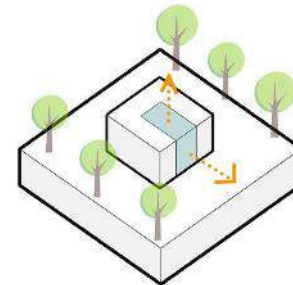
Architecture Evolution



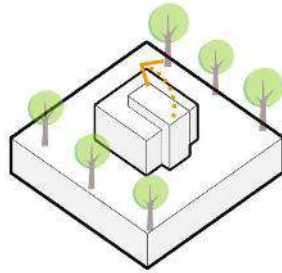
A square box in the site



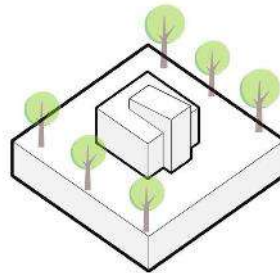
Create the atrium



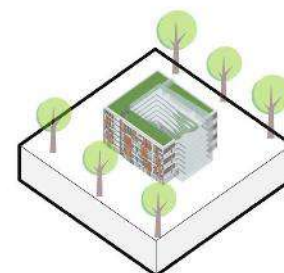
Pull out the atrium



Slanting roof

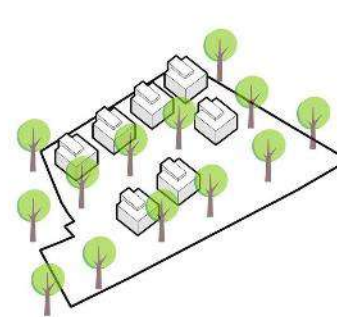
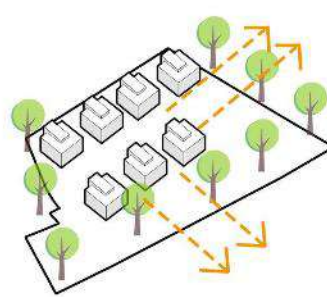
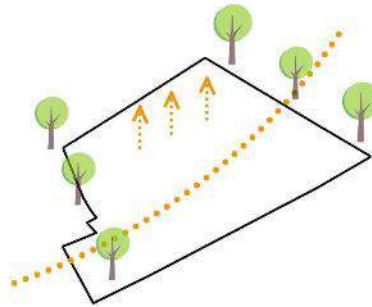


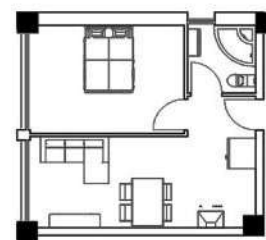
Add facade elements



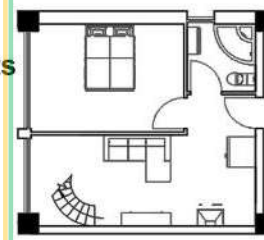
Final building

Architecture and Nature

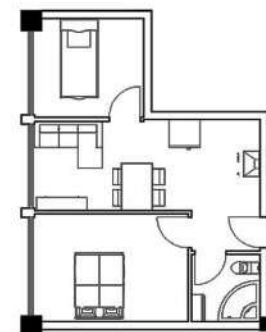




8x T1 apartments
(39.6 m²)



8x T3 apartments
(74m²)



4x T2 apartments
(49.2m²)



16x T4 apartments
(90.4 m²)

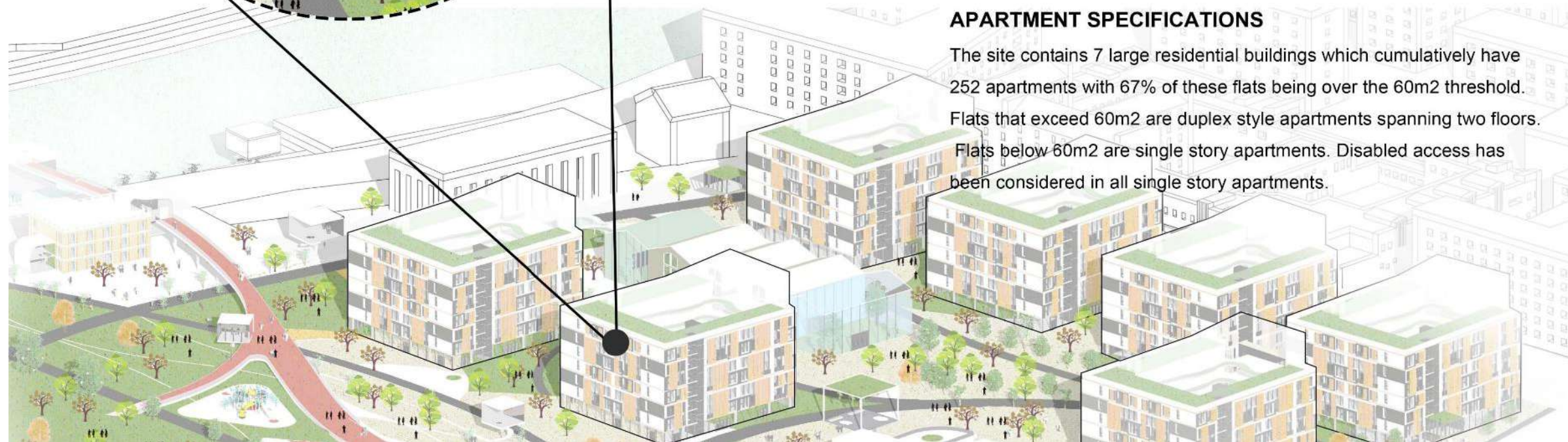


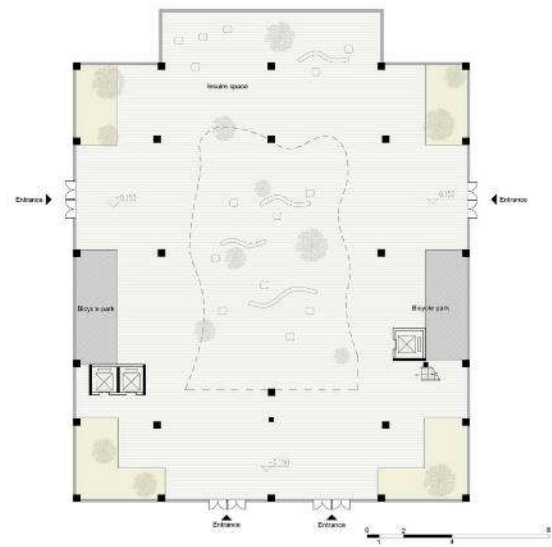
APARTMENT SPECIFICATIONS

The site contains 7 large residential buildings which cumulatively have 252 apartments with 67% of these flats being over the 60m² threshold.

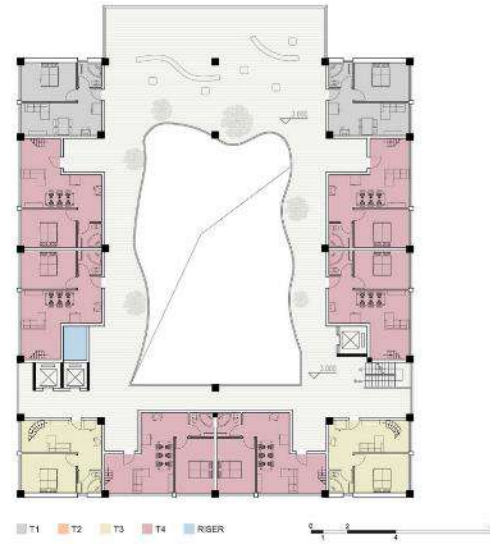
Flats that exceed 60m² are duplex style apartments spanning two floors.

Flats below 60m² are single story apartments. Disabled access has been considered in all single story apartments.

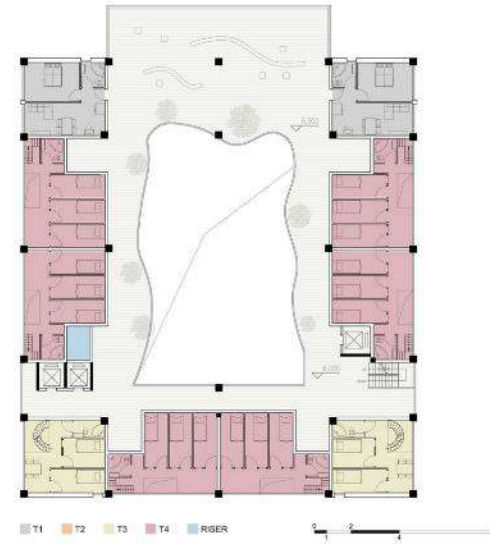




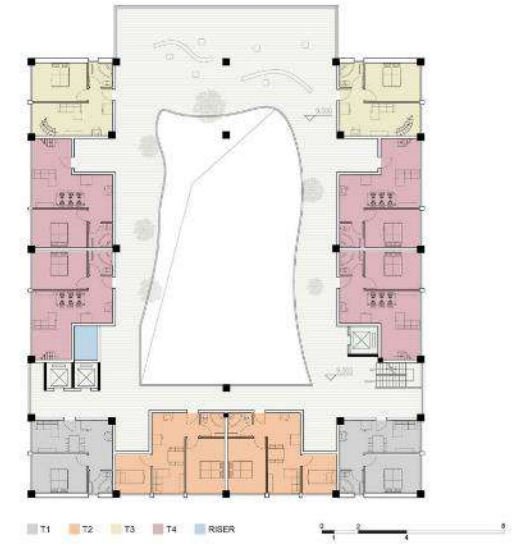
GROUND FLOOR



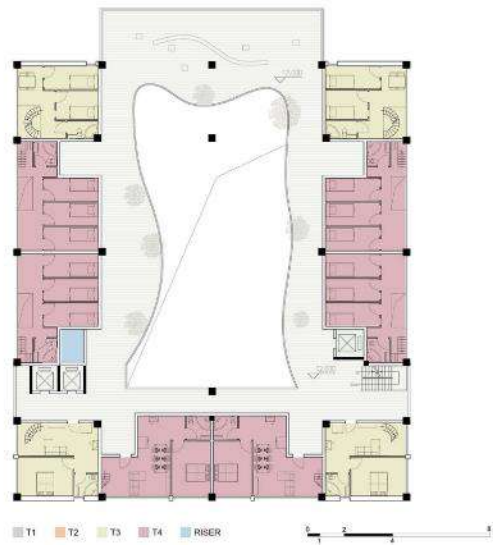
FIRST FLOOR



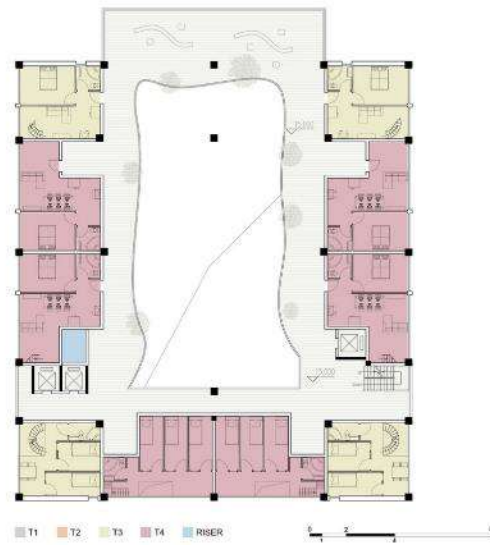
SECOND FLOOR



THIRD FLOOR



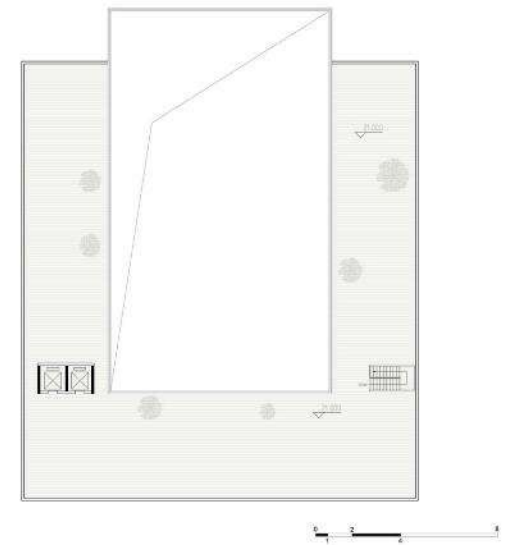
FOURTH FLOOR



FIFTH FLOOR



SIXTH FLOOR



ROOF FLOOR

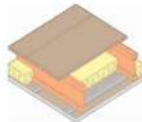
Breathe

Hear

Biophillic walls

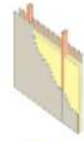


Silent Floor



British Gypsum

Acoustic Partition Roll Insulation



ISOVER

Ensign and EEZI-FIT Piping



PAM SAINT-GOBAIN

Attenuators and noise insulated Ducting



SGG COOL-LITE®



SAINT-GOBAIN

ESGG STADIP SILENCE Glazing



Webtherm XM



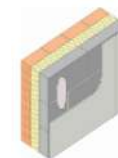
weber SAINT-GOBAIN

Showerwall Waterproof Panelling System



International DECORATIVE SURFACES

ISOVER CWS32



ISOVER SAINT-GOBAIN

Dura Cladding



International TIMBER

Thistle pure finish



weber SAINT-GOBAIN

Malmo flooring



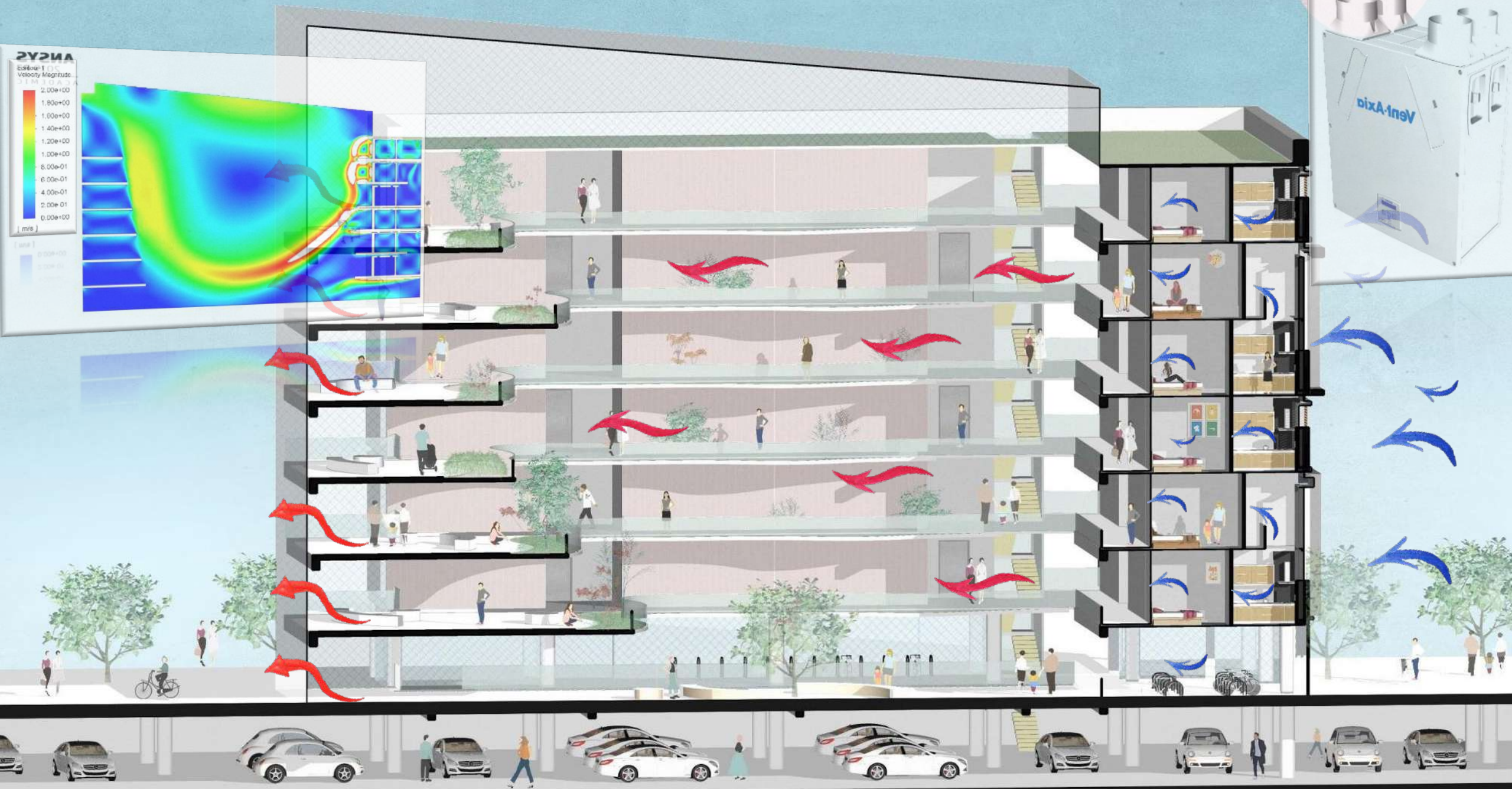
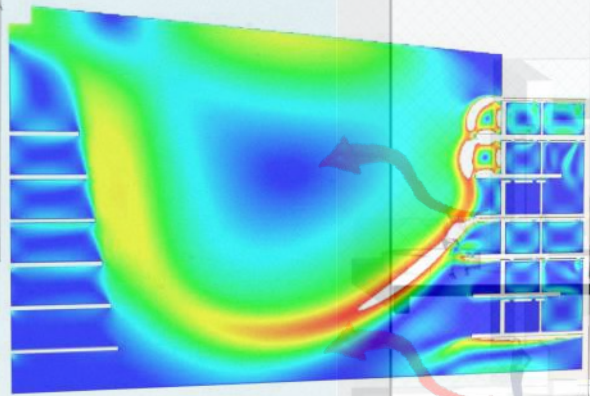
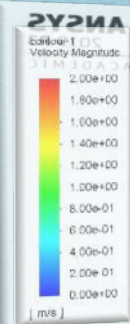
International DECORATIVE SURFACES

See

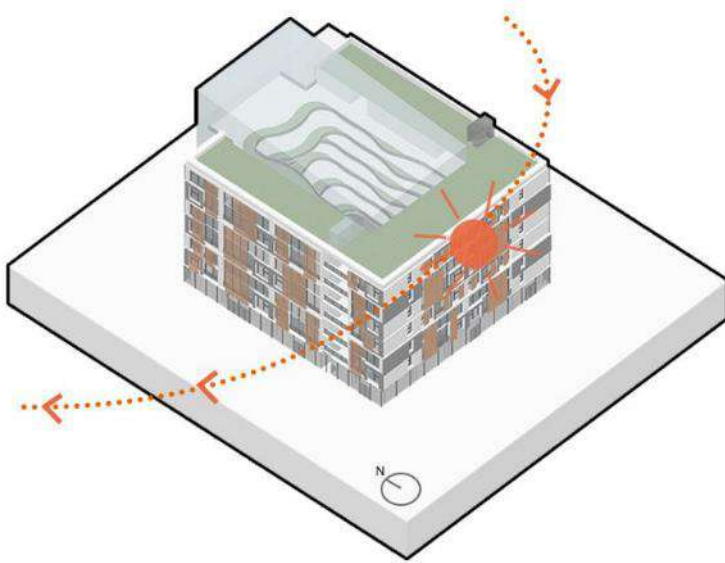
Feel



- Slanted roof for rain water collection
- Thin film PV integrated into roof for:
 - atrium shading
 - energy production

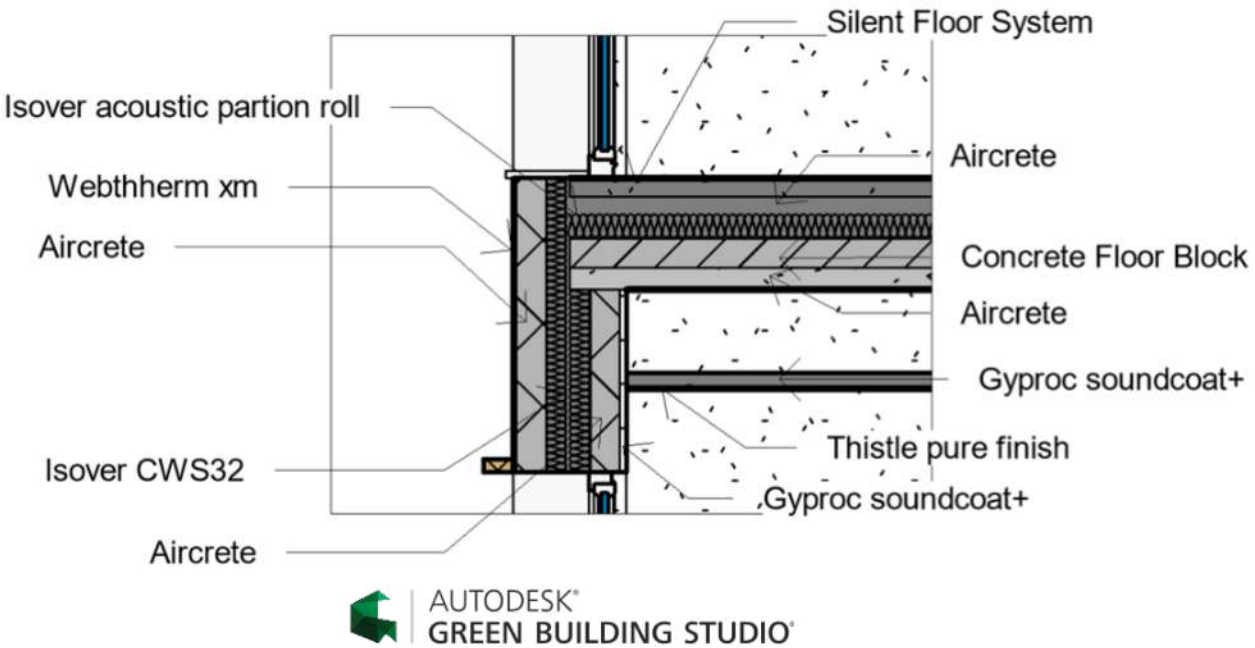


SHADING

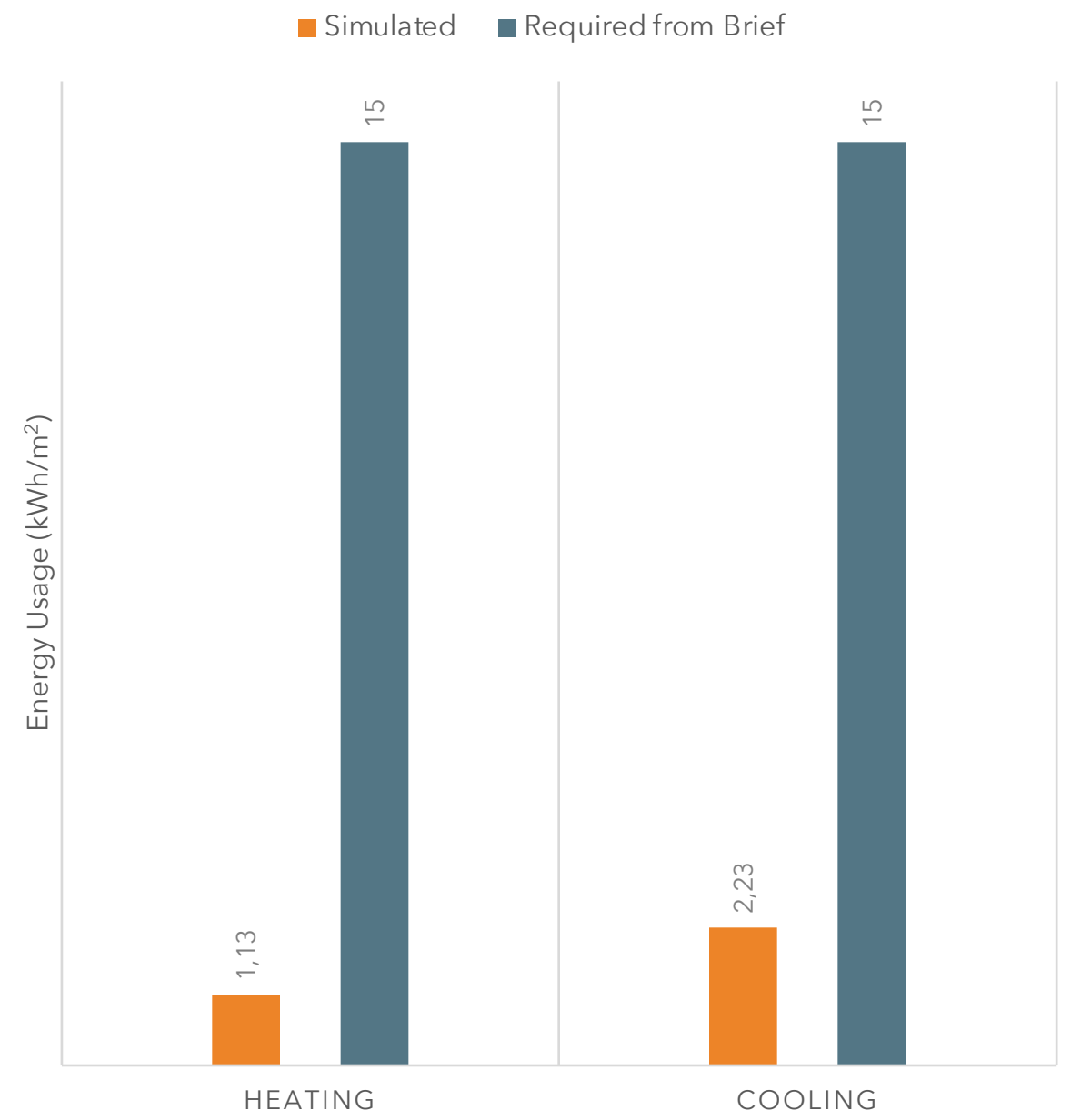


- Architectural design driven solution
- Low cost compared to glazing
- Vertical shading for low solar altitude (East and West façades)
- Horizontal shading for high solar altitude (South façade)

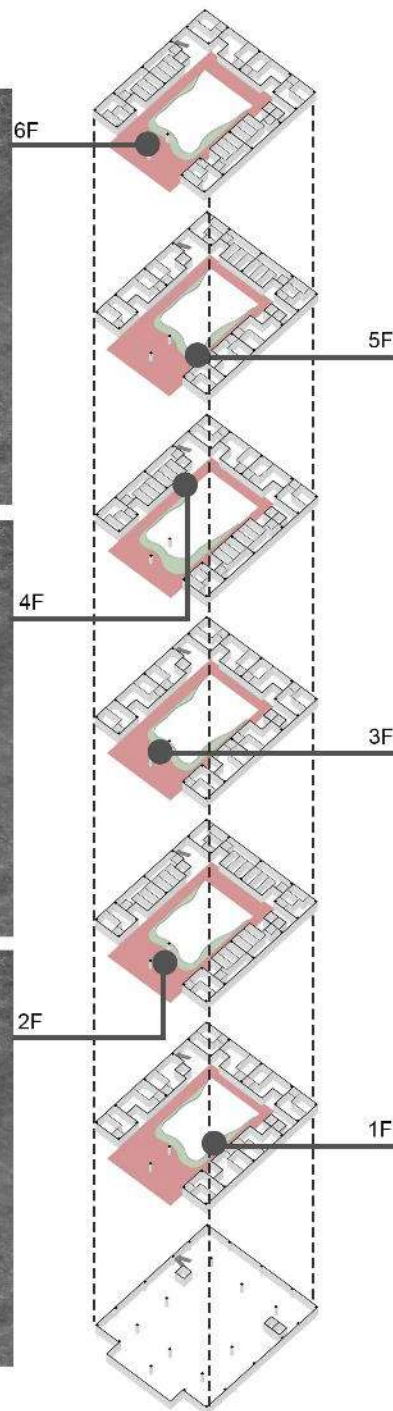


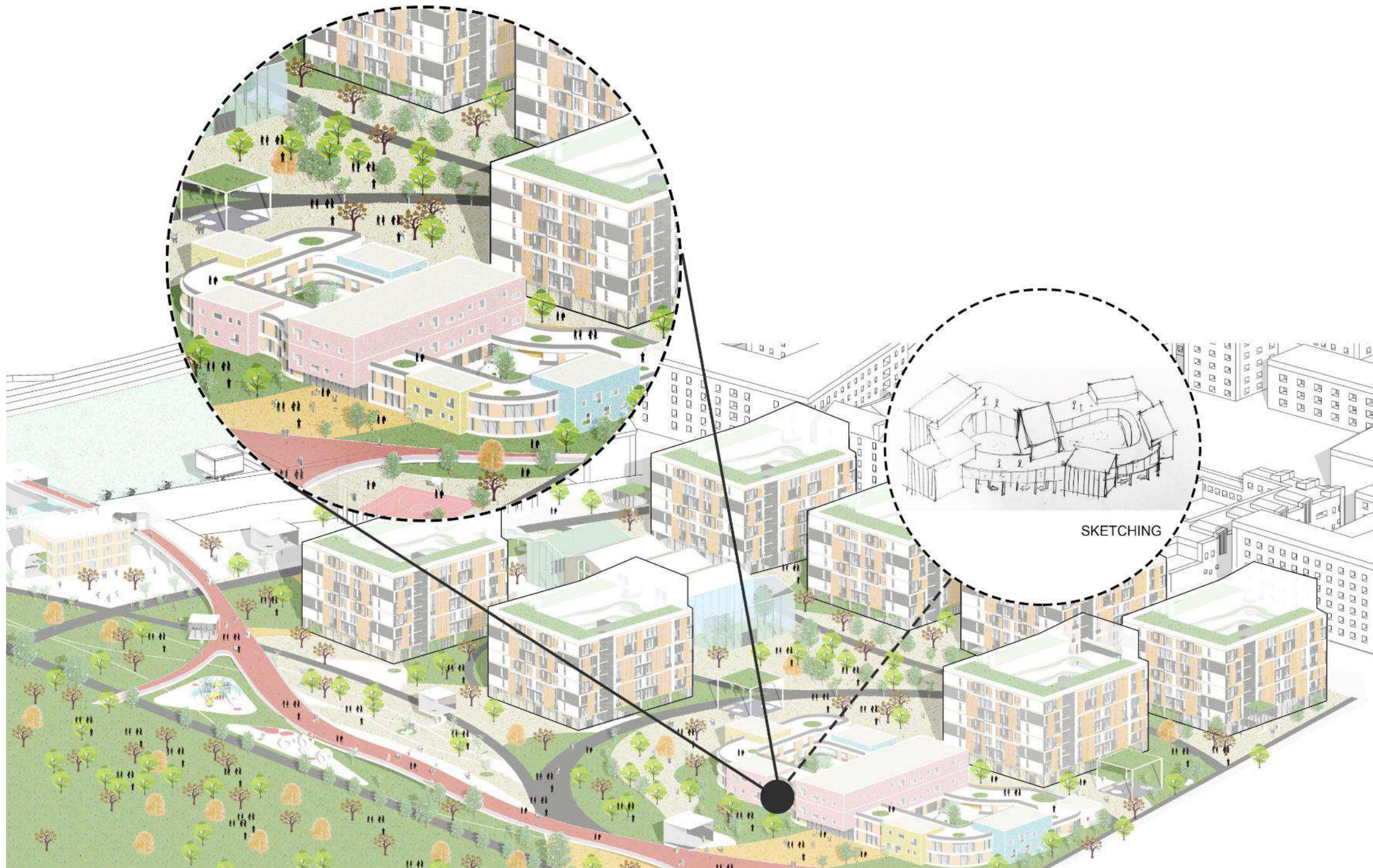


Period	Energy usage[kWh/m2] (simulated)	Energy usage [kWh/m2] (brief)
Heating	1.13	15.00
Cooling	2.23	15.00



Atrium Garden







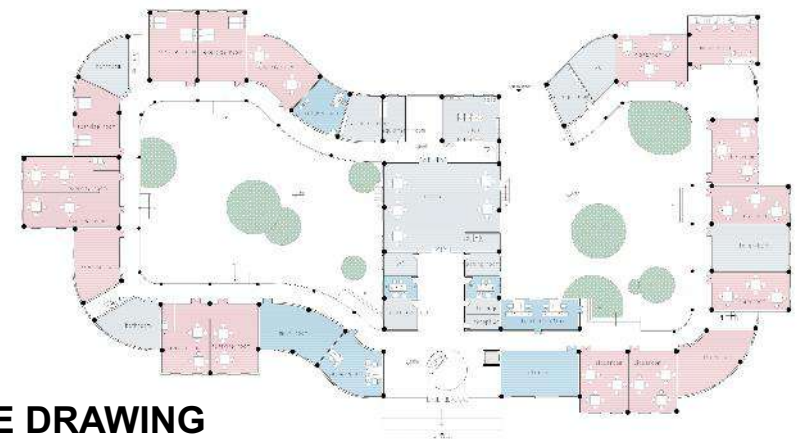
COURTYARD PERSPECTIVE DRAWING



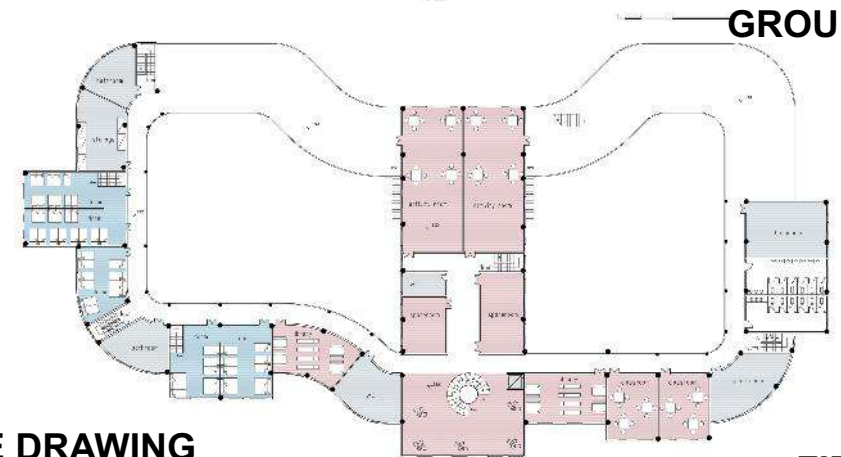
ENTRANCE PERSPECTIVE DRAWING



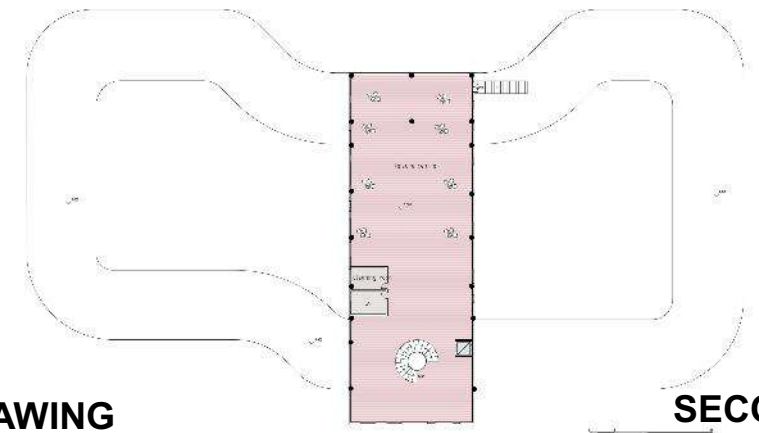
INTERIORS PERSPECTIVE DRAWING



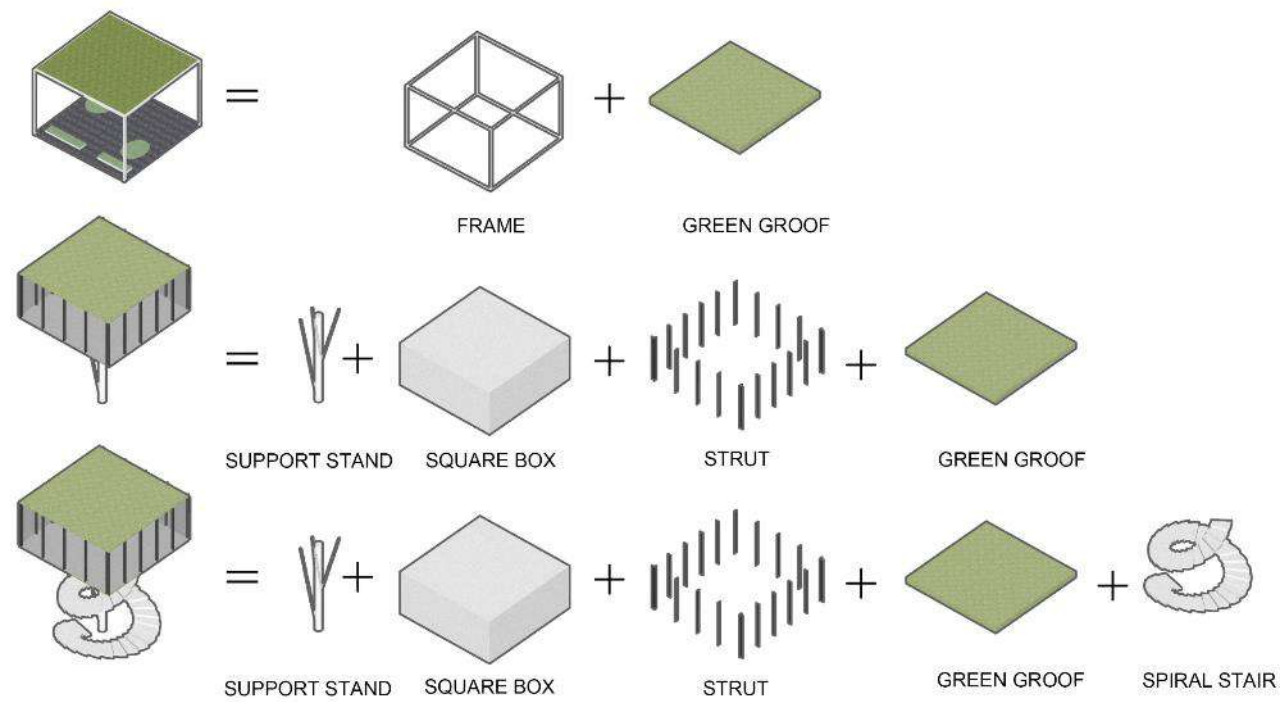
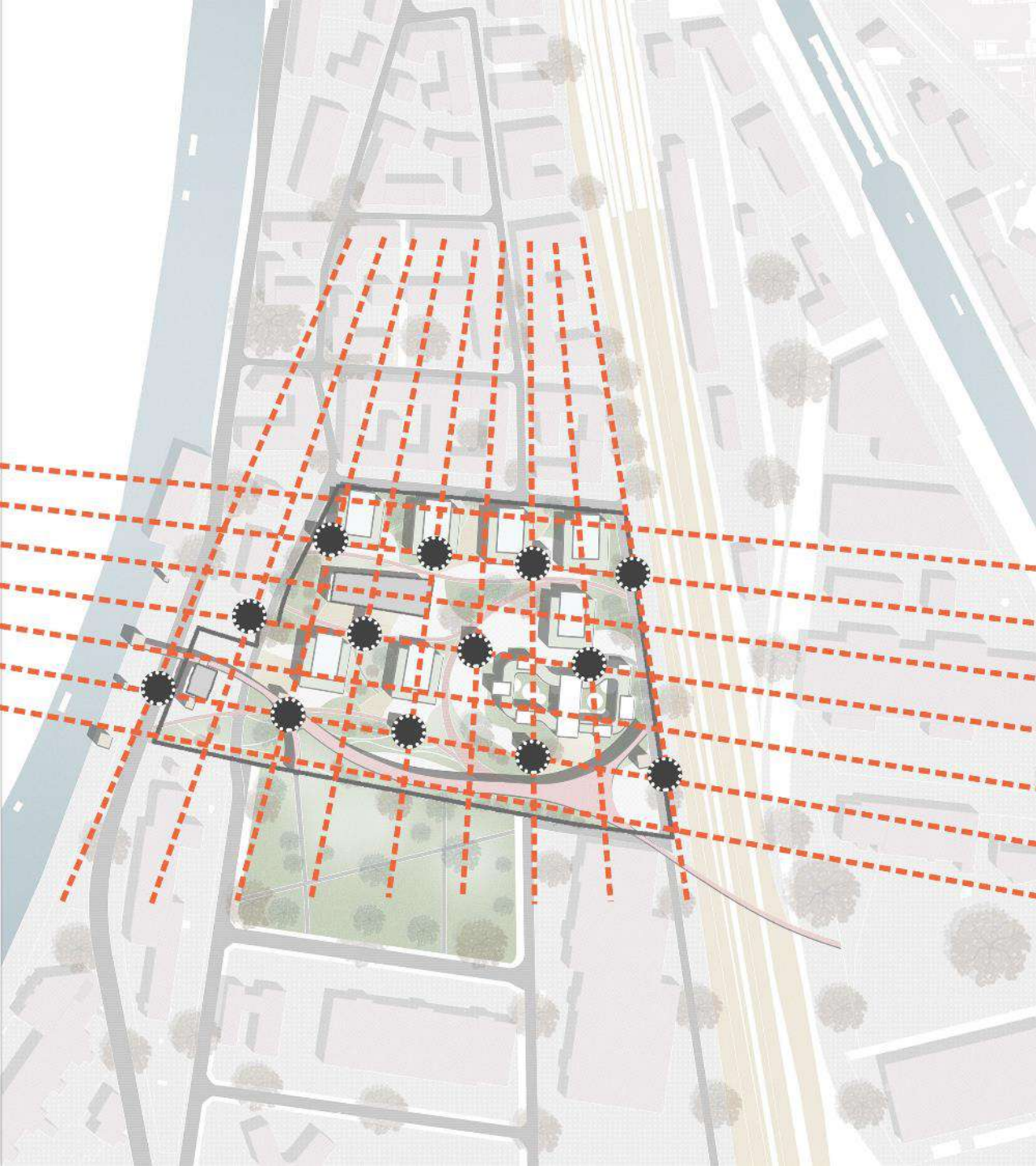
GROUND FLOOR

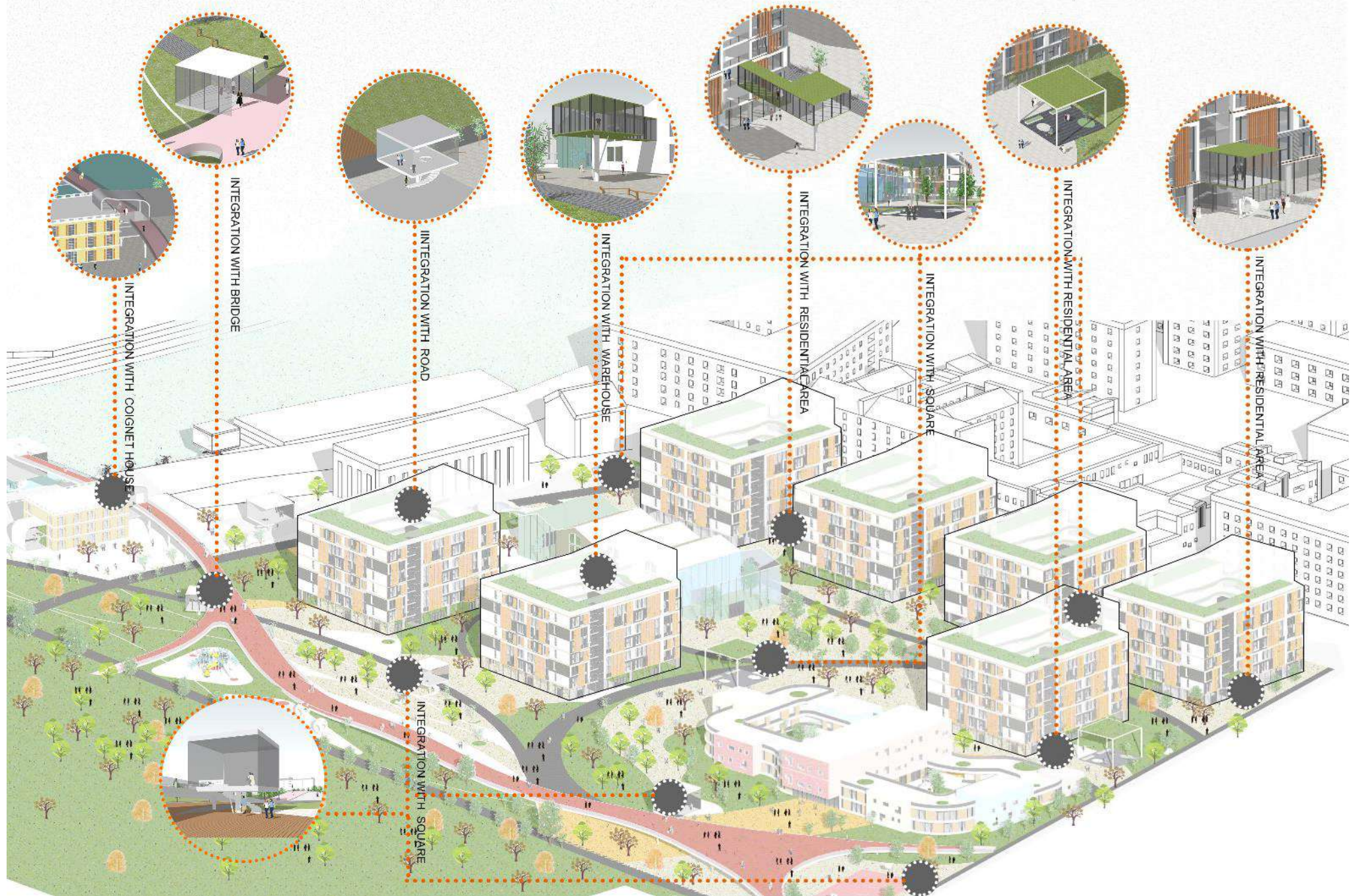


FIRST FLOOR



SECOND FLOOR

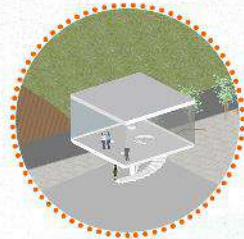




INTEGRATION WITH COIGNET HOUSE



INTEGRATION WITH BRIDGE



INTEGRATION WITH ROAD



INTEGRATION WITH WAREHOUSE



INTEGRATION WITH RESIDENTIAL AREA



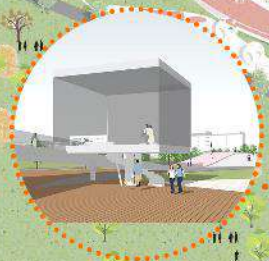
INTEGRATION WITH SQUARE



INTEGRATION WITH RESIDENTIAL AREA



INTEGRATION WITH RESIDENTIAL AREA

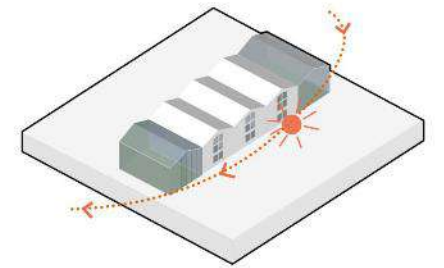


INTEGRATION WITH SQUARE

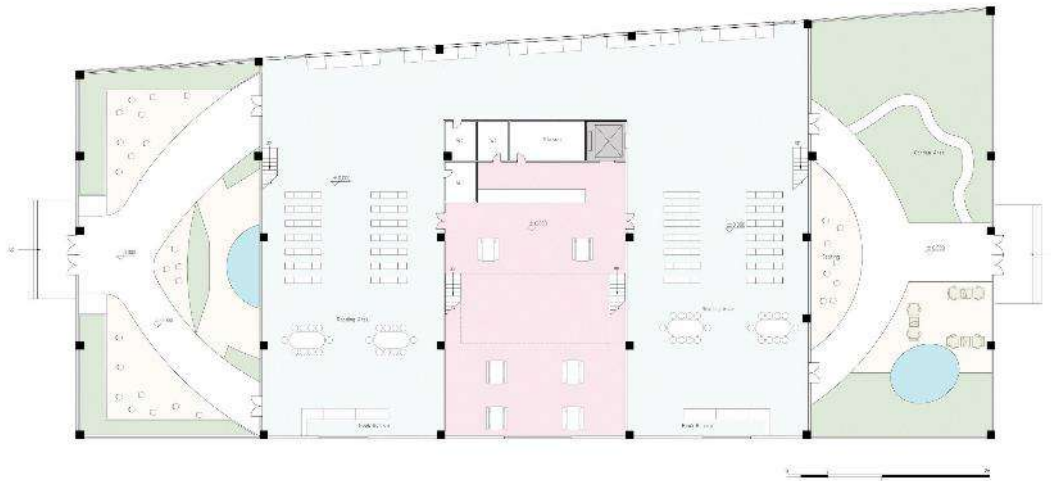


Warehouse

- Morning and Evening light capture
- Social indoor meeting spaces
- Community learning

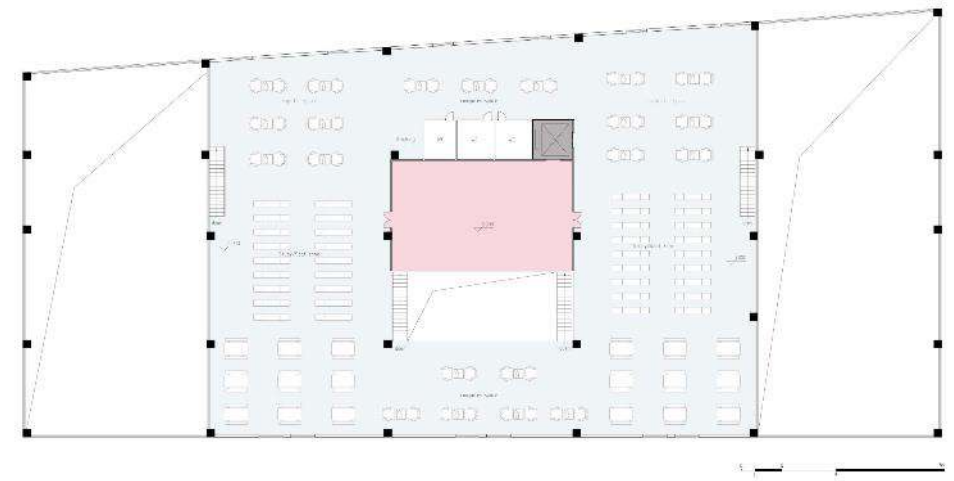


Ground Floor

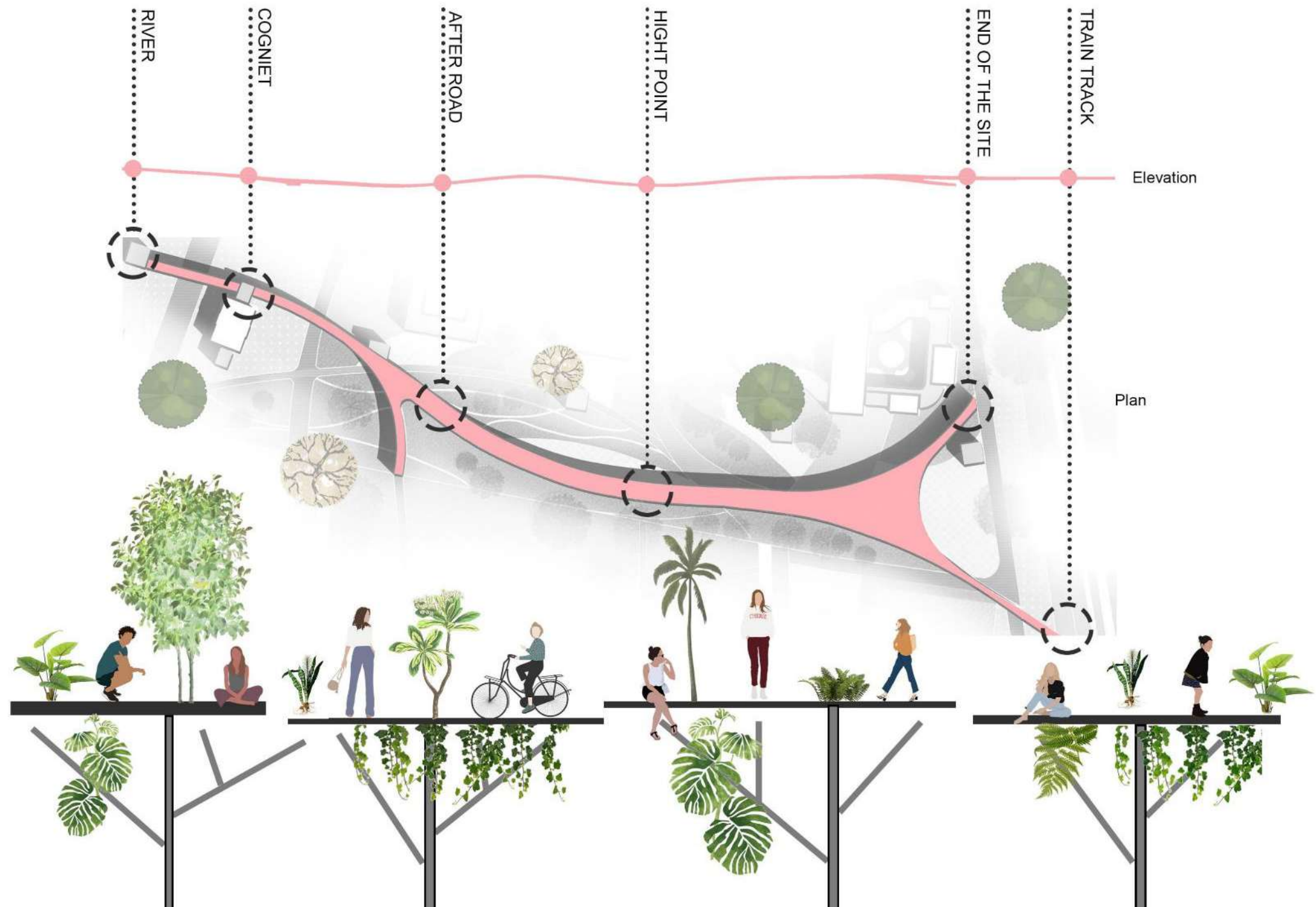


- Green spaces
- Easy access to Wi-fi
- Café and social spaces

First Floor



- Easy computer access
- Library space
- Study room







Thank you for EXperiencing OUr
ENvironment