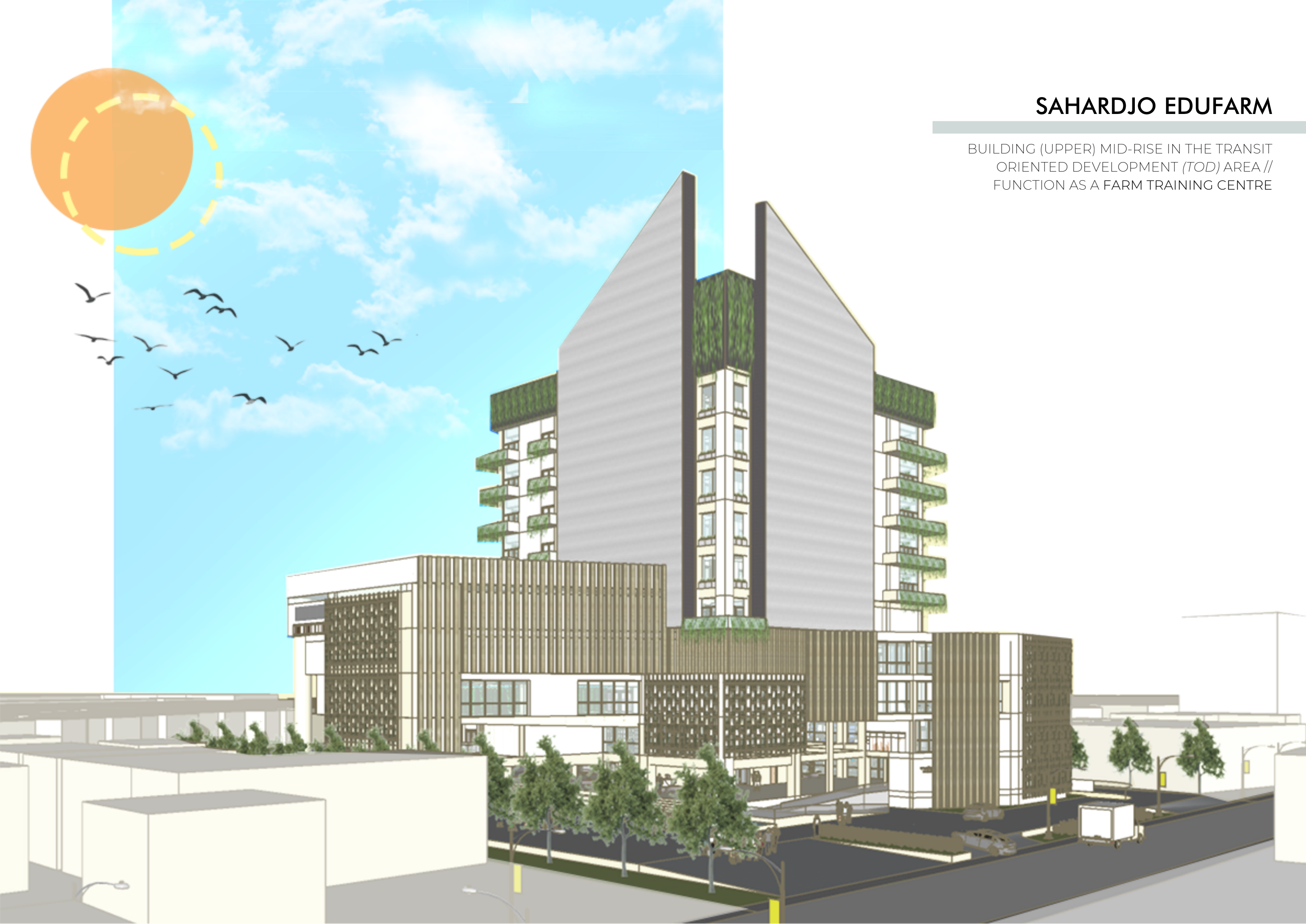
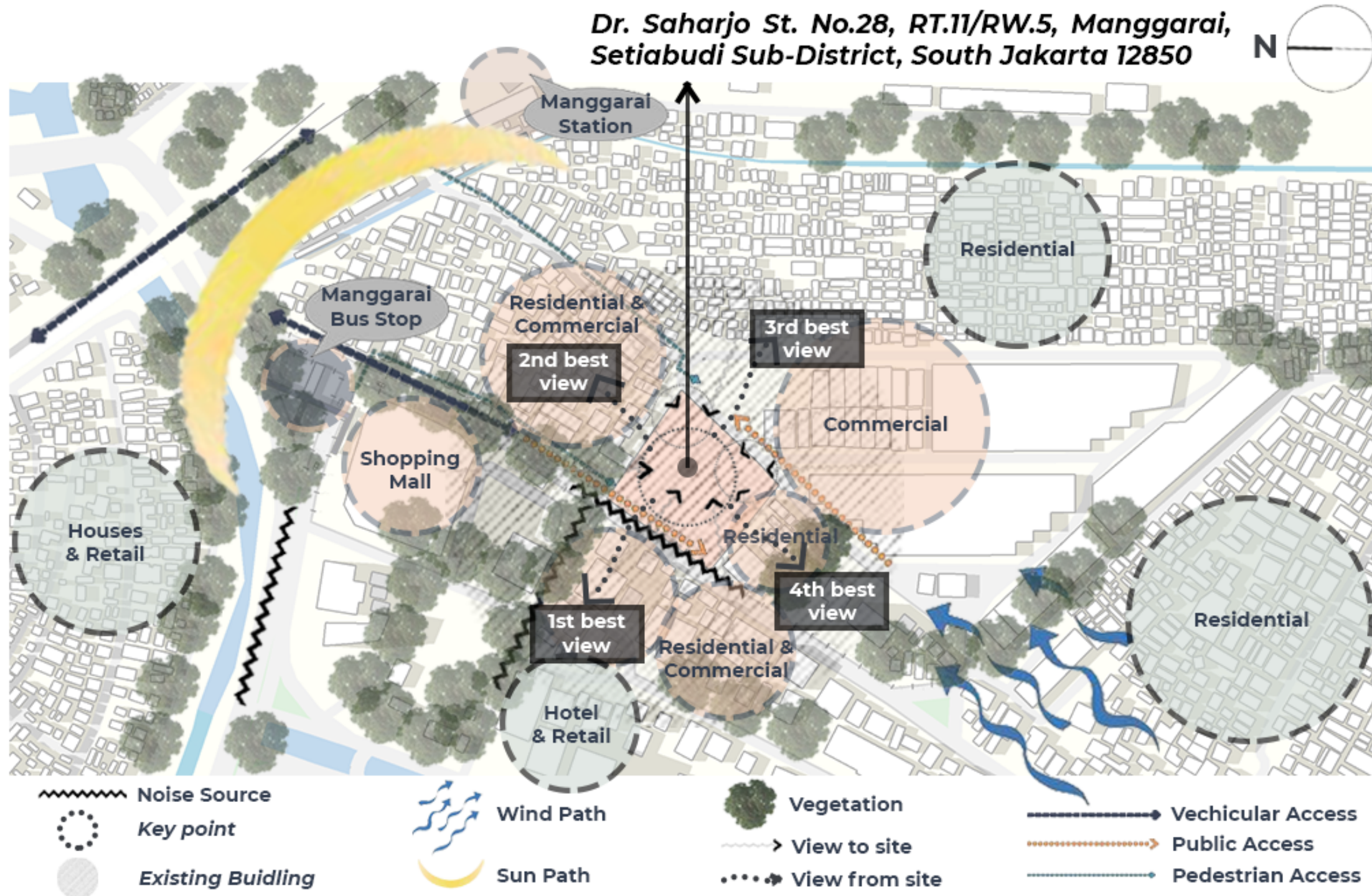


# SAHARDJO EDUFARM

BUILDING (UPPER) MID-RISE IN THE TRANSIT  
ORIENTED DEVELOPMENT (TOD) AREA //  
FUNCTION AS A FARM TRAINING CENTRE



## SITE ANALYSIS



- The site is within the TOD range ( $\pm 300$  m)
- Located in a strategic area (education, health, worship, economic facilities are all within a radius of 500 m)
- The function of the building can be used as a focal point in the surrounding area



- Narrow pedestrian path
- Narrow road (only 6m)
- Lack of containers for agricultural areas



- Can attract visitors who come from the terminal/station
- Can contribute to creating green open space around the site environment due to the function of urban farming that supports this
- Creating enough parking space to avoid congestion due to narrow streets



Narrow pedestrian access can reduce the interest of visitors who want to come to the site and also be prone to accidents because pedestrians access the vehicle track

## TARGET USER

- Scientists who are experts in agriculture are needed due to research activities in the space program.
- From the general public, both those with families, individuals and in one group are very allowed to staycation while also getting educational tours



Agricultural Scientist



Family/Relatives



Individual



Group/Team

## THEME

### “Farming Through The Ages”



#### Why does this theme relate to age?

1. Even though the farming era has changed (now is the modern farming era), this project wants to provide an atmosphere that can bring back visitors as if they were farming in the middle of rice fields (traditional farming).
2. As mentioned above, this project is also very welcoming (welcome) from the age of toddlers (children) to the elderly (parents).

## DESIGN STRATEGY



The existence of a vertical farming function can help the surrounding community to meet their daily food needs



Educating the community, especially children about the world of agriculture so that they can add quality educational facilities and also create long-term food security



Using rainwater harvesting technology can reduce the use of clean water



Installation of photovoltaic cells on the roof of buildings can create useful electrical energy, in the sense of the word can reduce the use of electrical energy



The presence of urban farming can ensure sustainable consumption and production patterns



Flood reduction can be overcome by installation of rainwater harvesting

## SYNTHESIS AND DESIGN CONCEPT

1

Due to users can come from all directions, it is necessary to make disabled access and disabled toilets



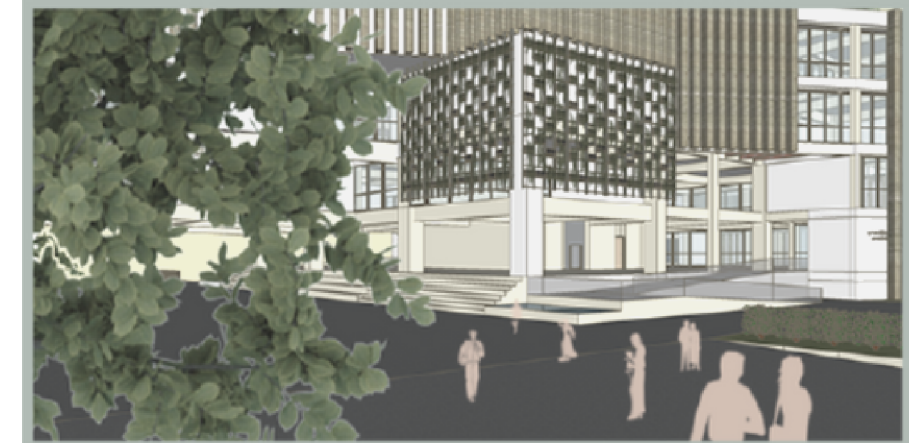
2

According to the related theme, the application of traditional farming can be used by the general public



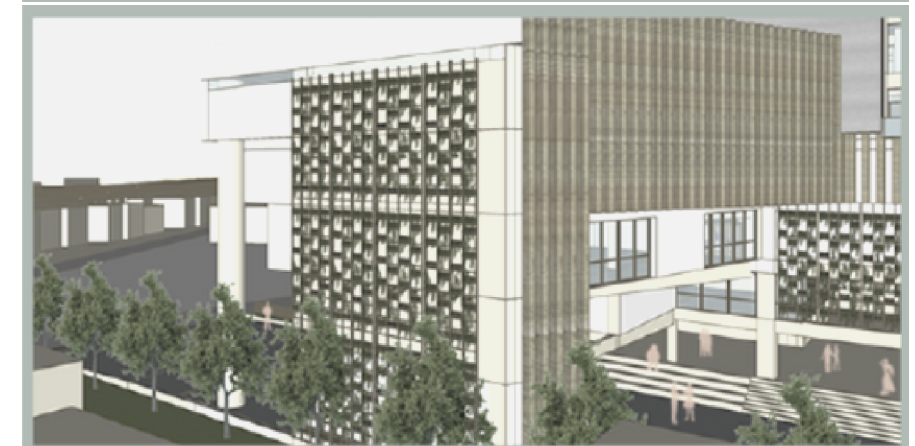
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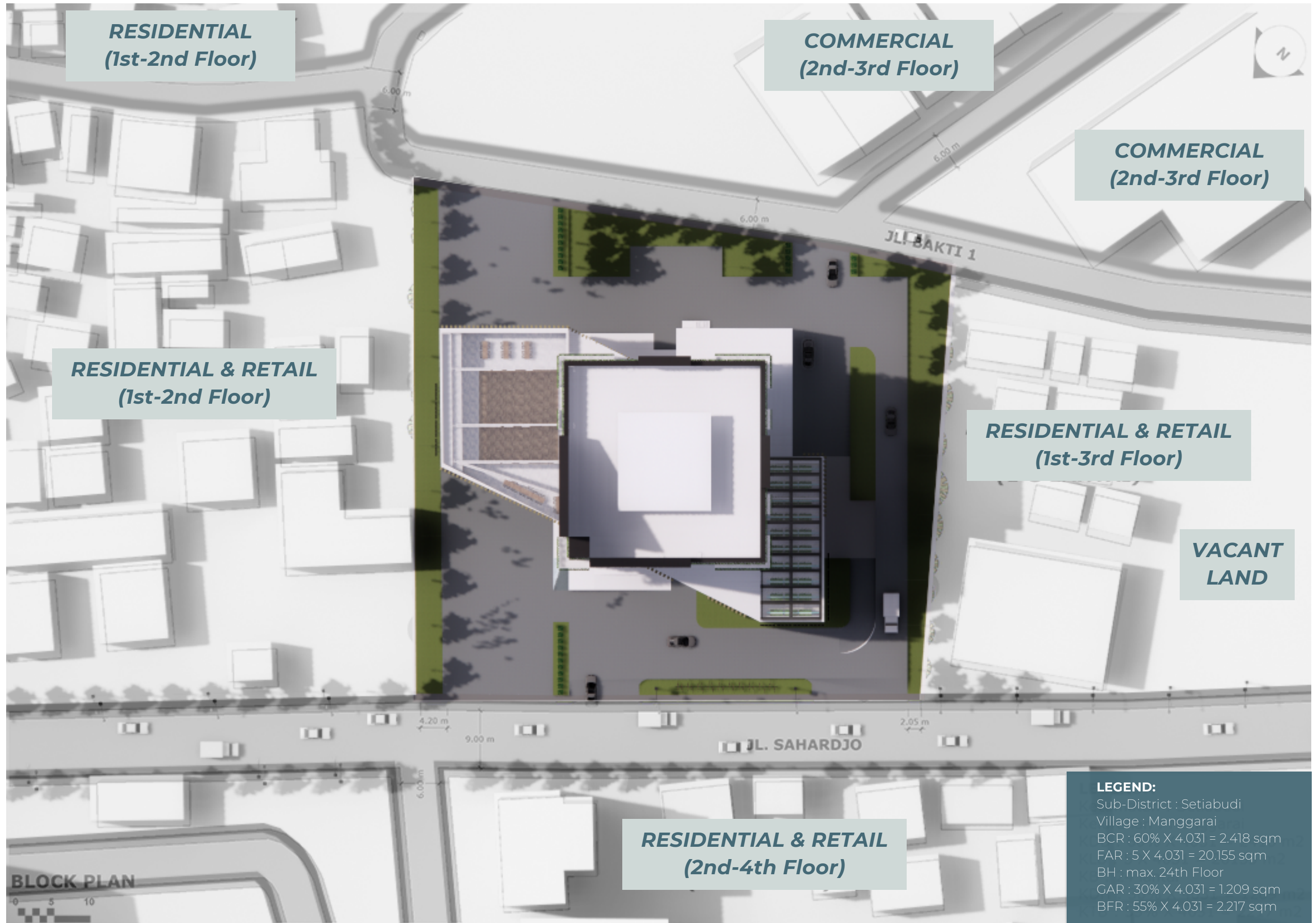
The facade and landscape are given more plants so that visitors can feel comfortable when they are in the open space area



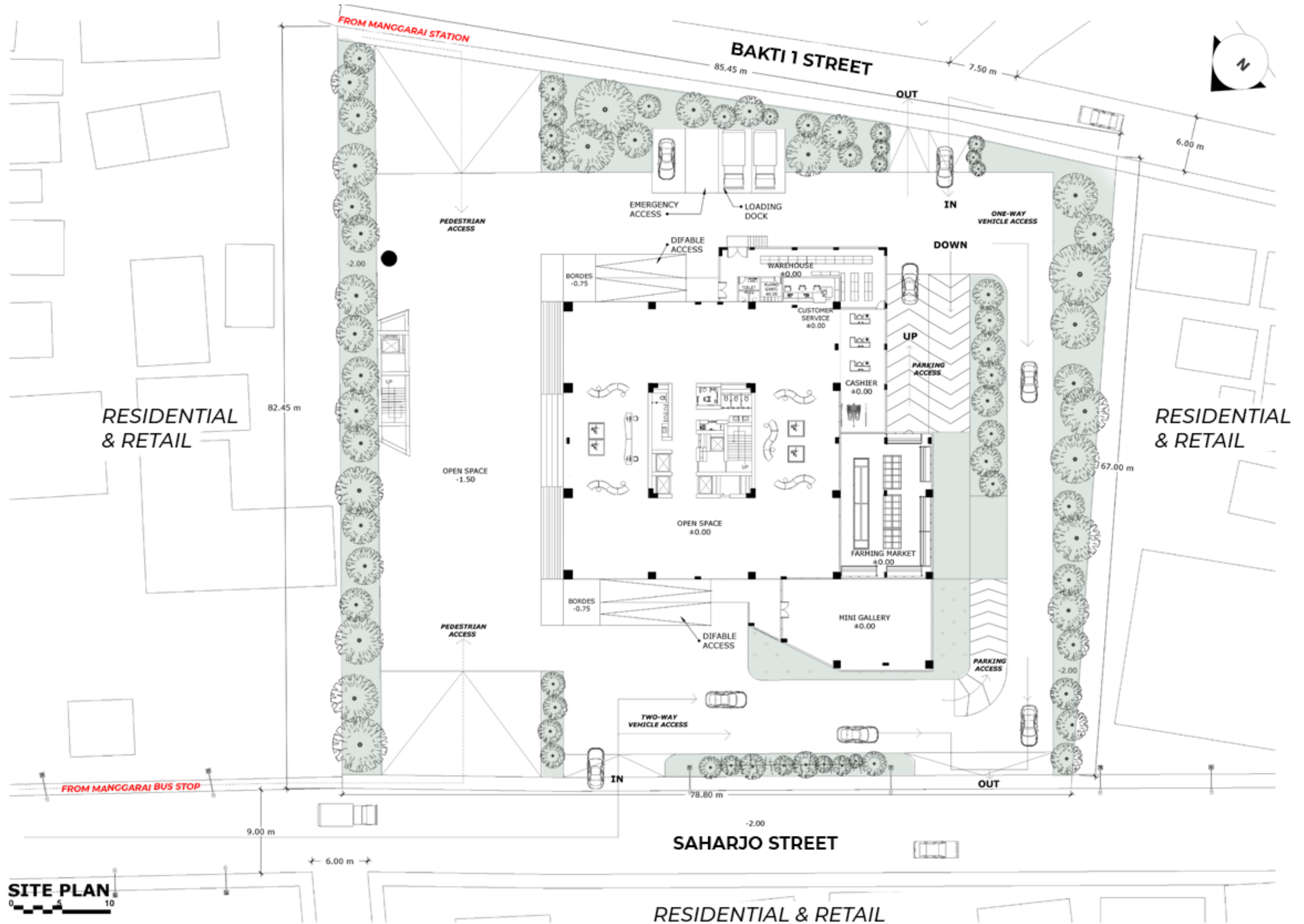
4

The existence of small workshops and large workshops, which if you want to take part in a large workshop, you are required to stay for a few days (this is because you want to bring a recreational atmosphere, not just education)

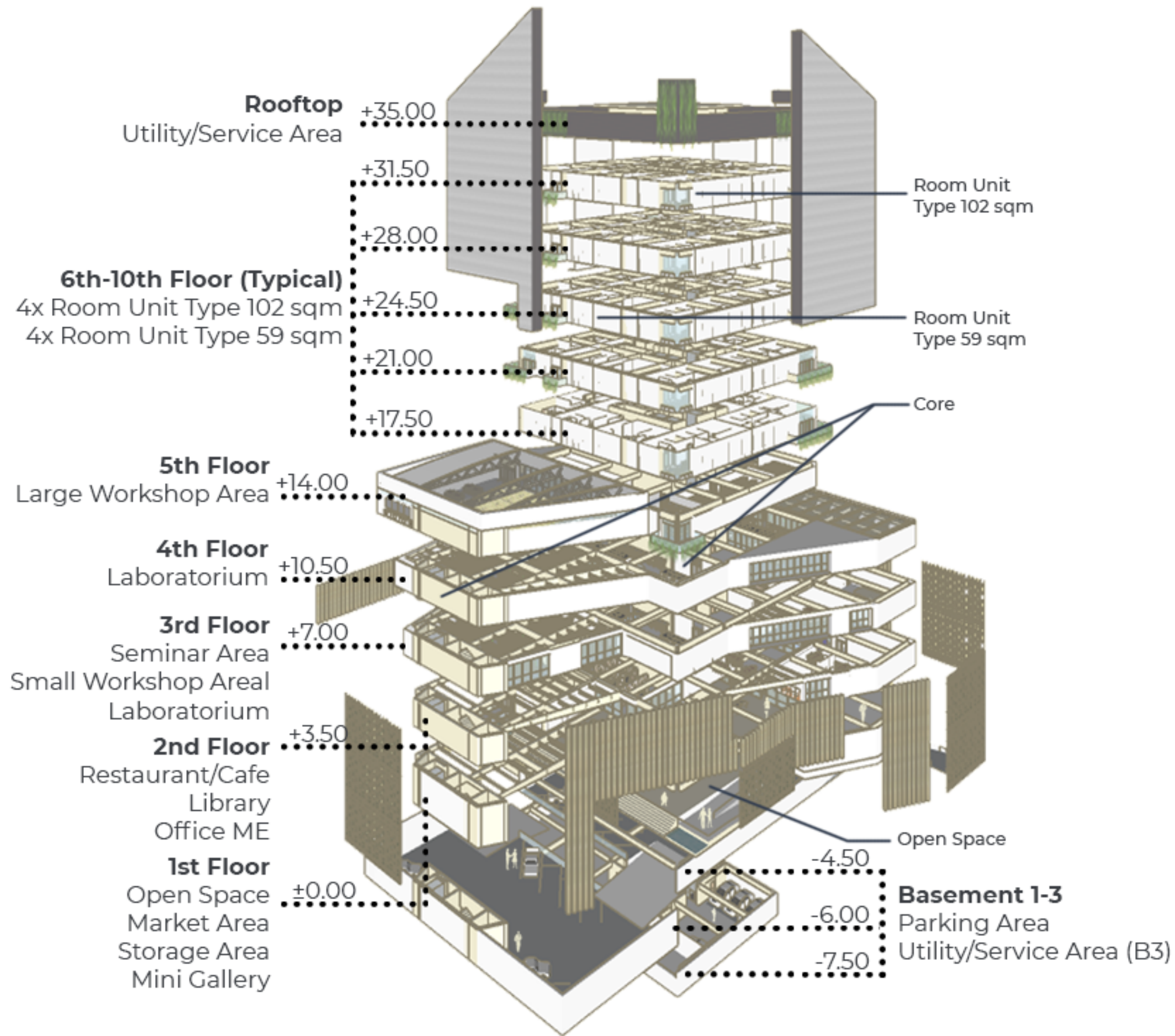




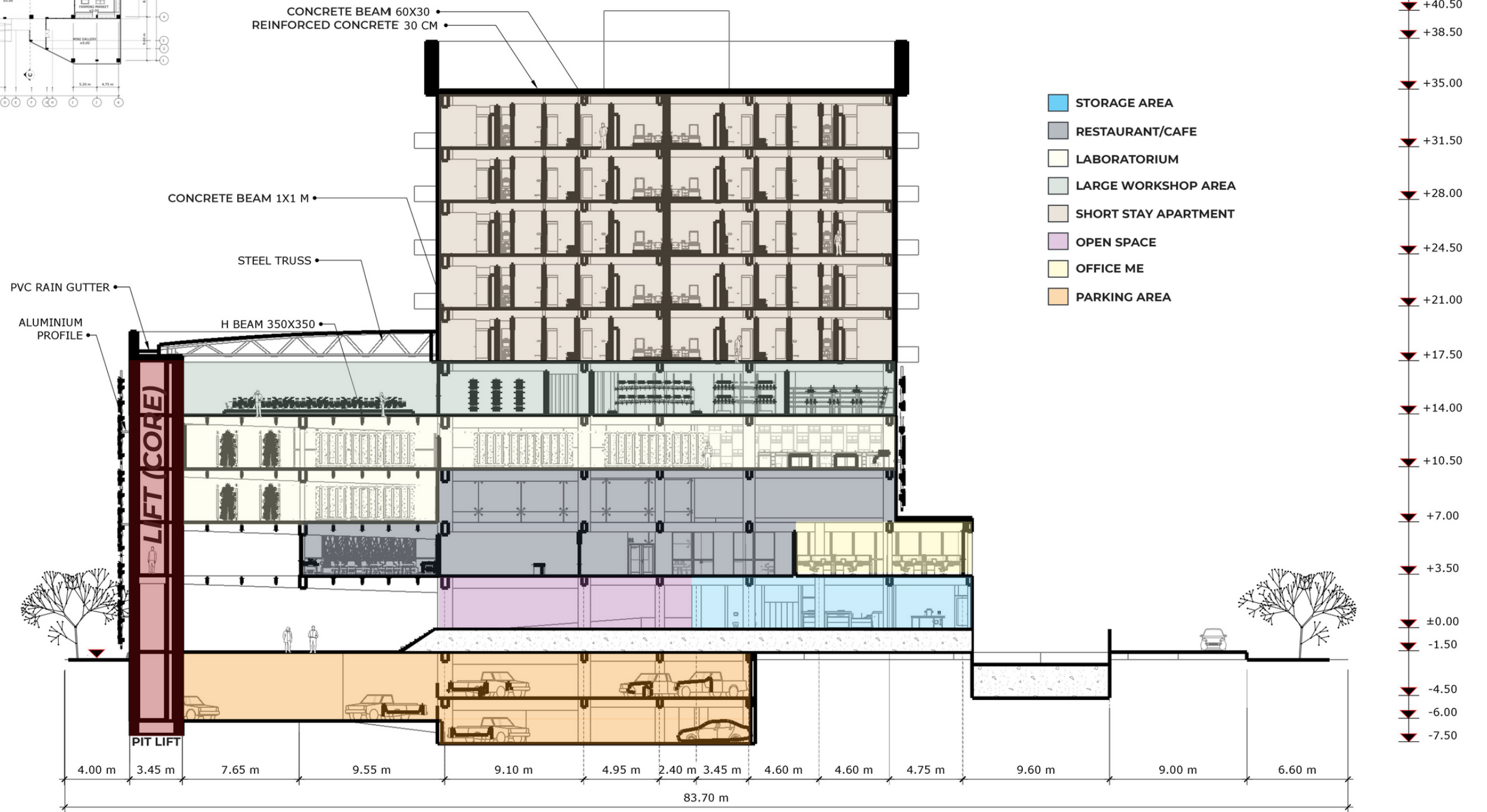
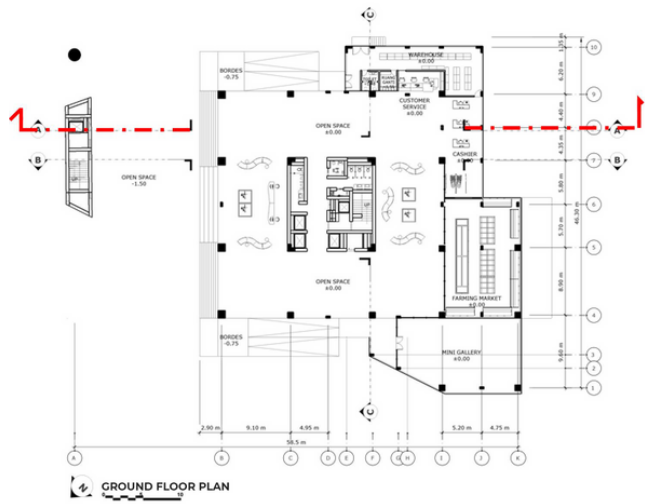
# Site Plan



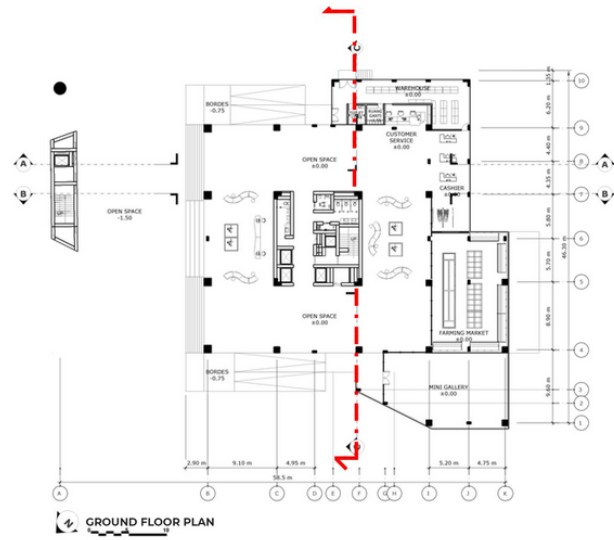
# Building Floor Plan (Exploded)



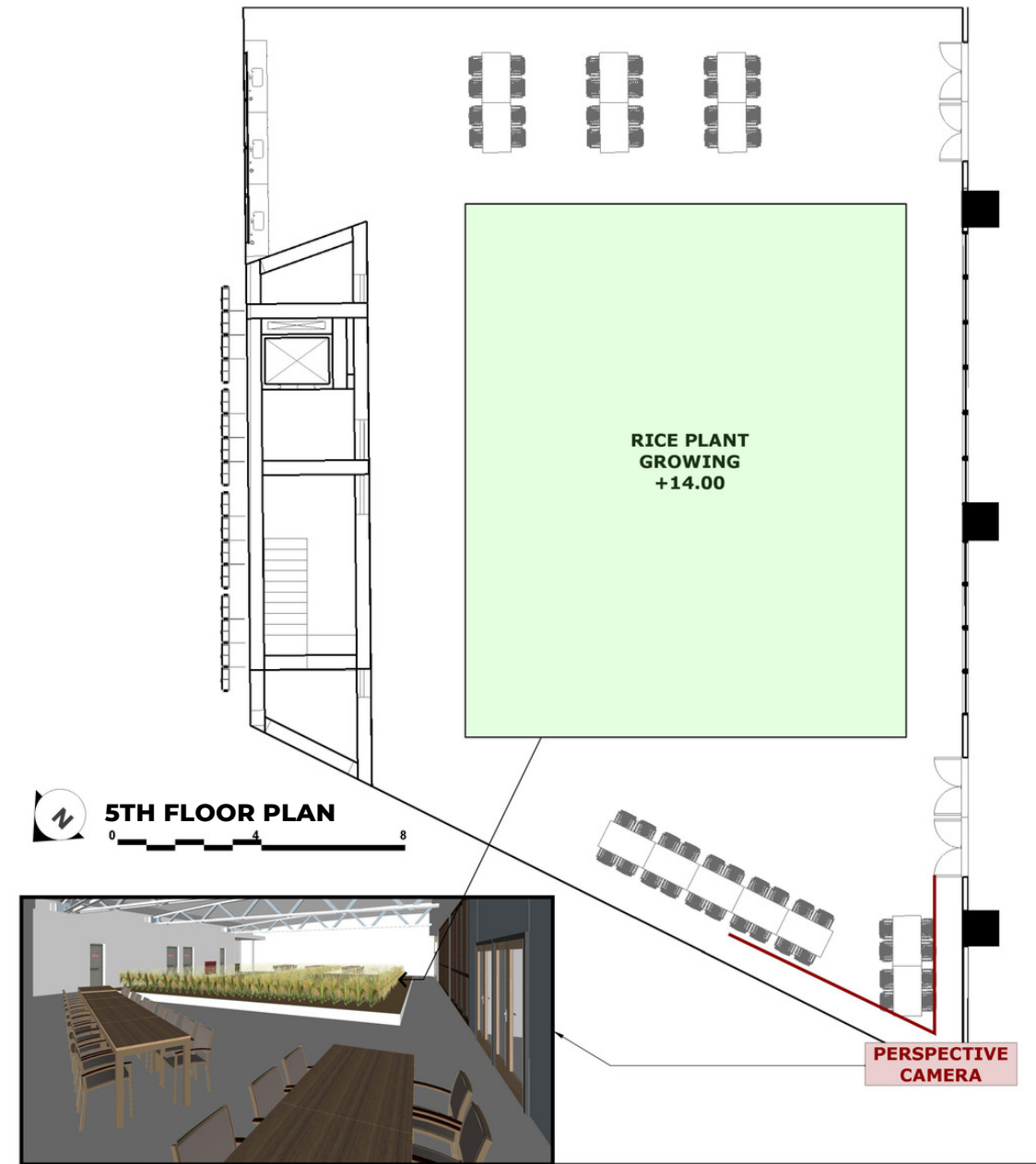
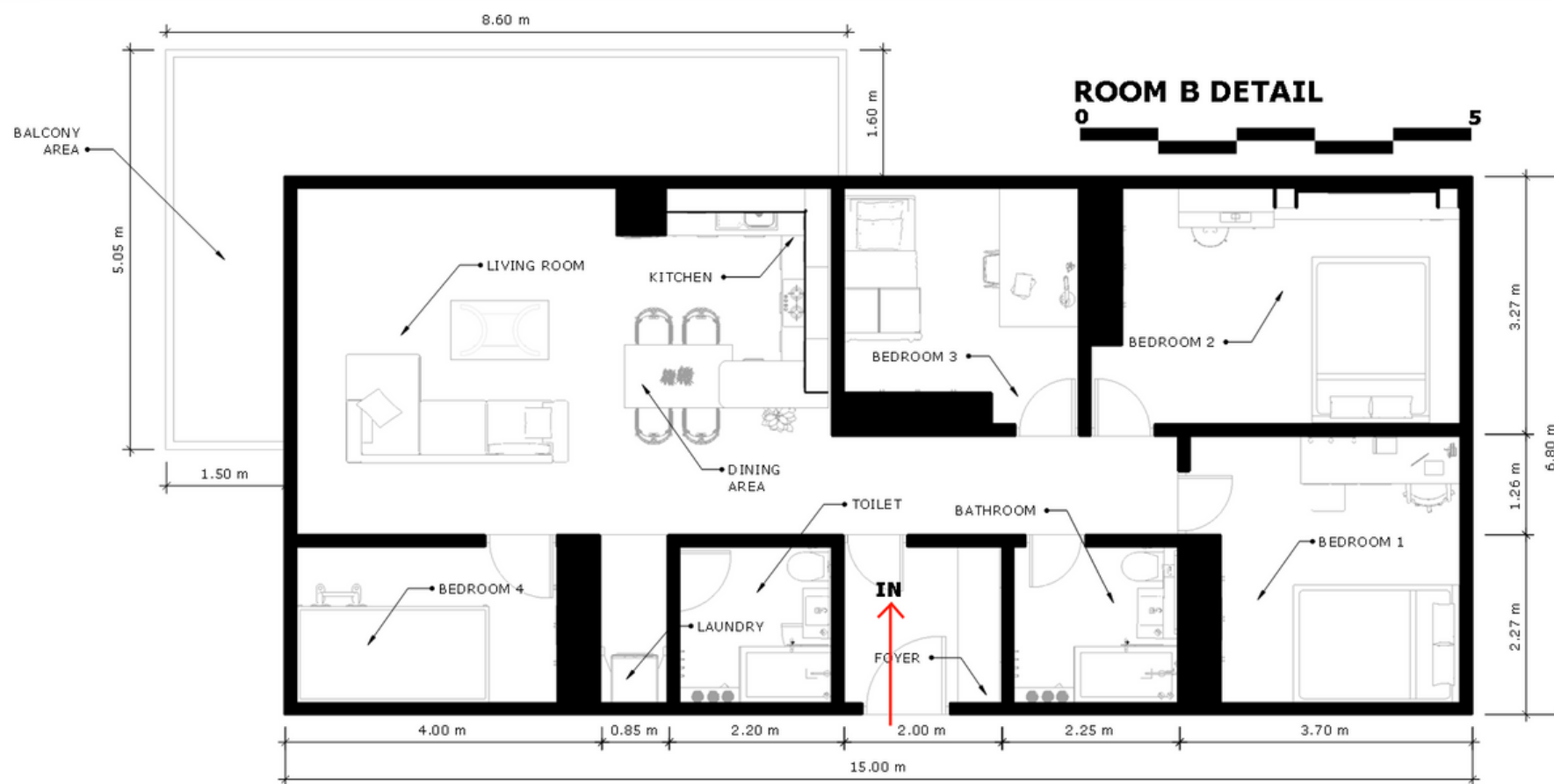
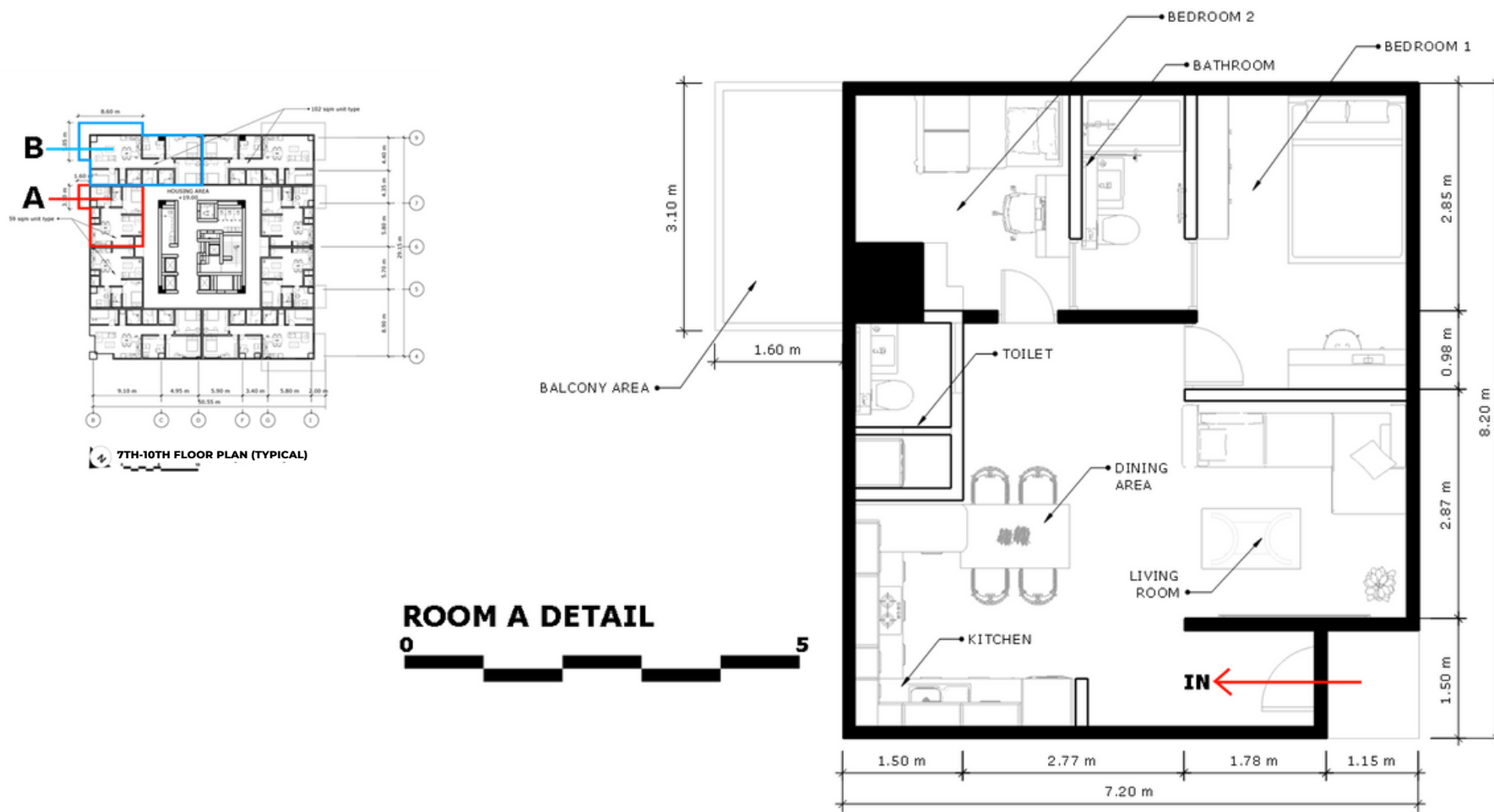
# Section Drawings 1



# Section Drawing 2



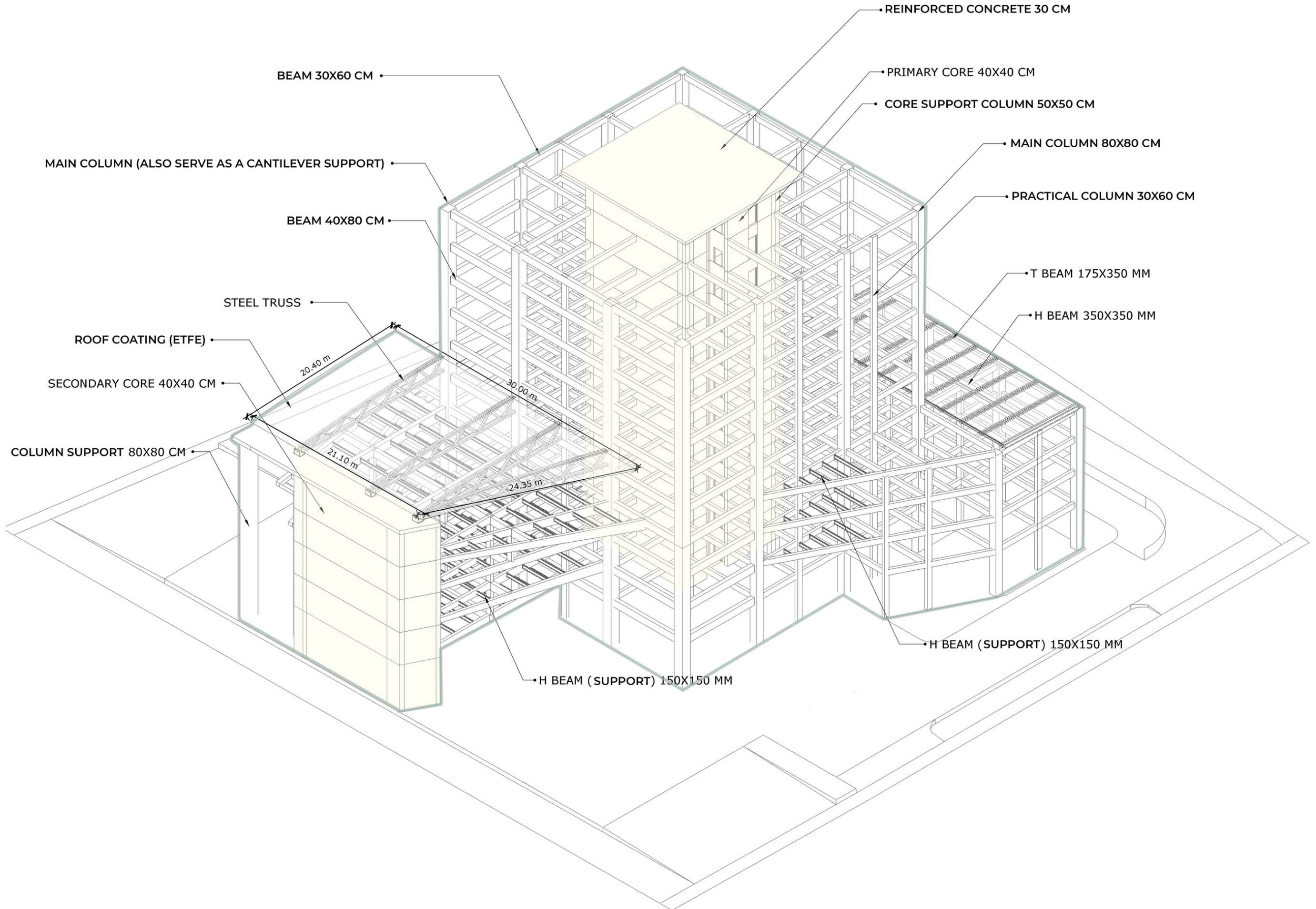
# Specific Room Detail {Short Stay Apartment}

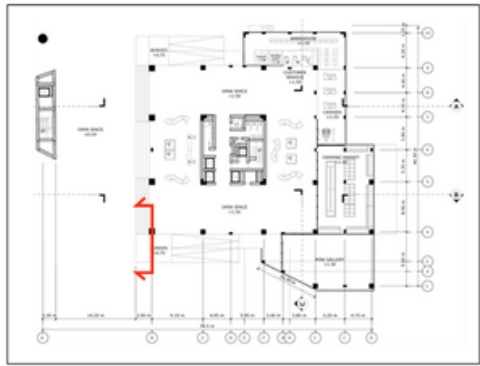


The floor plan above can be called special and unique because it can give a different attempt to visitors when they are doing planting workshop activities in which they can feel as if they are planting rice in the middle of field.

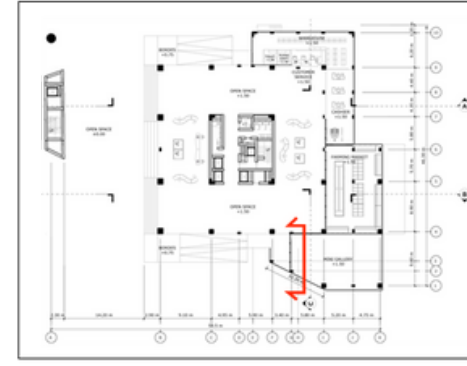
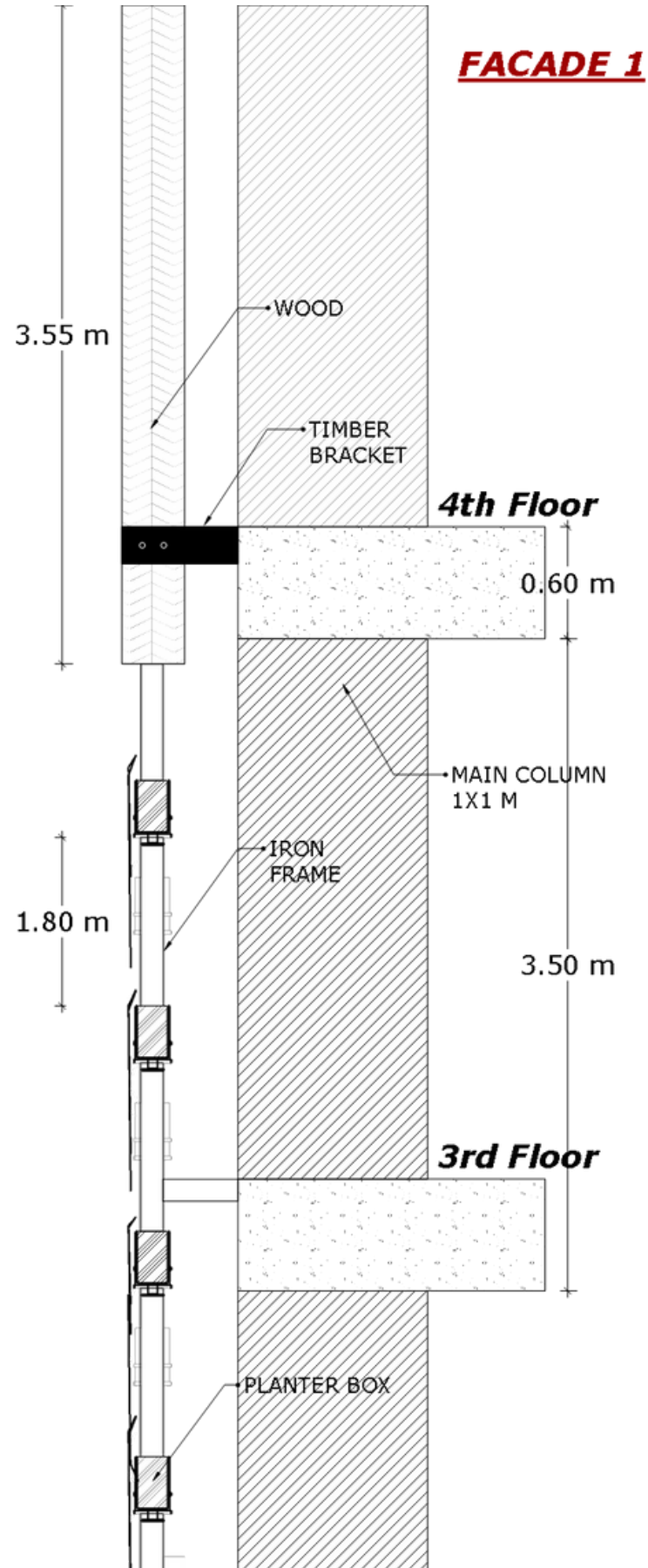
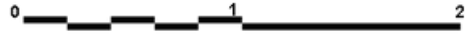
It can be done because the planned workshop area is wide enough, so "rice plant growing" is made as the main function in a large workshop so the visitors can experience different things while following the workshop.

# Building Structure

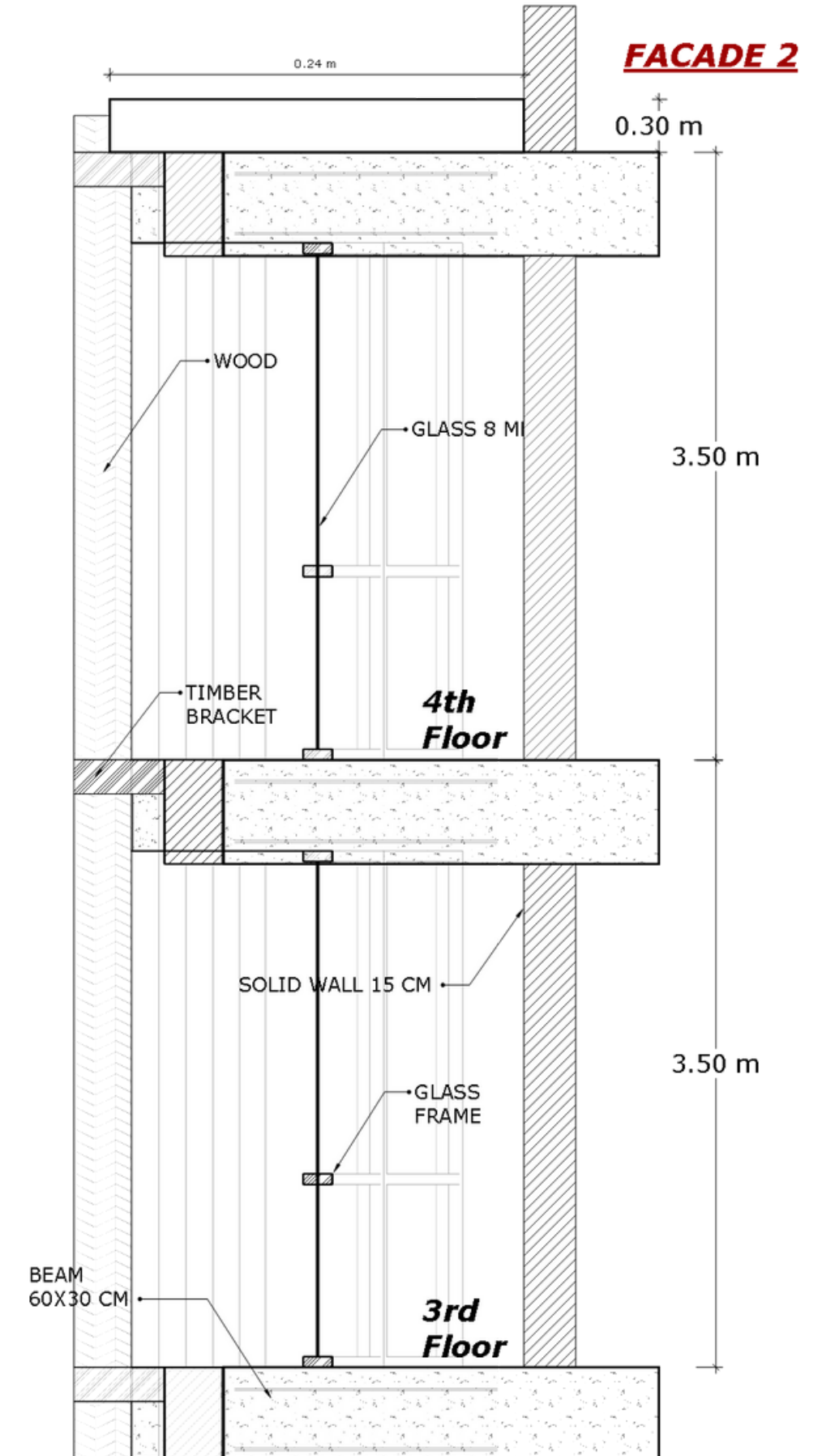
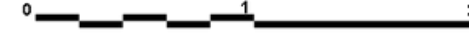




**FACADE 1 DETAIL**

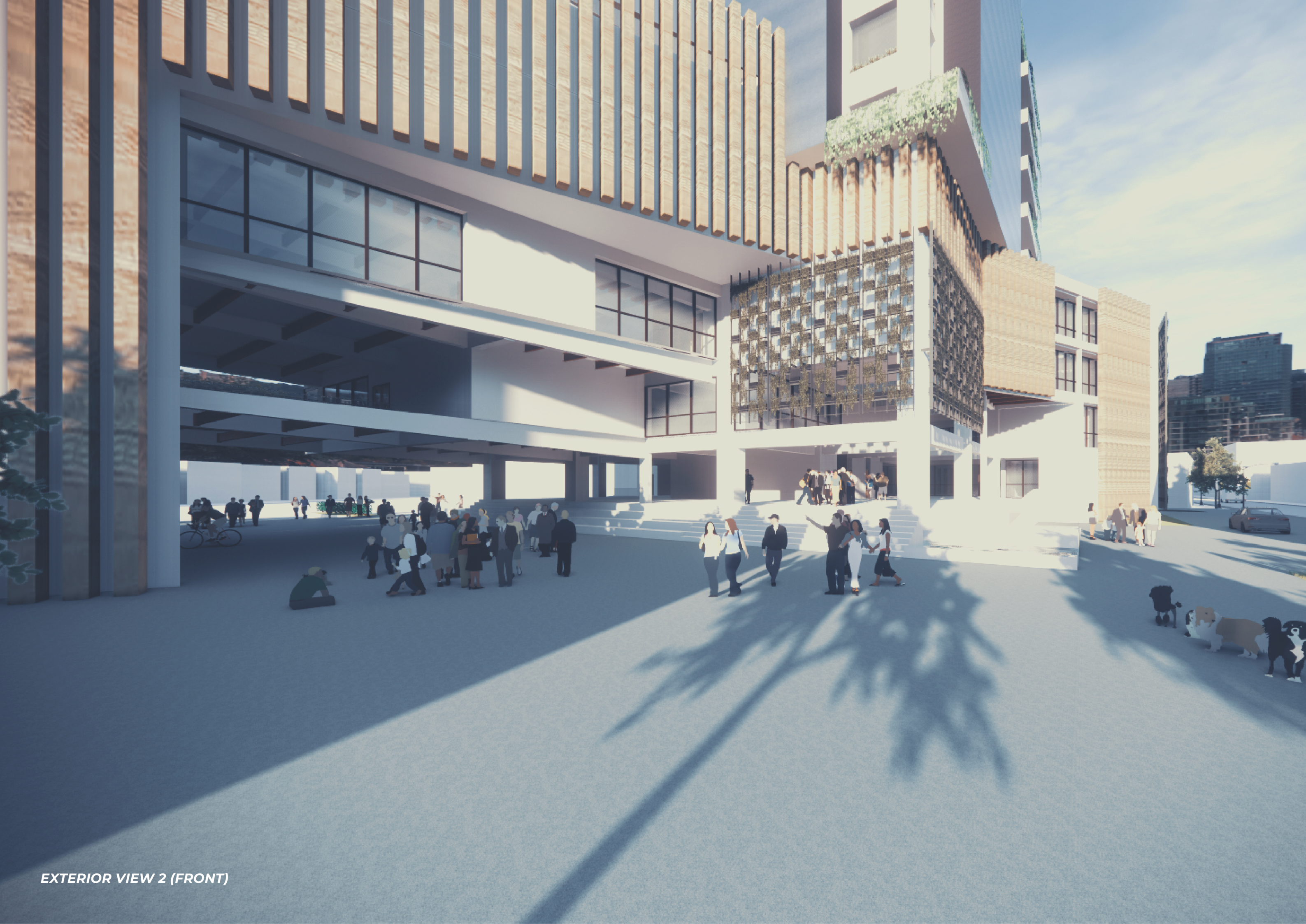


**FACADE 2 DETAIL**

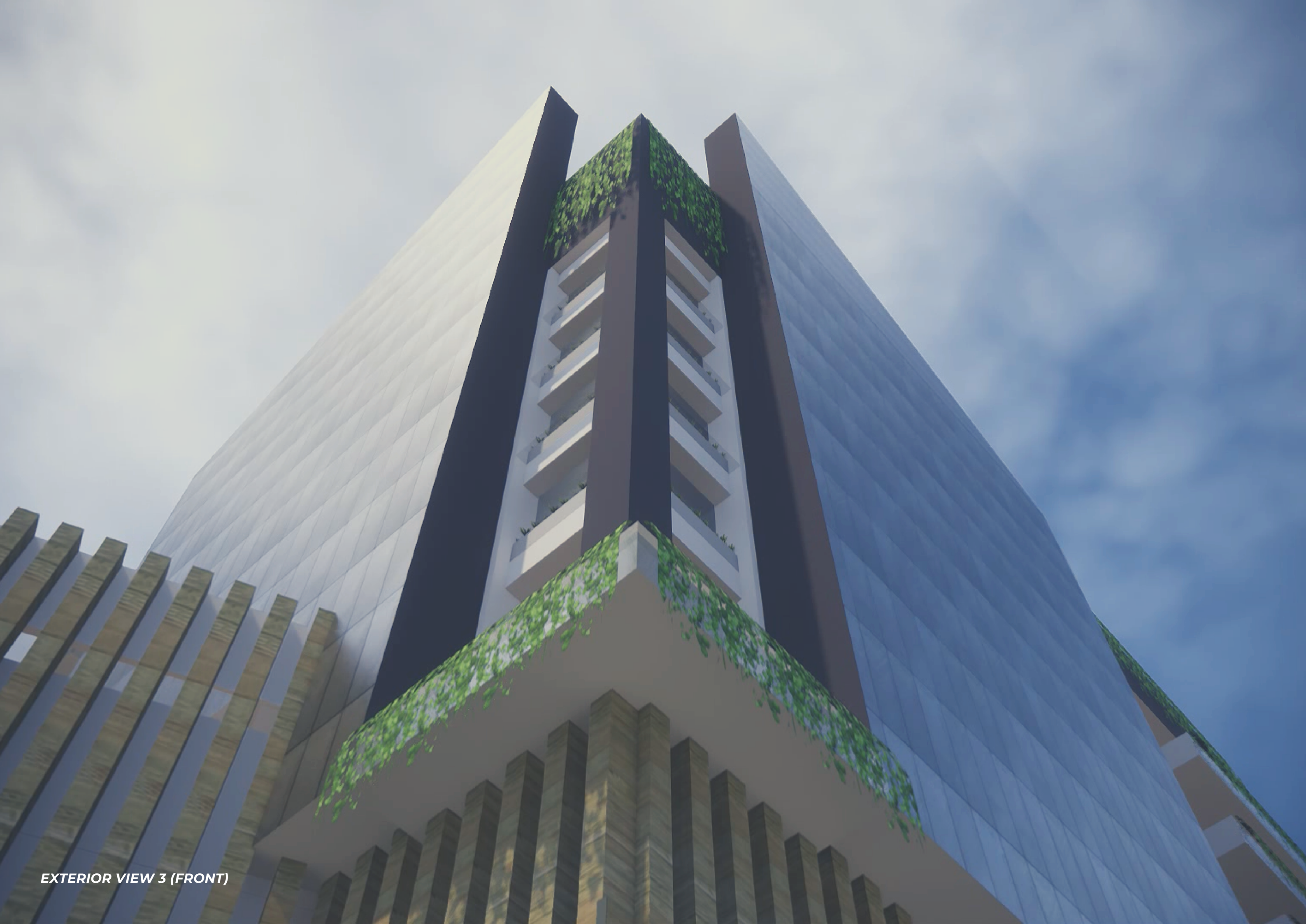




EXTERIOR VIEW 1 (FRONT)



EXTERIOR VIEW 2 (FRONT)



*EXTERIOR VIEW 3 (FRONT)*



EXTERIOR VIEW (BACK)



*RENTED APARTMENT (STAYCATION)*



*MINI WORKSHOP AREA*



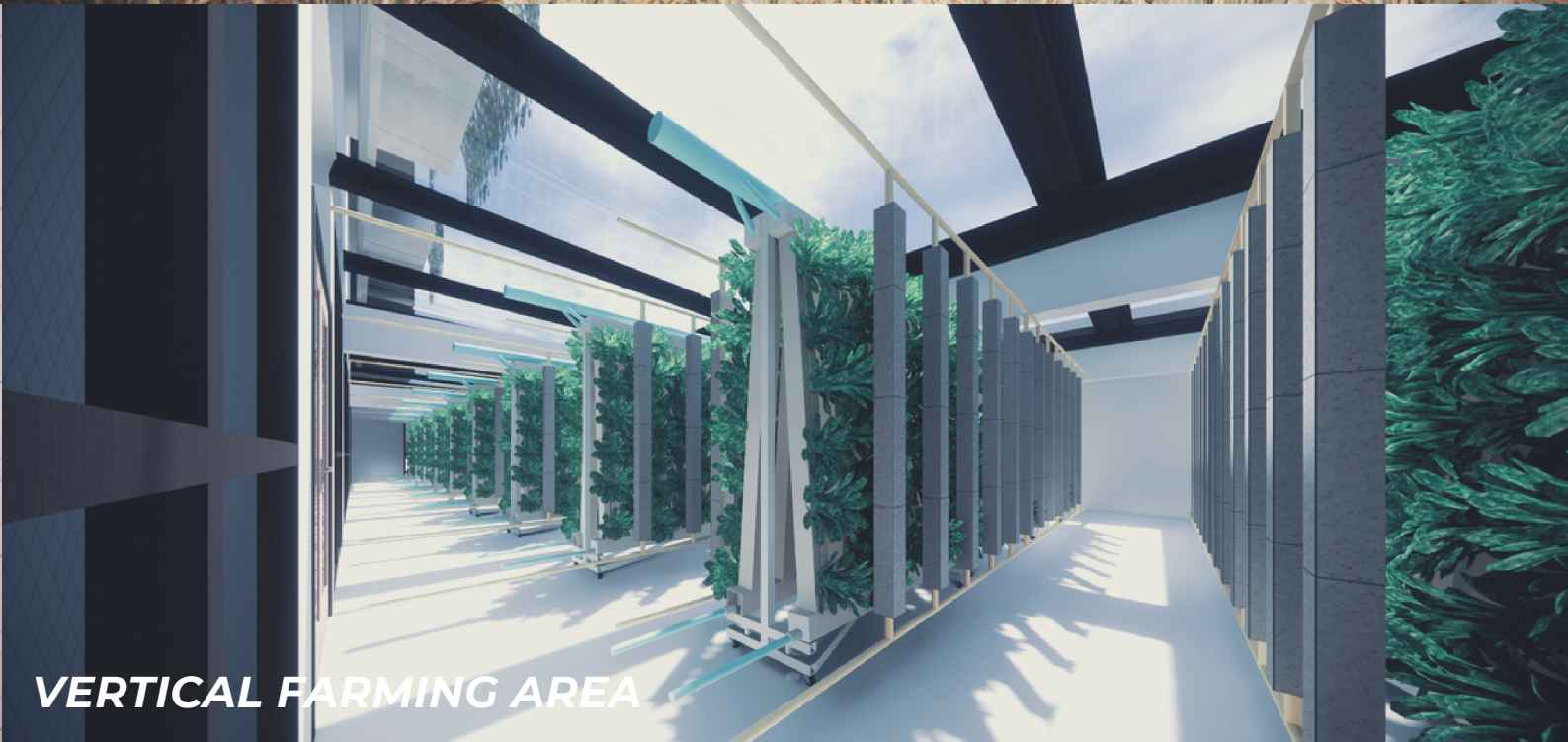
*LIBRARY*



*LARGE WORKSHOP AREA*



*SEMINAR AREA*



*VERTICAL FARMING AREA*



AERIAL VIEW