

# Students & Young Adults

A vibrant hub for after-school workouts, casual basketball games, and lifestyle learning — where fitness meets friendship and self-growth.



urban area. This limits outdoor fitness opportunities and reinforces the need for internal exercise spaces — but

highlights urban infrastructure issues beyond your site's control.



boxing



pilates

yoga



## I. Disconnected Pedestrian Network George Town's sidewalks and pedestrian paths are often narrow, broken, or abruptly end. This discourages walking and makes jogging or safe commuting by foot difficult — especially for the elderly, children, or those with disabilities.

## 2. Lack of Public Sports Facilities Despite a growing urban population, there is a noticeable lack of accessible, inclusive, and safe public spaces for fitness, wellness, and recreation within the city core.

## 3. Unhealthy Lifestyle Habits

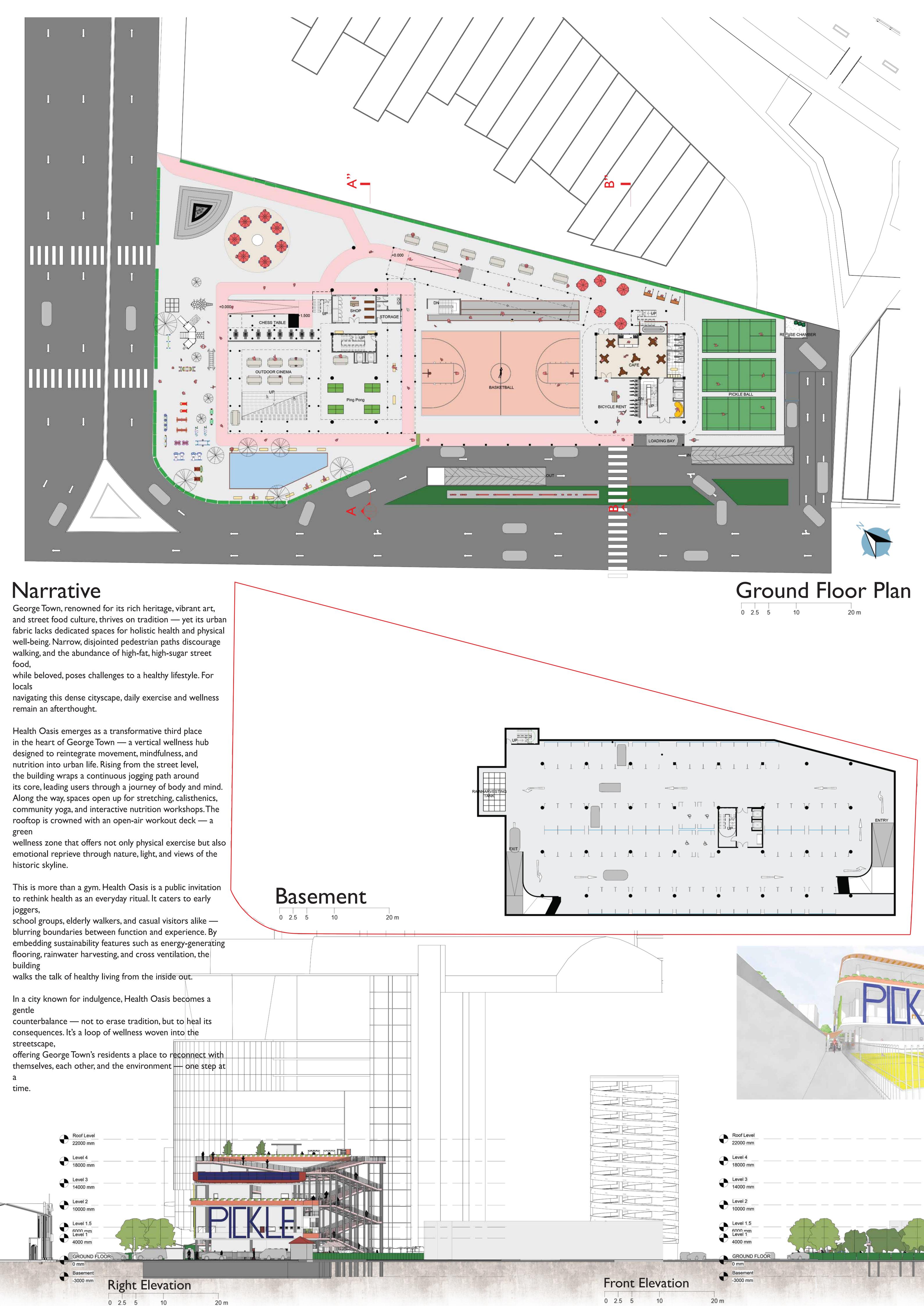
The city is renowned for its delicious — but oily and high-calorie — street food. Combined with limited spaces for physical activity, this contributes to a sedentary lifestyle and increasing health risks among locals.

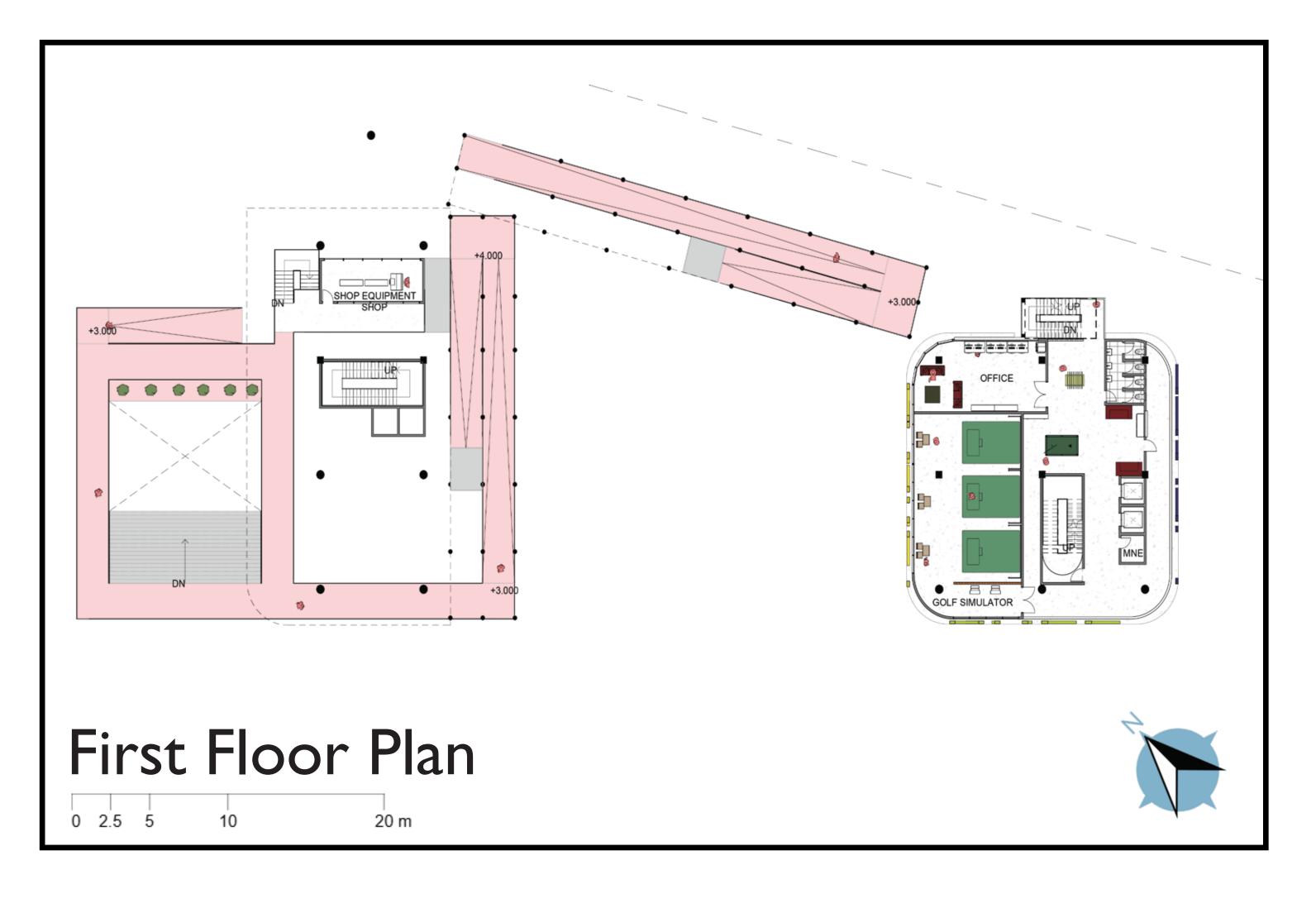


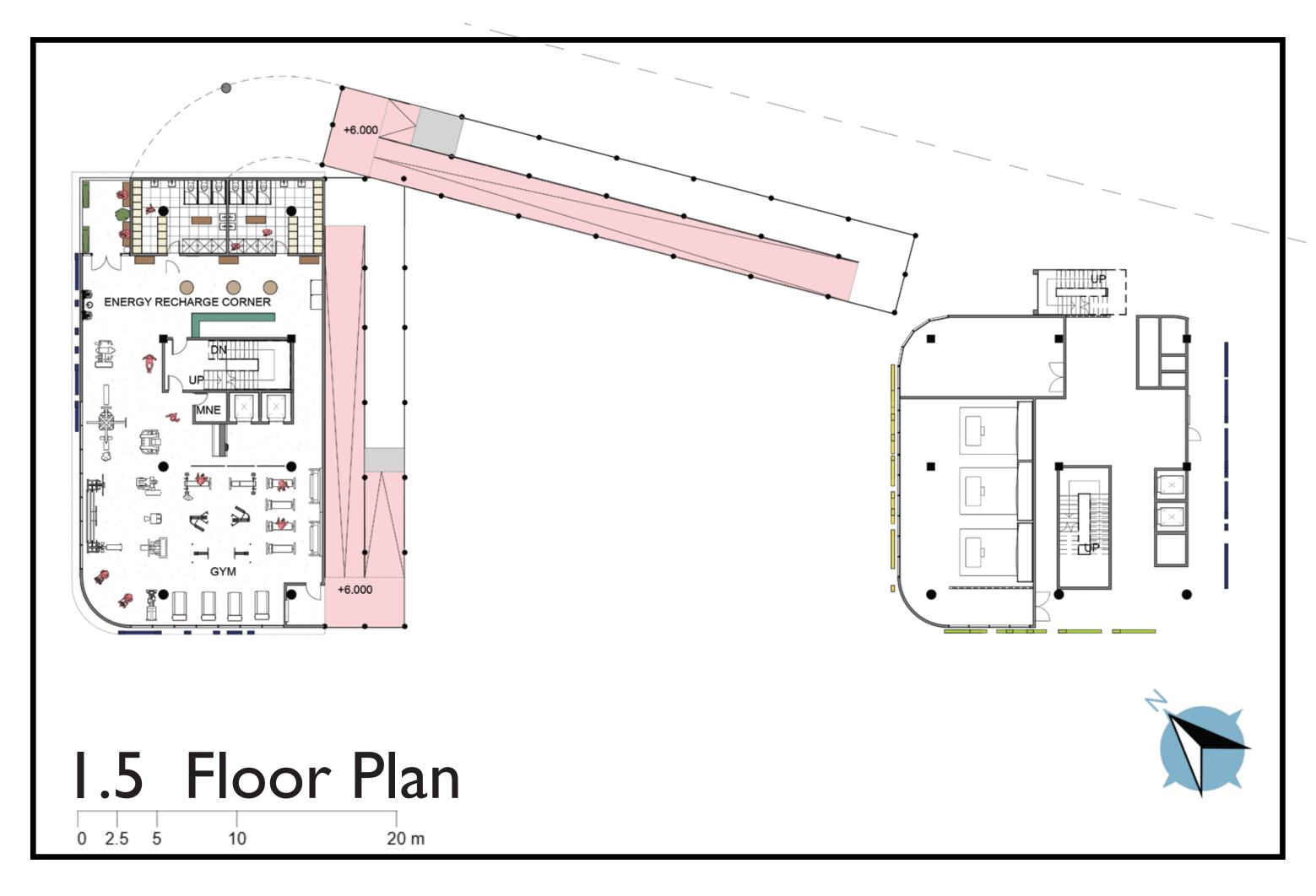


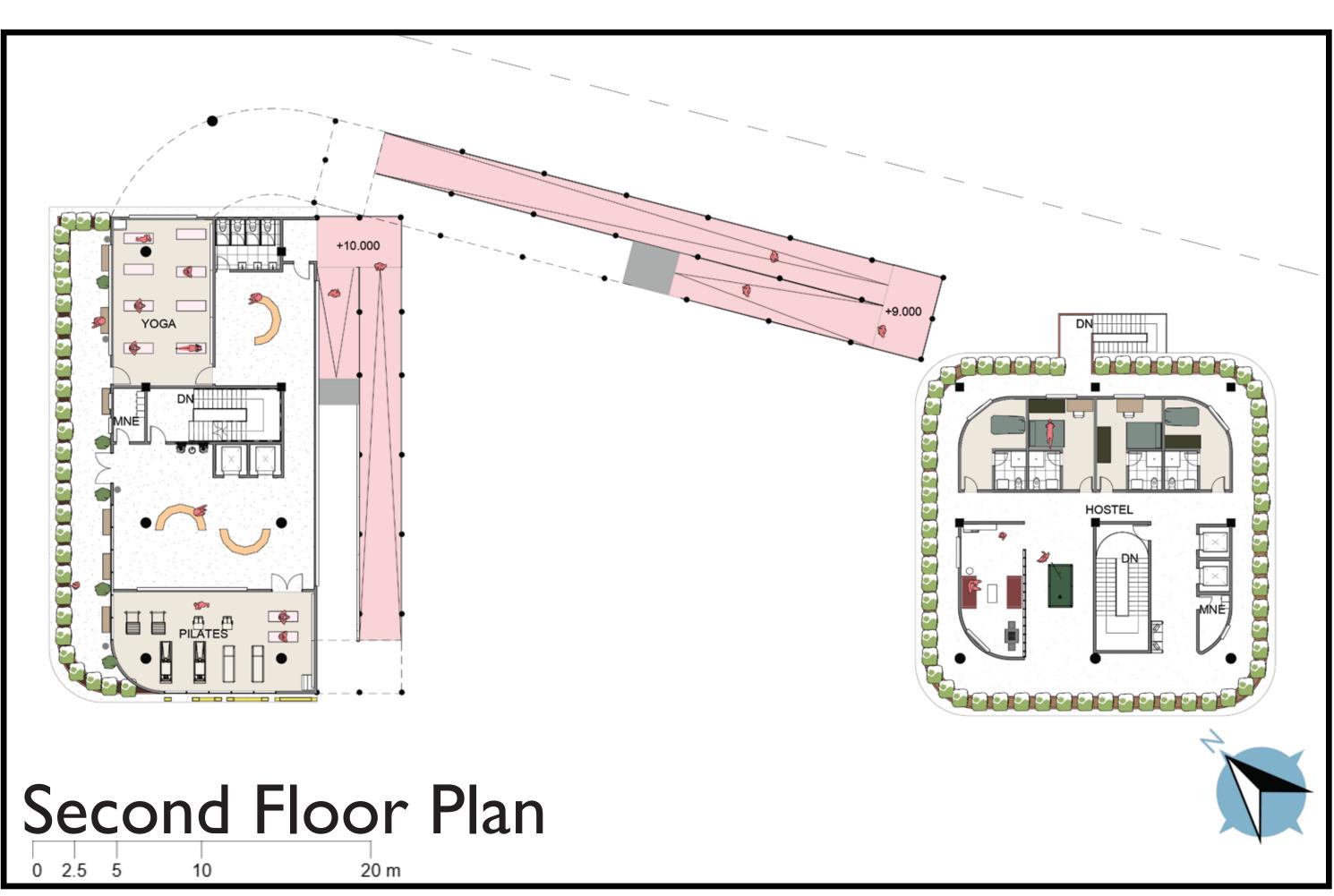


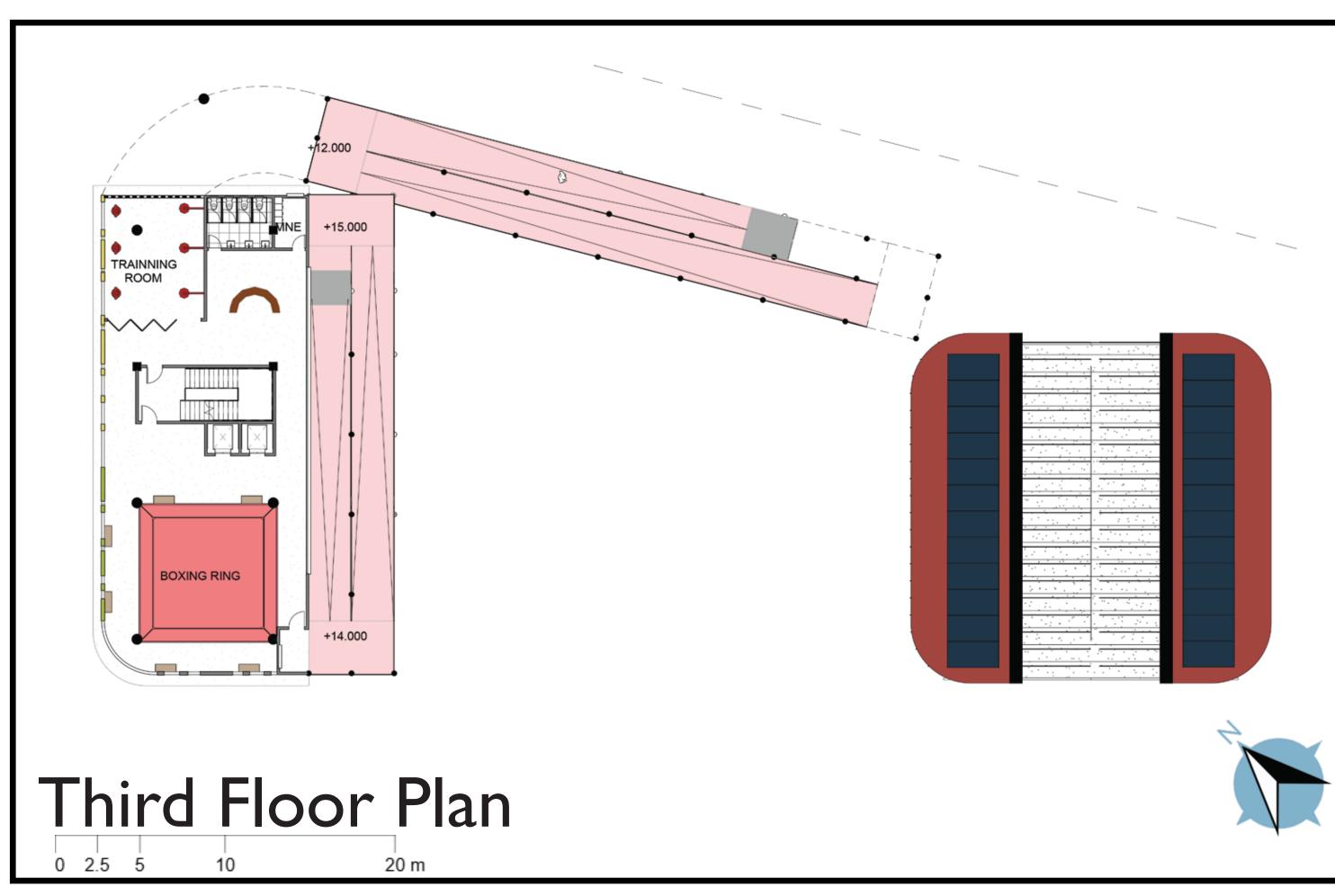


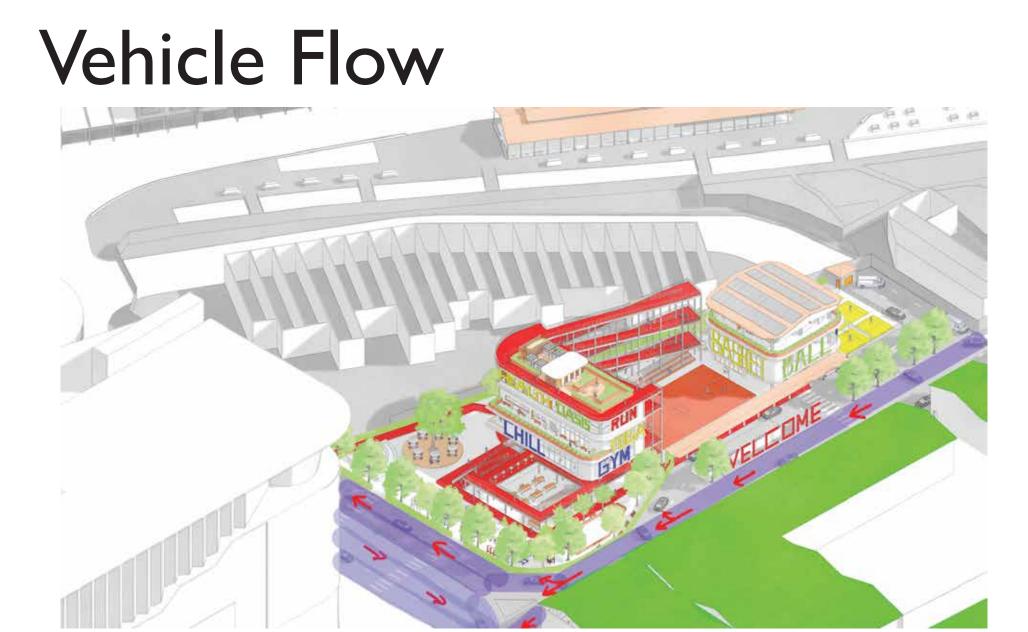




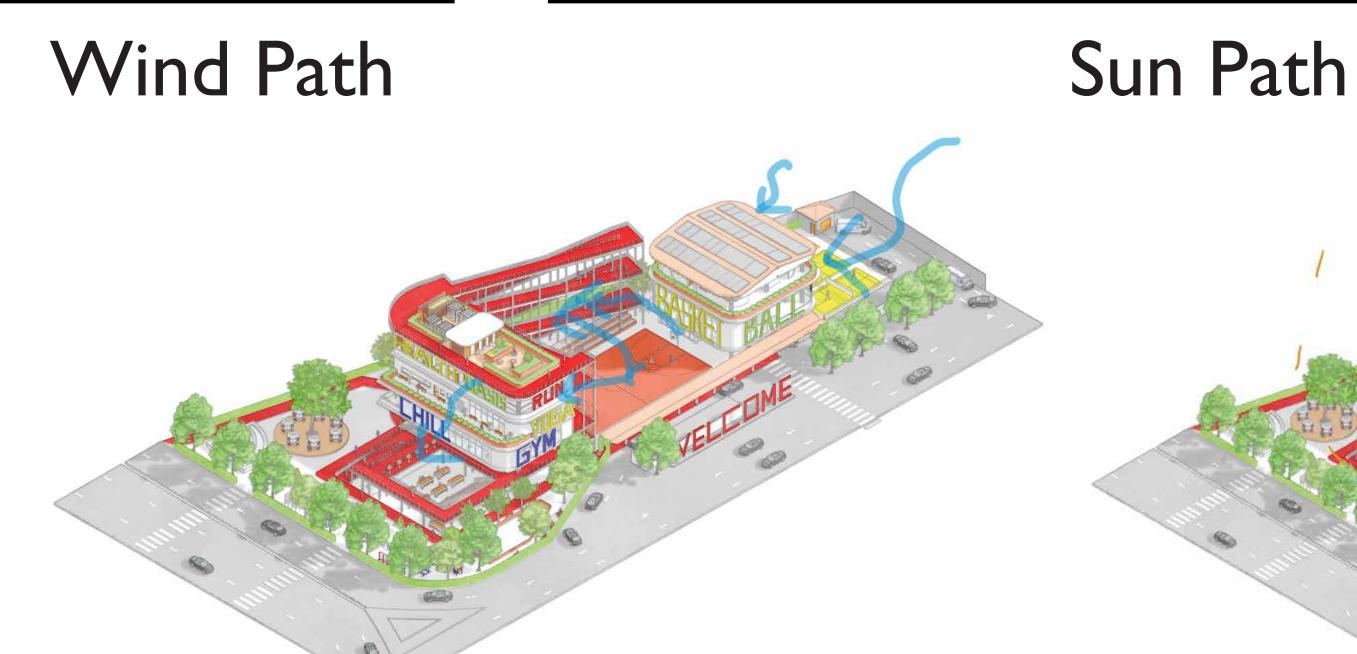








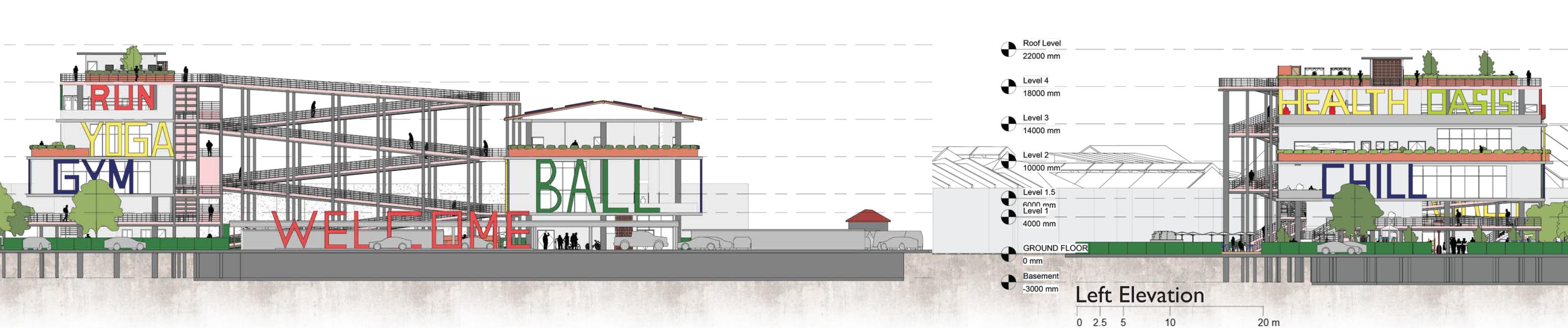
Main road access (blue) and the direction of car movement (red arrows) around the site. The clear one-way flow ensures smooth circulation and highlights the main entry point marked with "WELCOME".



The building is designed to allow natural wind to flow through open spaces and corridors. Cross ventilation and rooftop openings help keep the space cool, reducing the need for air conditioning and creating a more comfortable environment for users

The building is strategically oriented to minimize direct exposure to the harsh western sunlight, which is the most intense. Key activity spaces are placed away from the west side, while the building massing and shading elements protect interior spaces from overheating. The building also deign alot of window to maximise the natural lighting. This passive design approach improves indoor comfort and reduces energy use for cooling and artificial light.







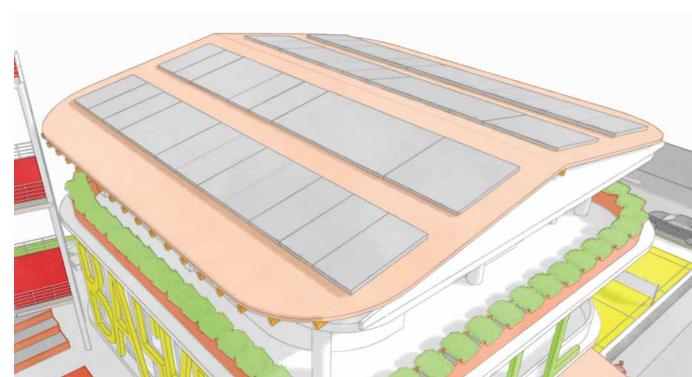
Kinetic floor tiles are embedded along the red jogging

path. As users run or walk, their footsteps generate

such as lighting along the track.

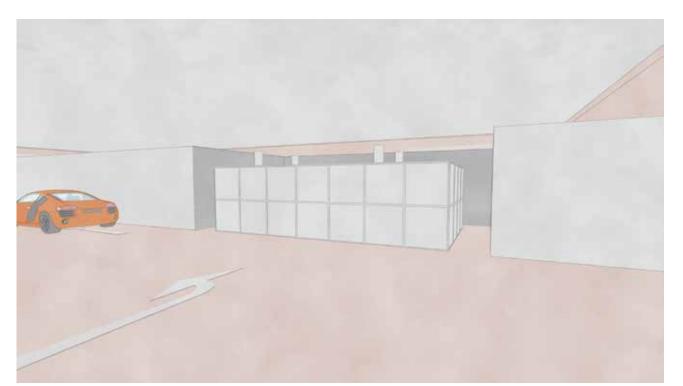
clean electricity that helps power parts of the building,

Bevel Gear

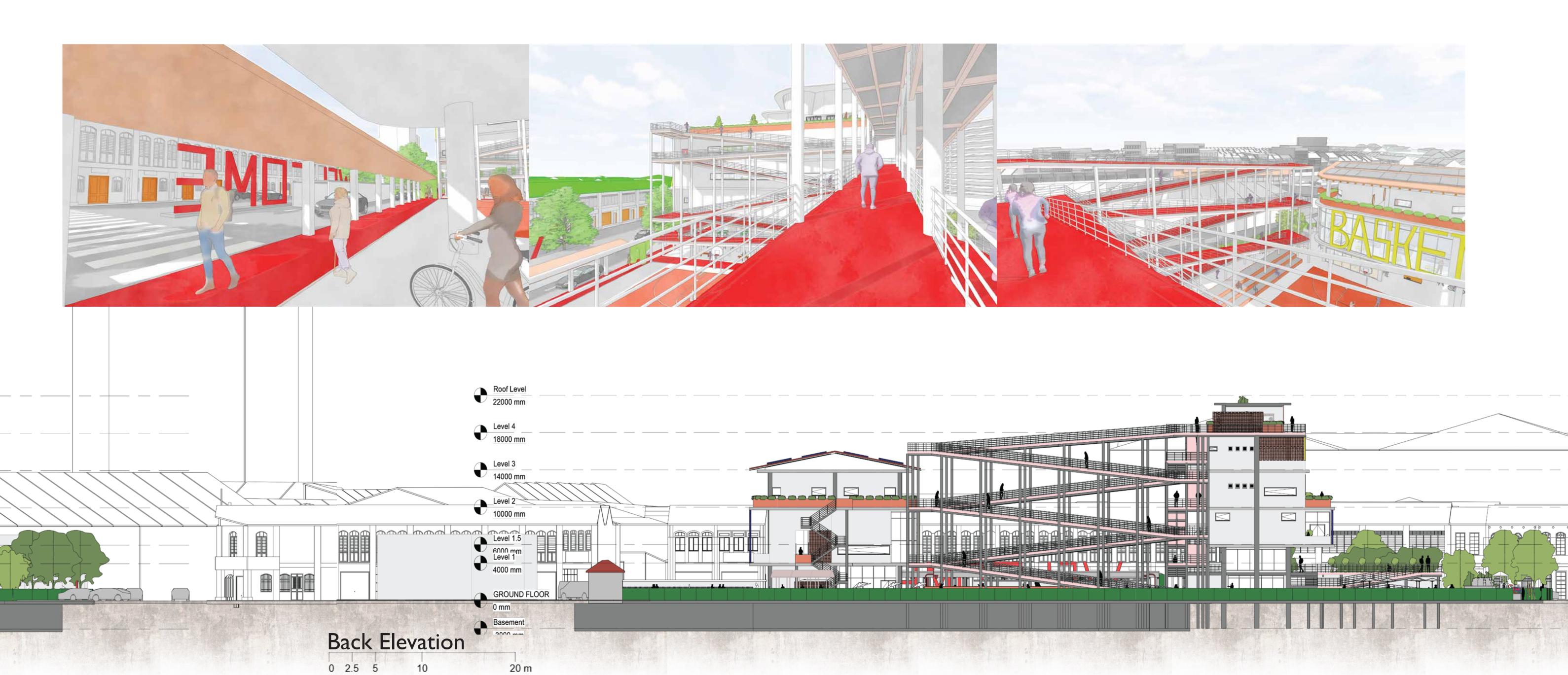


Electromagnetic

Solar panels are installed on the roof to harvest solar energy. This reduces reliance on grid electricity and supports the building's gym, lighting, and air circulation systems.



Rainwater is collected from the ground-level drainage and rooftop surfaces, then funneled to a storage tank located in the basement. This water is filtered and reused for toilet flushing, irrigation, and general maintenance.







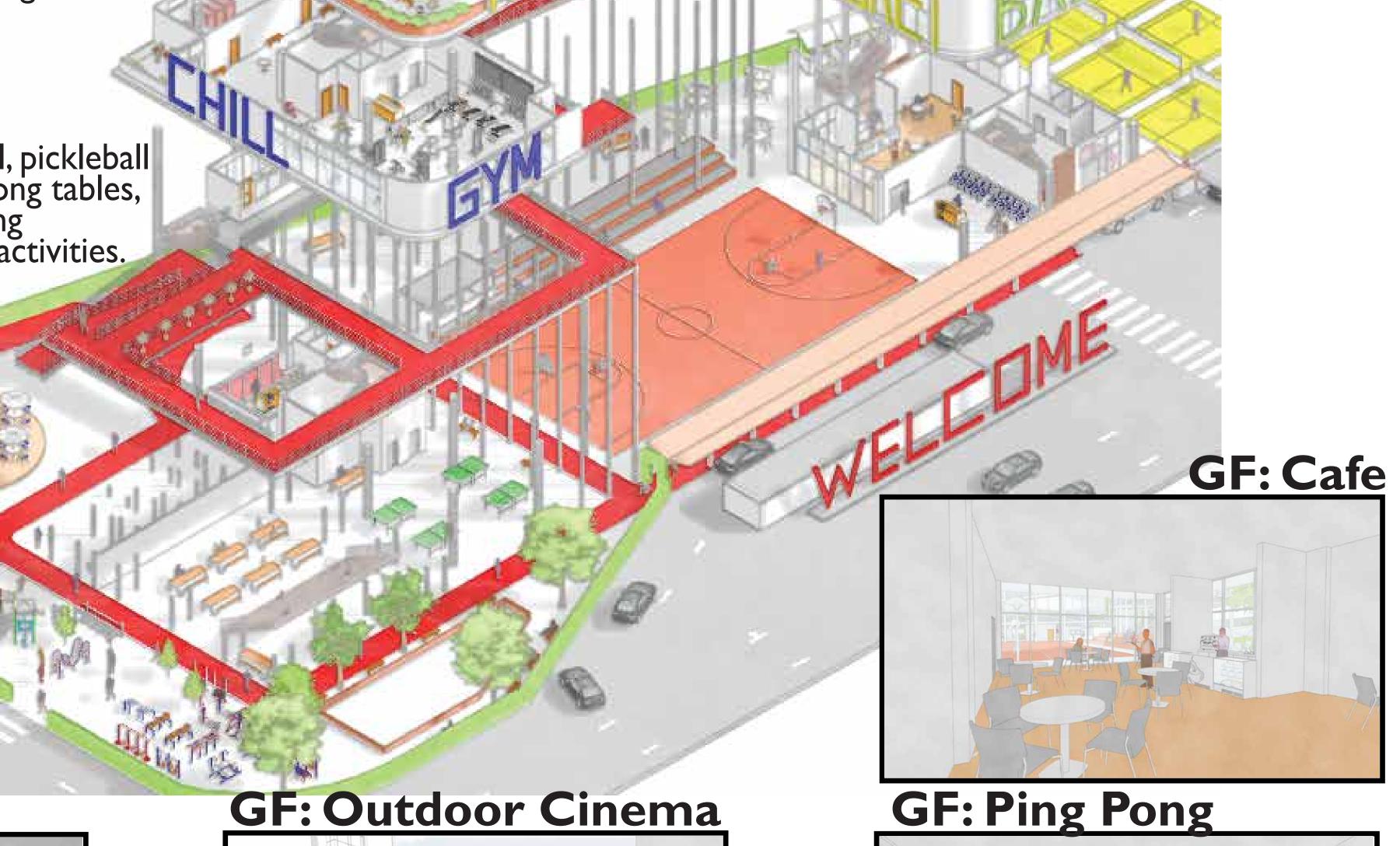
Second Floor: Calm and focused spaces for yoga and pilates practices.

# First Floor:

Dedicated gym space equipped for strength and cardio training.

# **Ground Floor:**

A vibrant public zone featuring a café, bicycle rental, pickleball court, basketball area, ping pong tables, and a jogging track — catering especially to elderly-friendly activities.

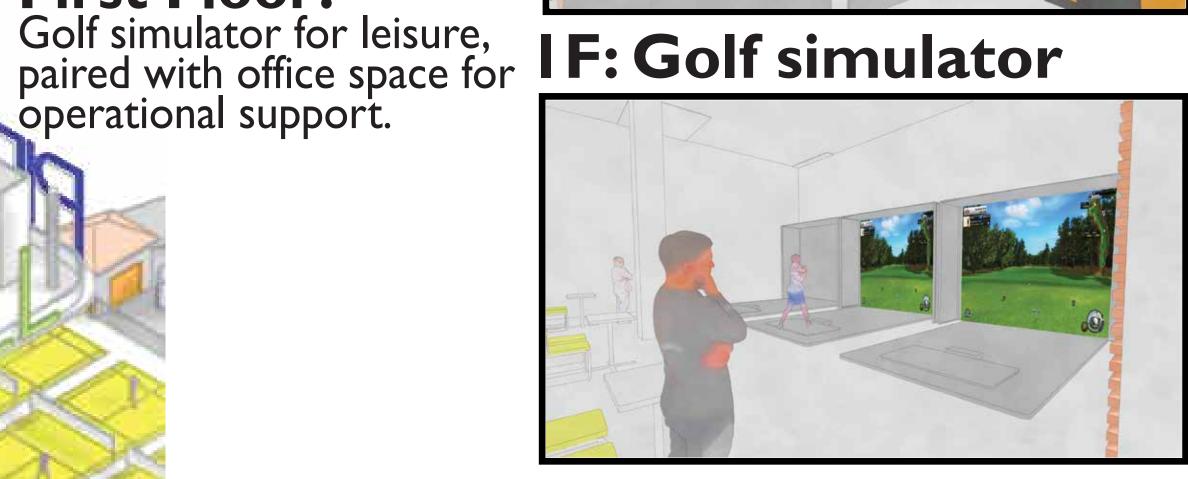


**GF: Shop** 





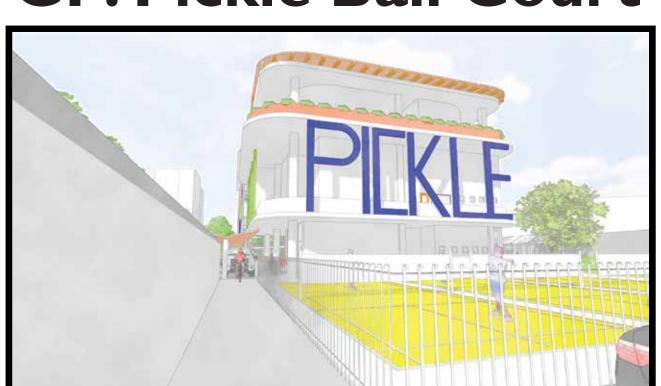




**GF: Bicycle Rental** 



**GF: Pickle Ball Court** 



**GF: Basketball Court** 

