

# 竹 PHOENIX WITH ZHU

## PROJECT INTRODUCTION

The Aim of this project is to design a TRANSIT HUB which cater to various users that come to Paser Seni. Another issue that is tackled in this project is the circulation of vehicles and pedestrians, where these two are separated to reduce traffic as well as increase safety of the users. The transit hub is designed to serve 50 users. The aim of this hub is to also provide spaces for quick meetings as well as eateries.

## KEY PLAN

NTS



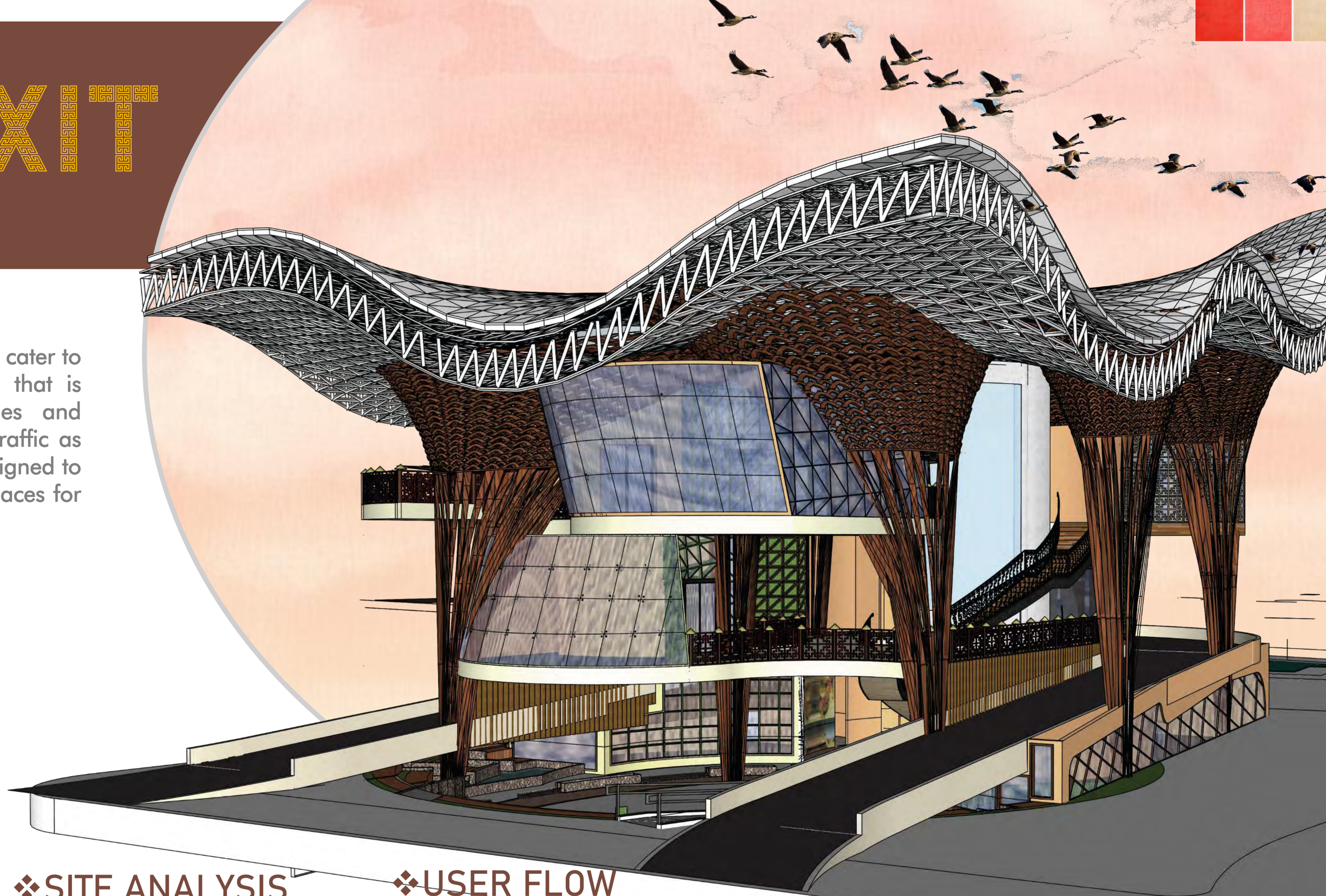
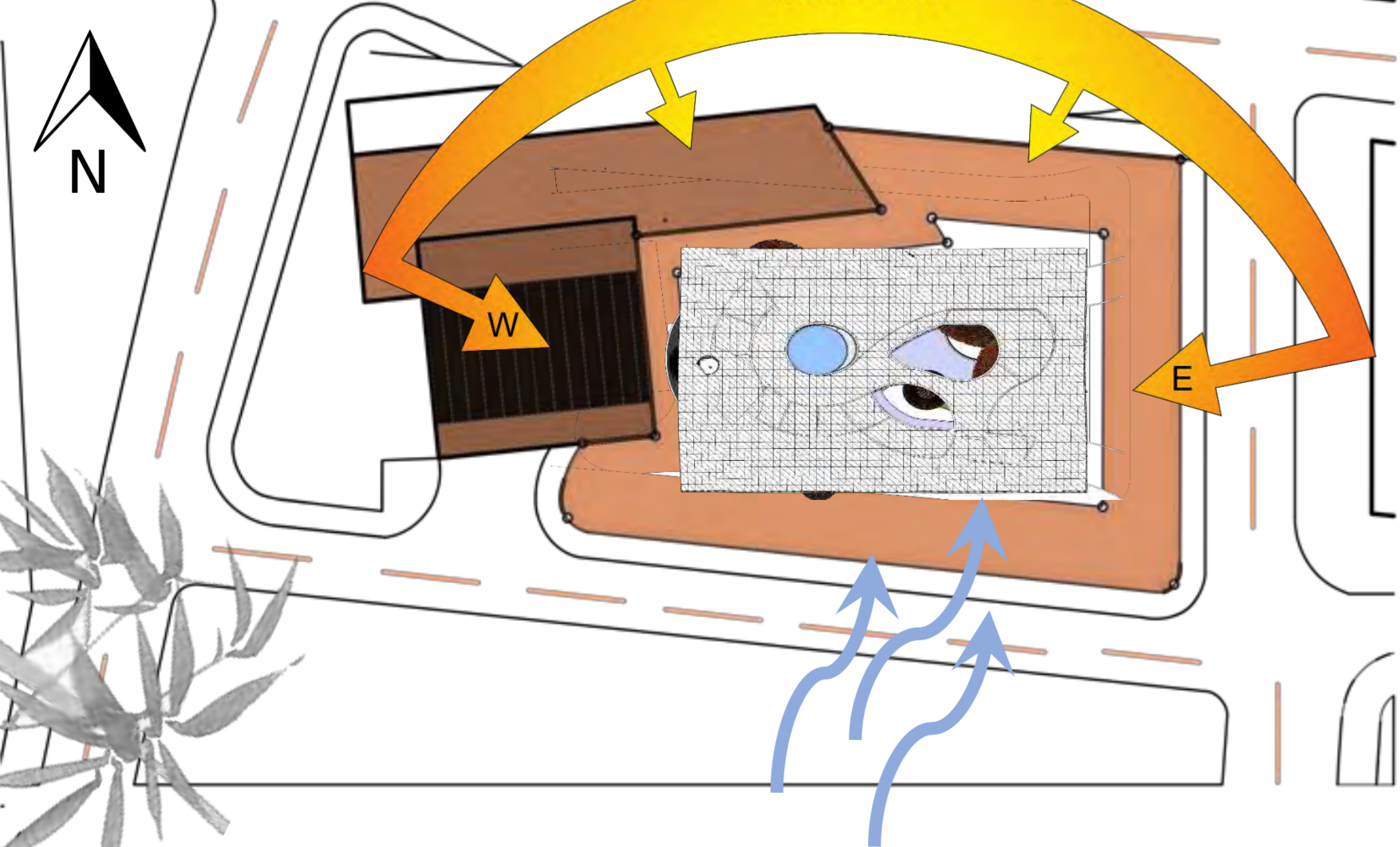
## LOCATION PLAN

NTS



## SITE PLAN

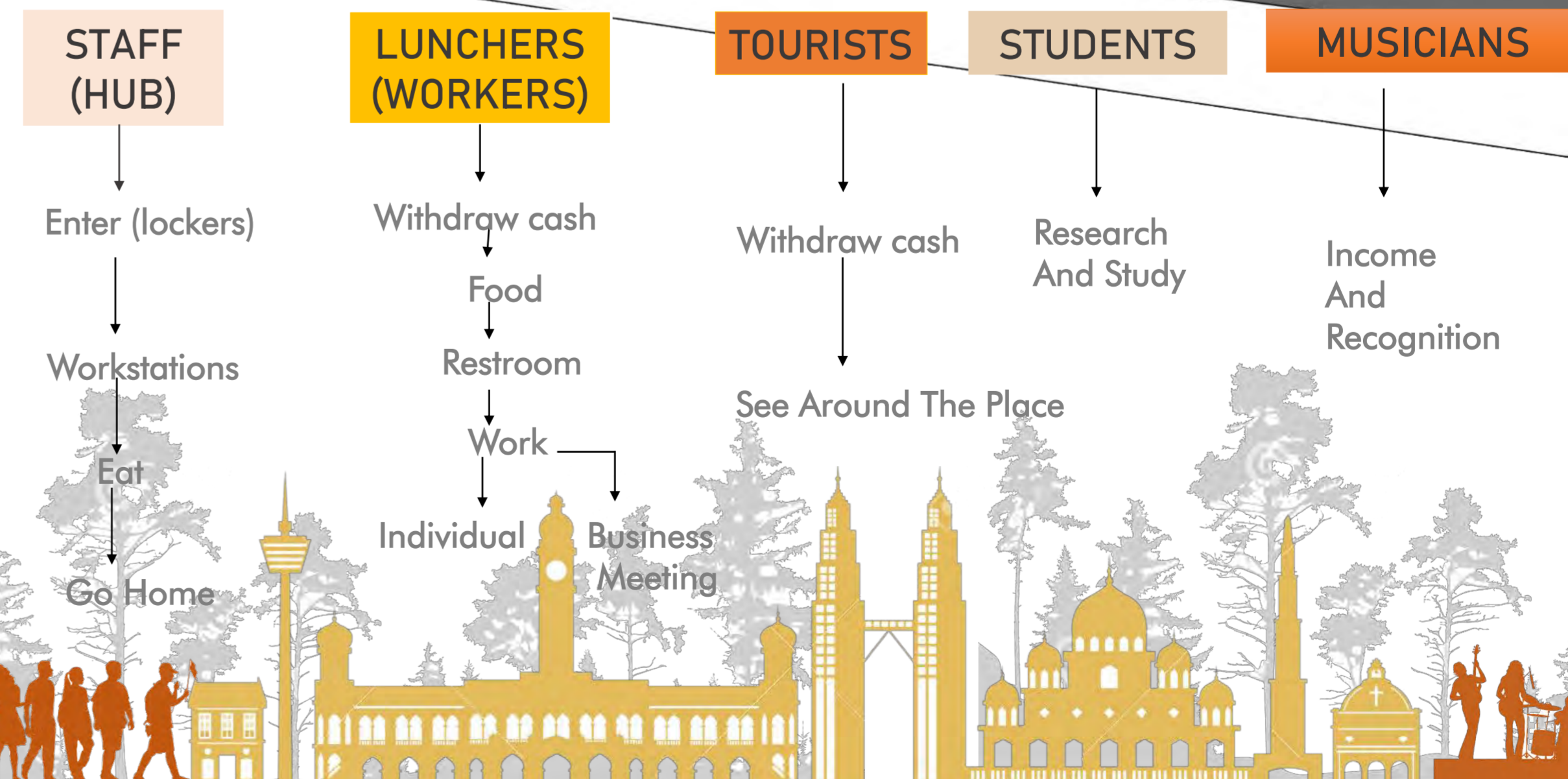
scale 1:500



## ❖ SITE ANALYSIS

- S** The site is accessible due to various transport available for users.
- W** Narrow one way road prove to be congested especially during work hours.
- O** Booming Business Opportunities
- T** Roads may be dangerous And cause accidents.

## ❖ USER FLOW



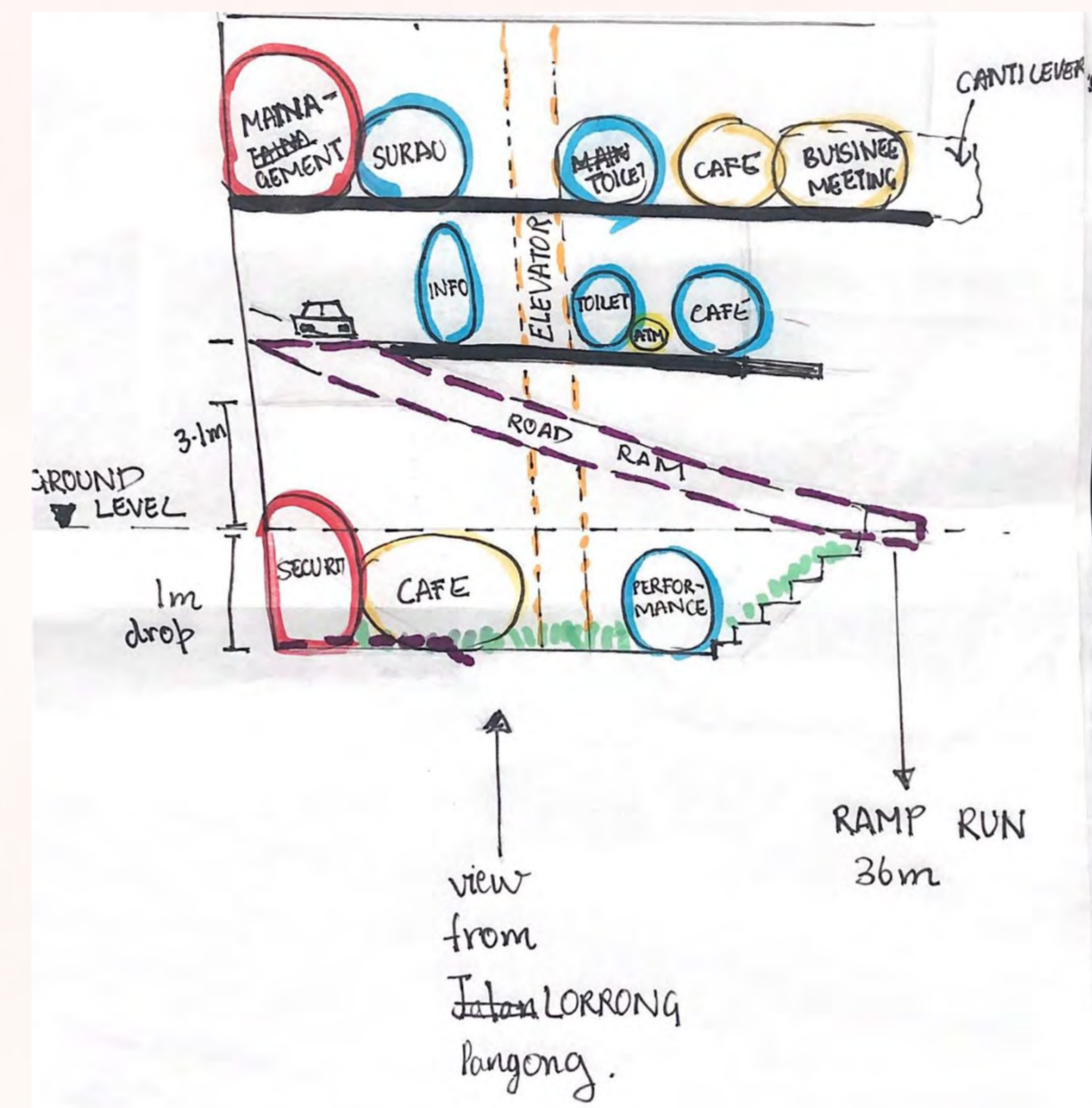
# 竹 DHOENIXIT WITH ZHU

## ❖ IDEA AND CONCEPT

Inspiration for this hub is drawn from the phoenix and utilizes bamboo to emphasize on the Chinese Culture .

The concept celebrates CIRCULATION, where the paths utilized for pedestrians and vehicles are separated creating a safe environment and also reducing congestion during peak hours. These are arranged just like the wings of a phoenix, Whereas the exterior has large column that support the roof

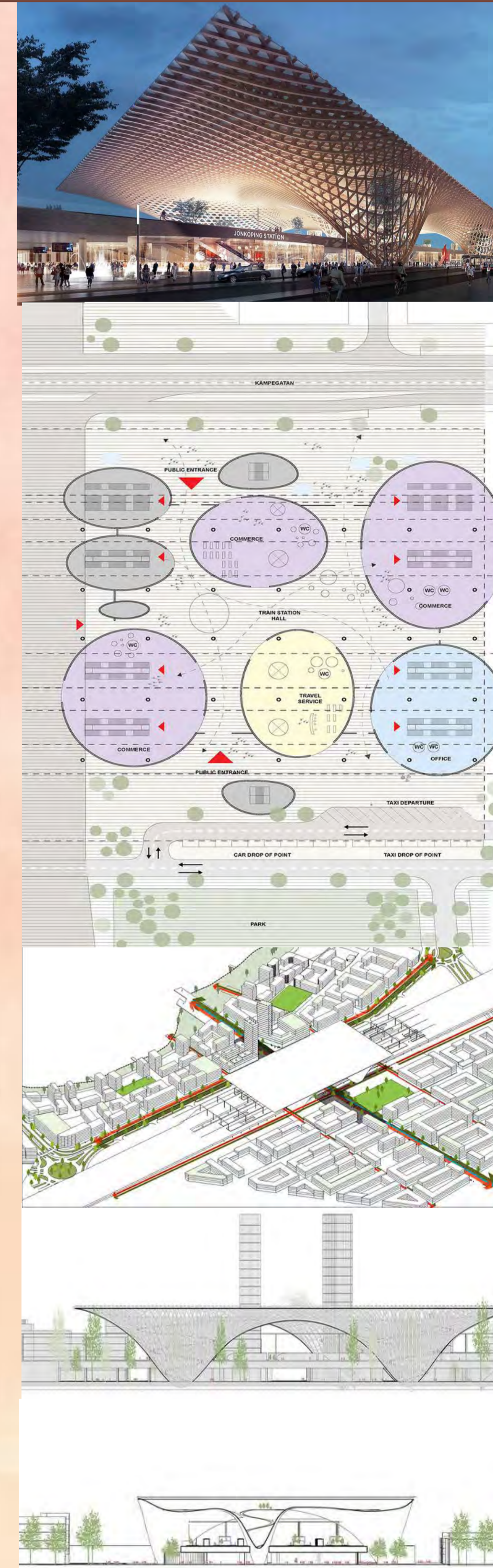
## ❖ VERTICAL BUBBLE DIAGRAM



- Public
- Private
- Semi-Private

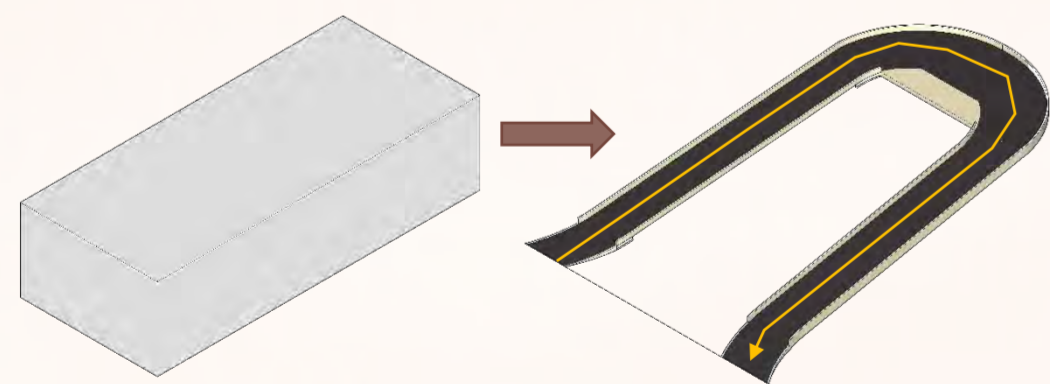
## ❖ CASE STUDY

The philosophy behind the design is based on the CONNECTION BETWEEN THE CITY OF JÖNKÖPING AND SURROUNDING NATURE demonstrated through the use of a light and playful wooden canopy structure, partly transparent and open towards the city on one side and Munksjön lake on the other. The matchstick structure pays homage to the city's past as Tändsticksstaden, famous matchstick capital of Sweden

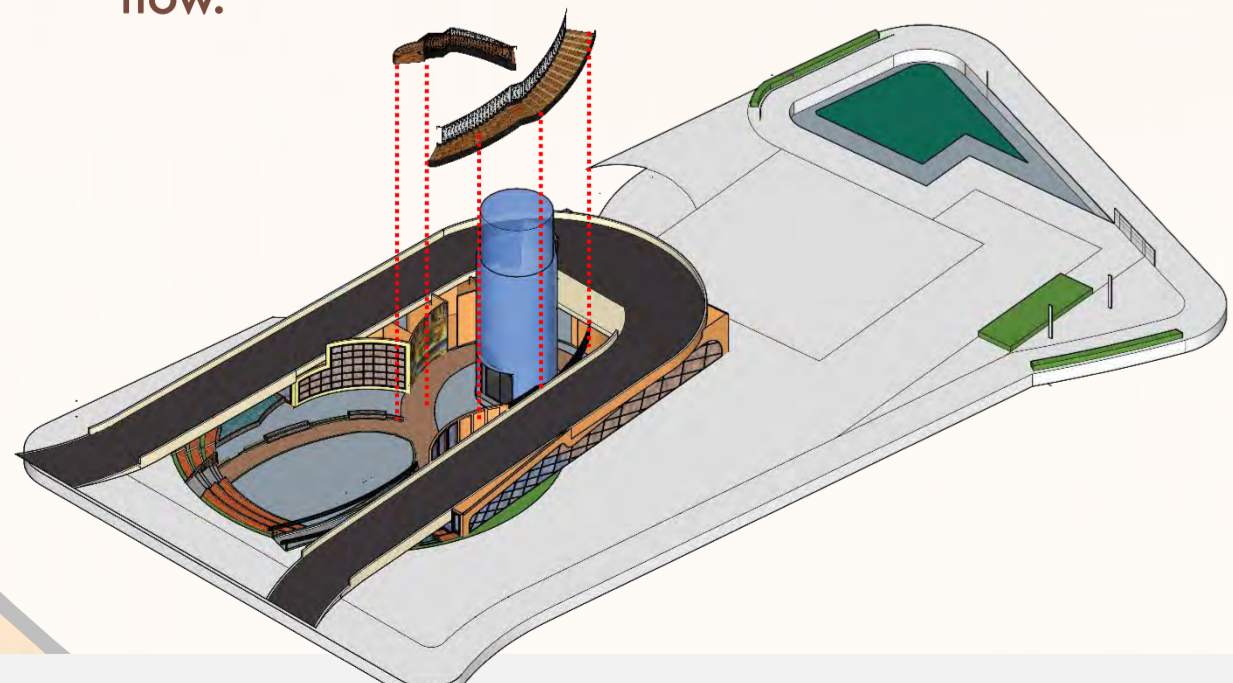


## ❖ DESIGN DEVELOPMENT

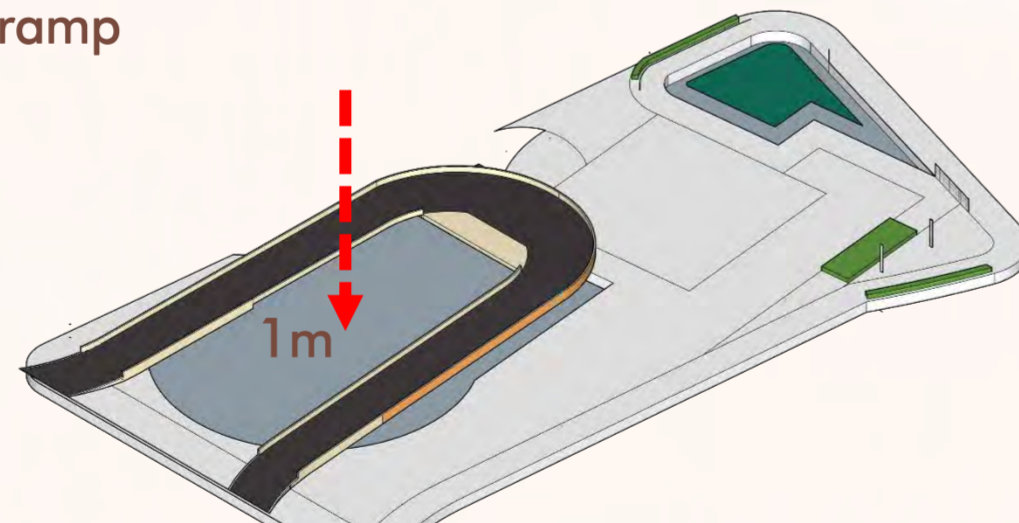
1. In order to cater to the circulation of users and vehicles a semi-circular road ramp was first designed going to the first floor of the transit hub.



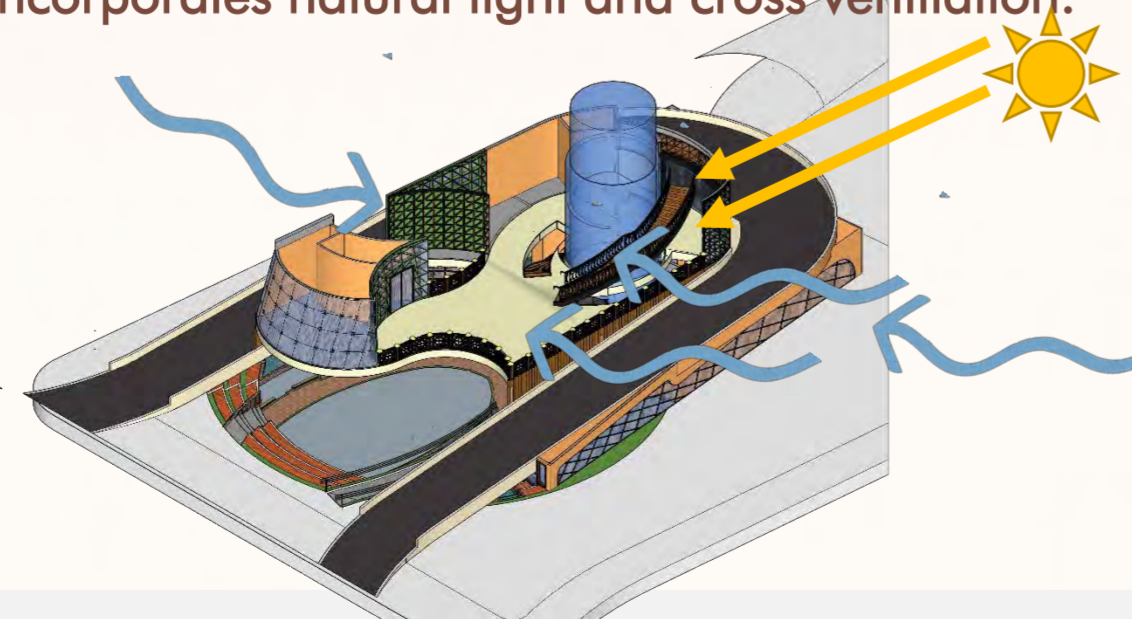
4. Two stairs lead to the first floor and are placed in a crisscross manner to maximize user flow.



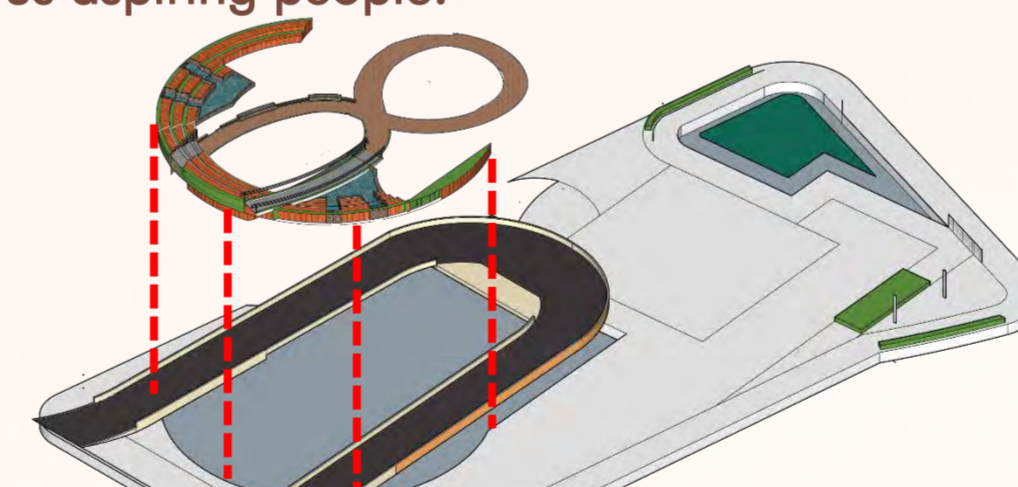
2. The ground floor was then sunken by 1m, so as to avoid height restriction of users due to the road ramp



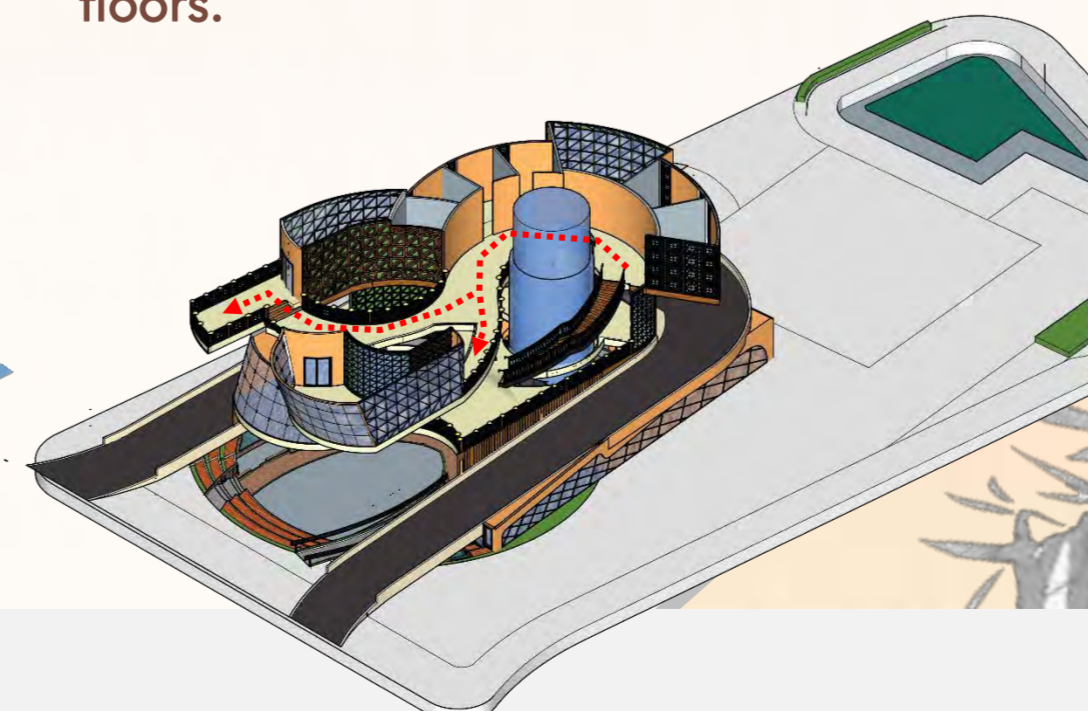
5. The second floor consists of large open space sitting area facing towards the north which has views of the surrounding as well as incorporates natural light and cross-ventilation.



3. A garden amphitheater was then designed , to attract users to view performances by various aspiring people.



6. The third floor consists of large open spaces which provide views to the lower areas , hence providing a type of connection between the floors.



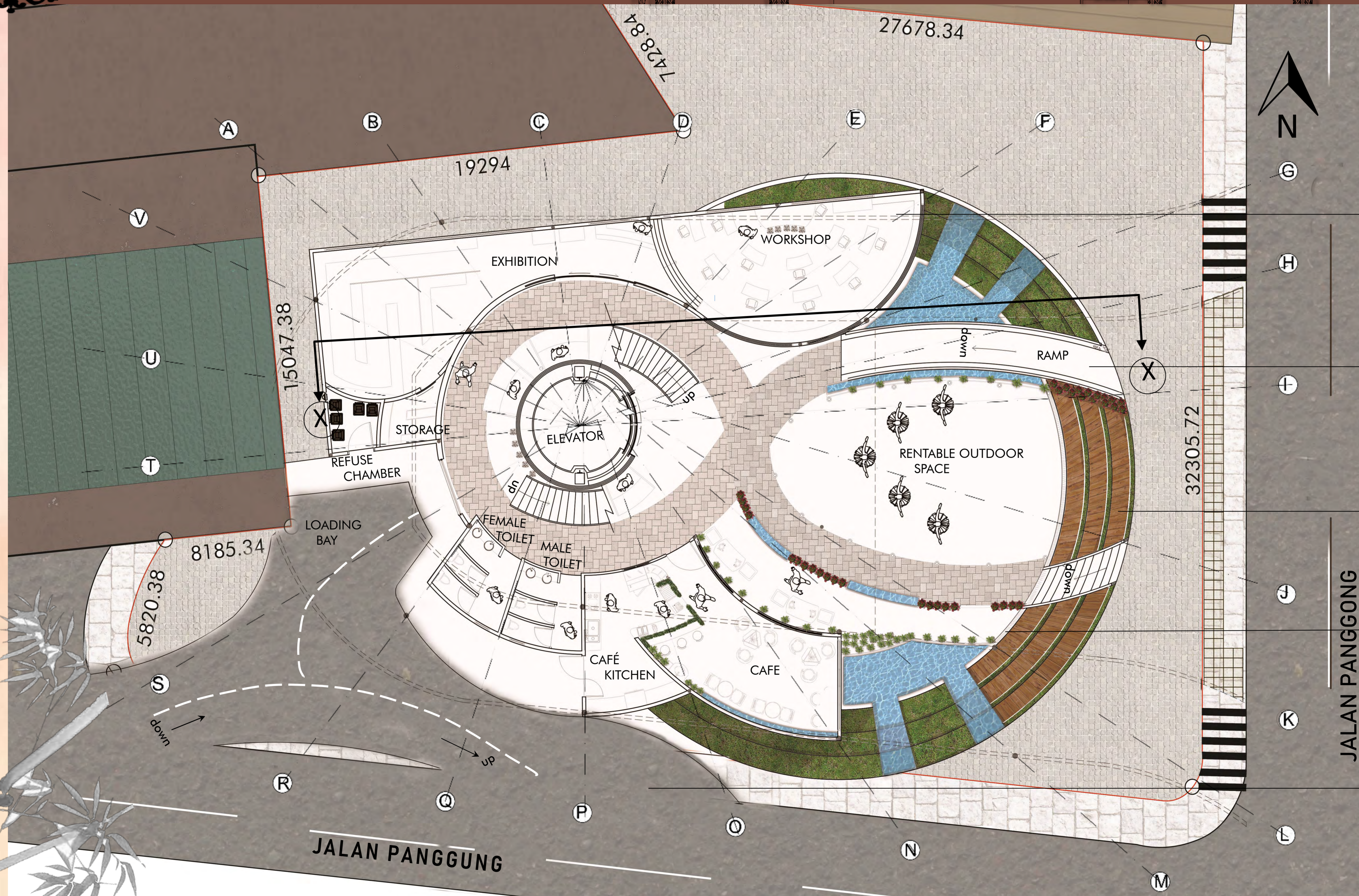
OPEN SPACES between each space, makes it easy for users to access both public and private spaces.

The CURVY INTERIORS of the building shows the continuous movement of both people and transport . This gives the feeling that the users are actually not accessing a normal building but rather a transit hub.

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## ❖ GROUND FLOOR PLAN

Scale 1:60

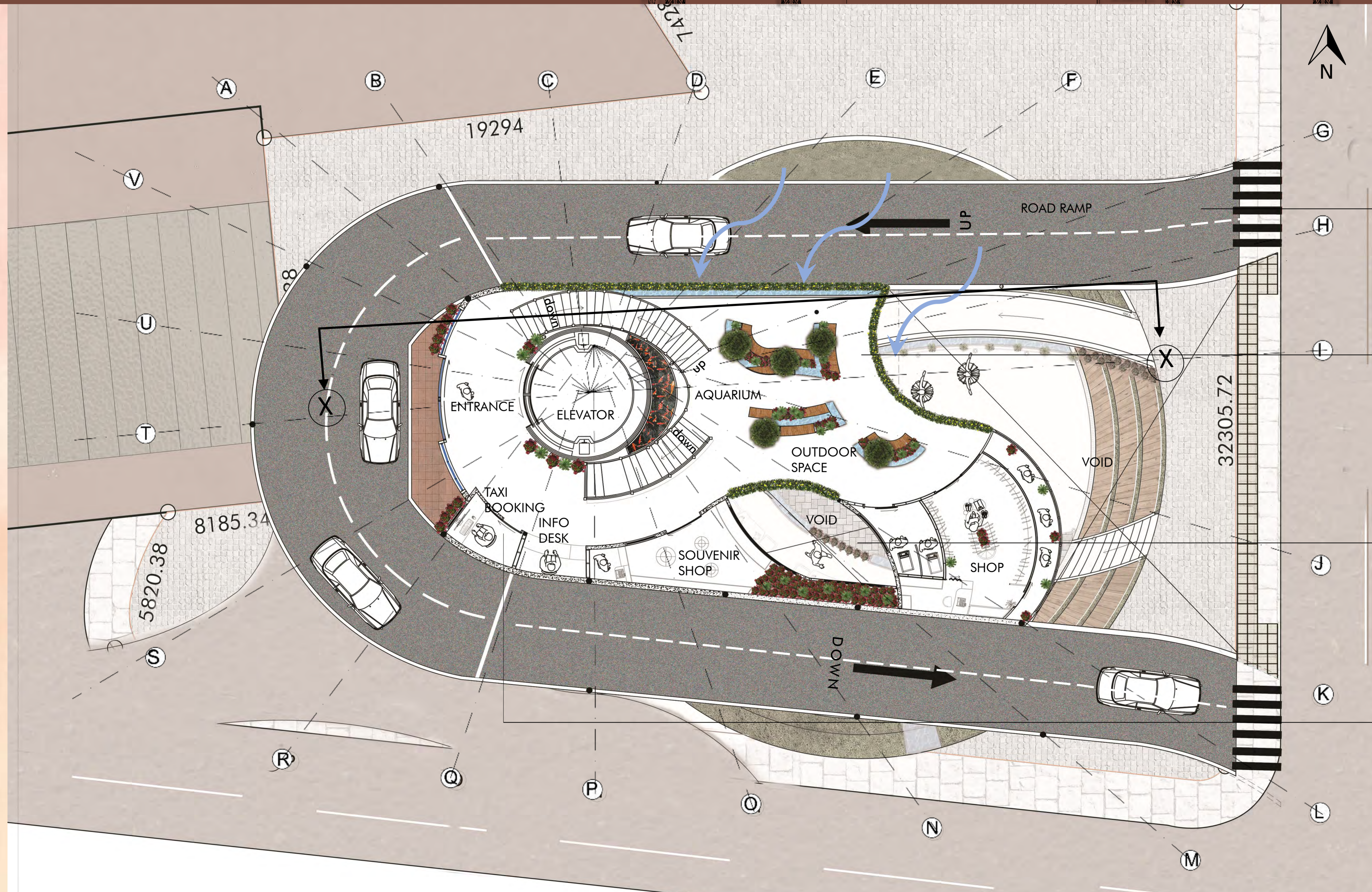
→ The WORKSHOP is attached to the exhibition center and will hold classes in correspondence to the exhibited items. It is placed towards the MRT entrance to attract oncoming users.

→ A RAMP is provided to cater to those users with special needs, else the sunken ground area would not be accessible to such users.

→ The AMPHITHEATER seating area is introduced at the entrance so as to innovatively cater to the sunken area.

→ To avoid rainwater pooling in the sunken ground, a DRAIN is provided around the amphitheater seating area.

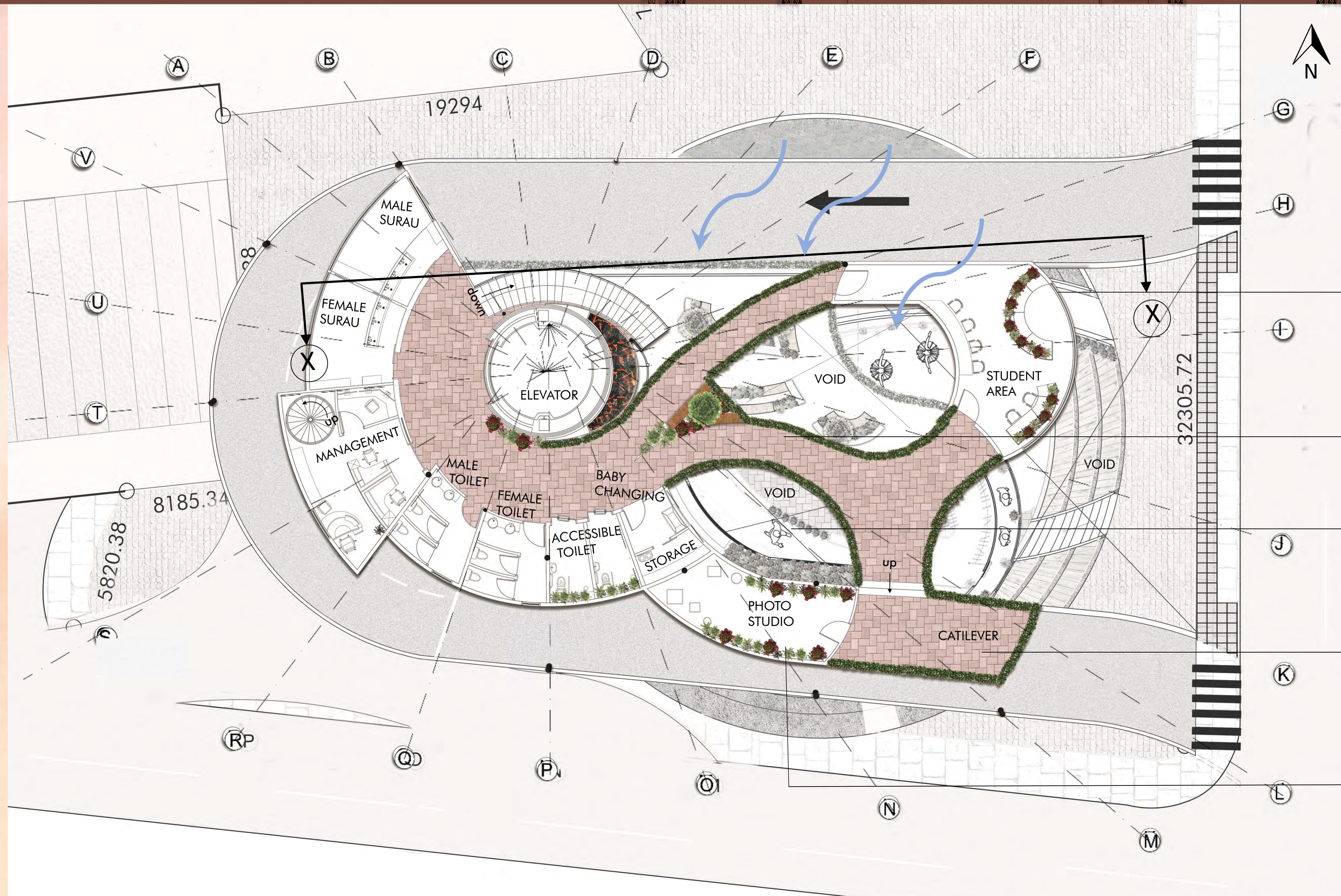
→ The LOADING/UNLOADING AREA can be accessed by the ramp which leads to the sunken area, so as to provide easy access to the exhibition and the café.



## ❖ FIRST FLOOR PLAN

Scale 1:60

- The ROAD RAMP provides access for vehicles to the hub without hindering the pedestrian circulation on the ground floor, make it more safer for users.
- Large OPEN SPACES are oriented towards the North of the building, to encompass natural winds and light into the hub. It also provides a connection with the outside as well as the ground floor spaces
- VOIDS within the hub connect each floor to the other where a user can view activities going on in the spaces below and also bring natural light into the hub.
- A space is dedicated for BOOKING TAXIS. This focuses on users who come to Paser Seni for the first time and may not know the means for booking taxis online.



## ❖ SECOND FLOOR PLAN

Scale 1:60

- The STUDENT AREA acts as a platform to rest, meet and learn about the site.
- WALKWAYS allow users to experience the building and also provide effective circulation in the building.
- VOIDS within the hub connect each floor to the other where a user can view activities going on in the spaces below and also bring natural light into the hub.
- CANTILEVER BRIDGE allows photographers to click pictures of the site (Merdeka Tower)
- PHOTO STUDIO, invites photographers as well as other users to hold photo shoots etc.

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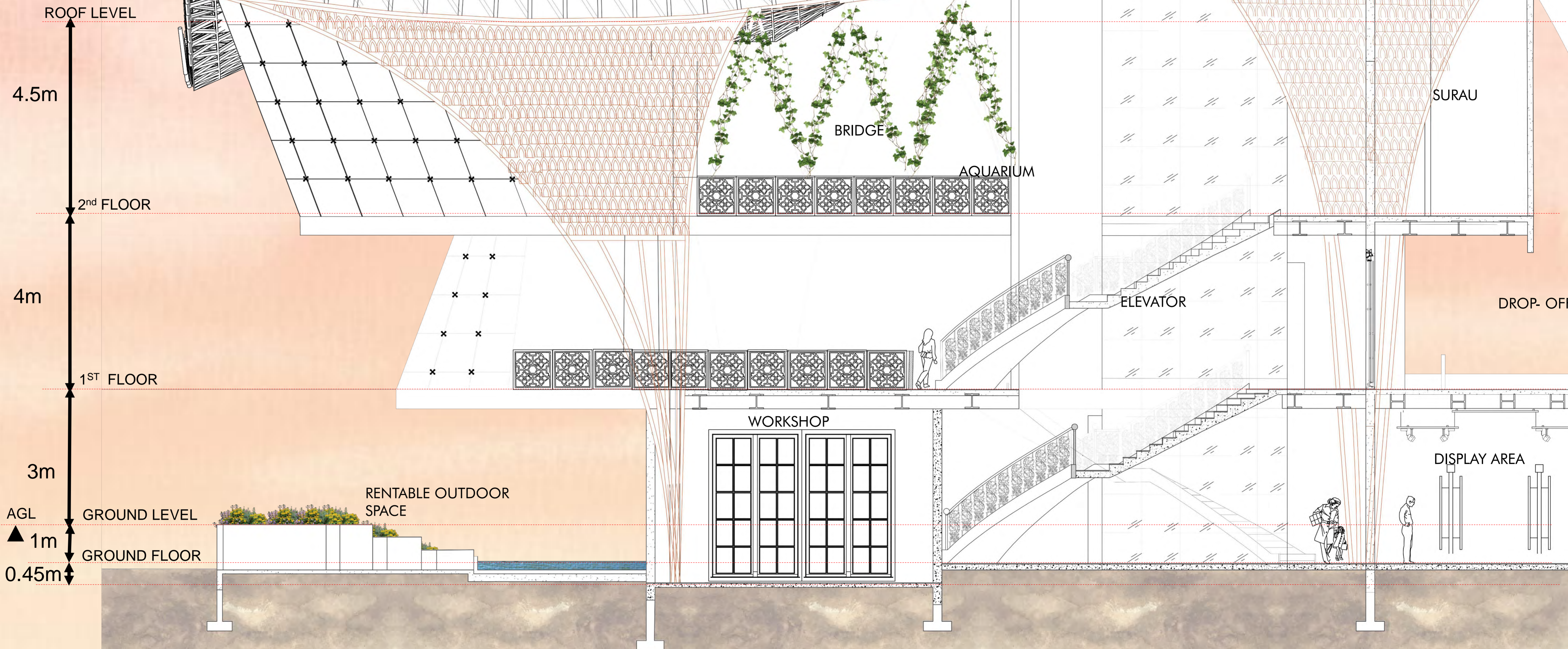
# DHOENIXIT

## WITH ZHU-

### ❖ SECTION X-X

Scale 1:50

The transit hub utilizes CURVED PARAMETRIC COLUMNS to support the roof as well as bring the essence of movement in the hub.

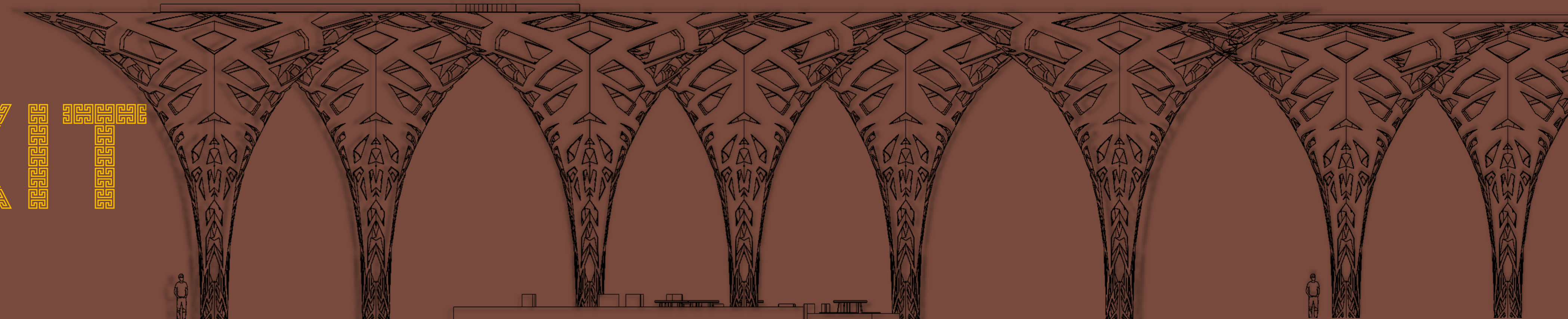


The workshop is sunken by 450mm to cater to height clearance as well as user comfort.

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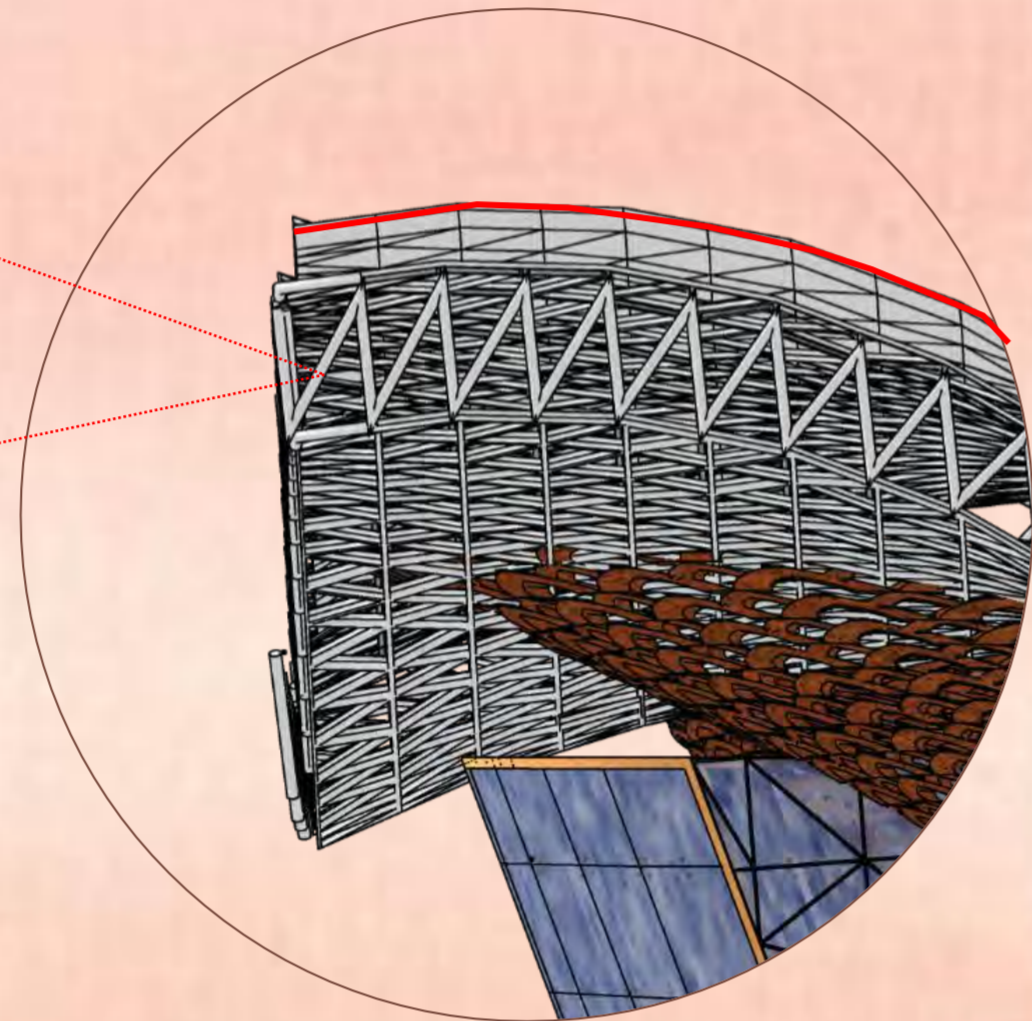


### PARAMETRIC ROOF

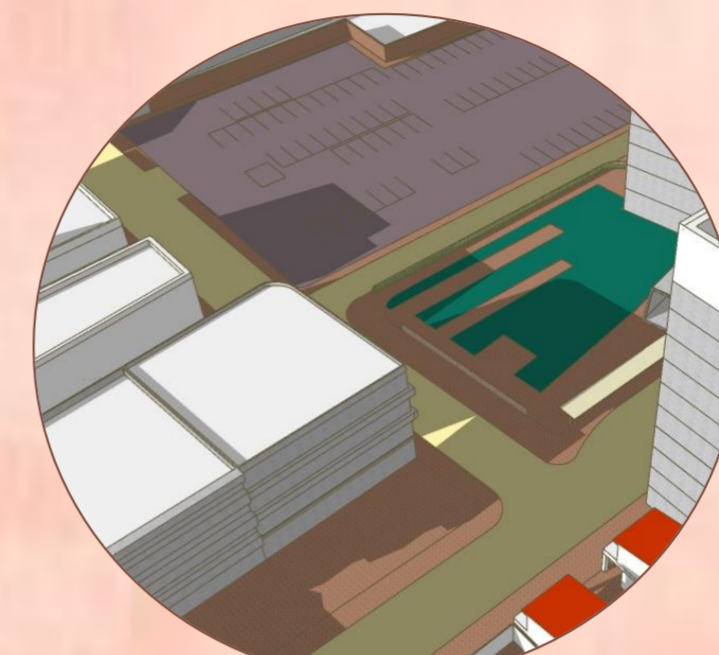


The curved roof used symbolizes the movement of people in the transit hub. It also draws inspiration from the curved wings of the phoenix, which is a symbolic representation in the Chinese culture.

### Detail Of Roof



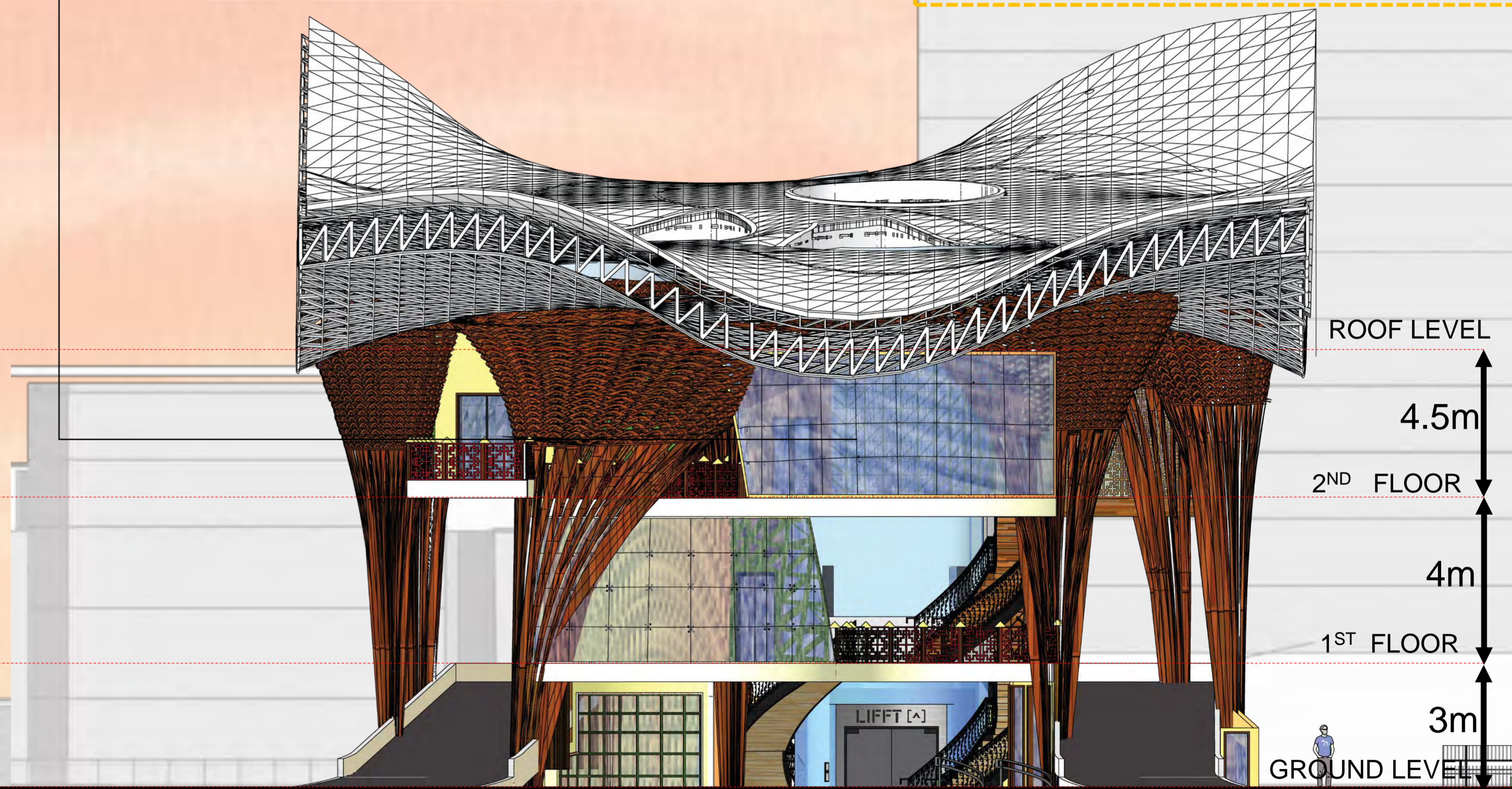
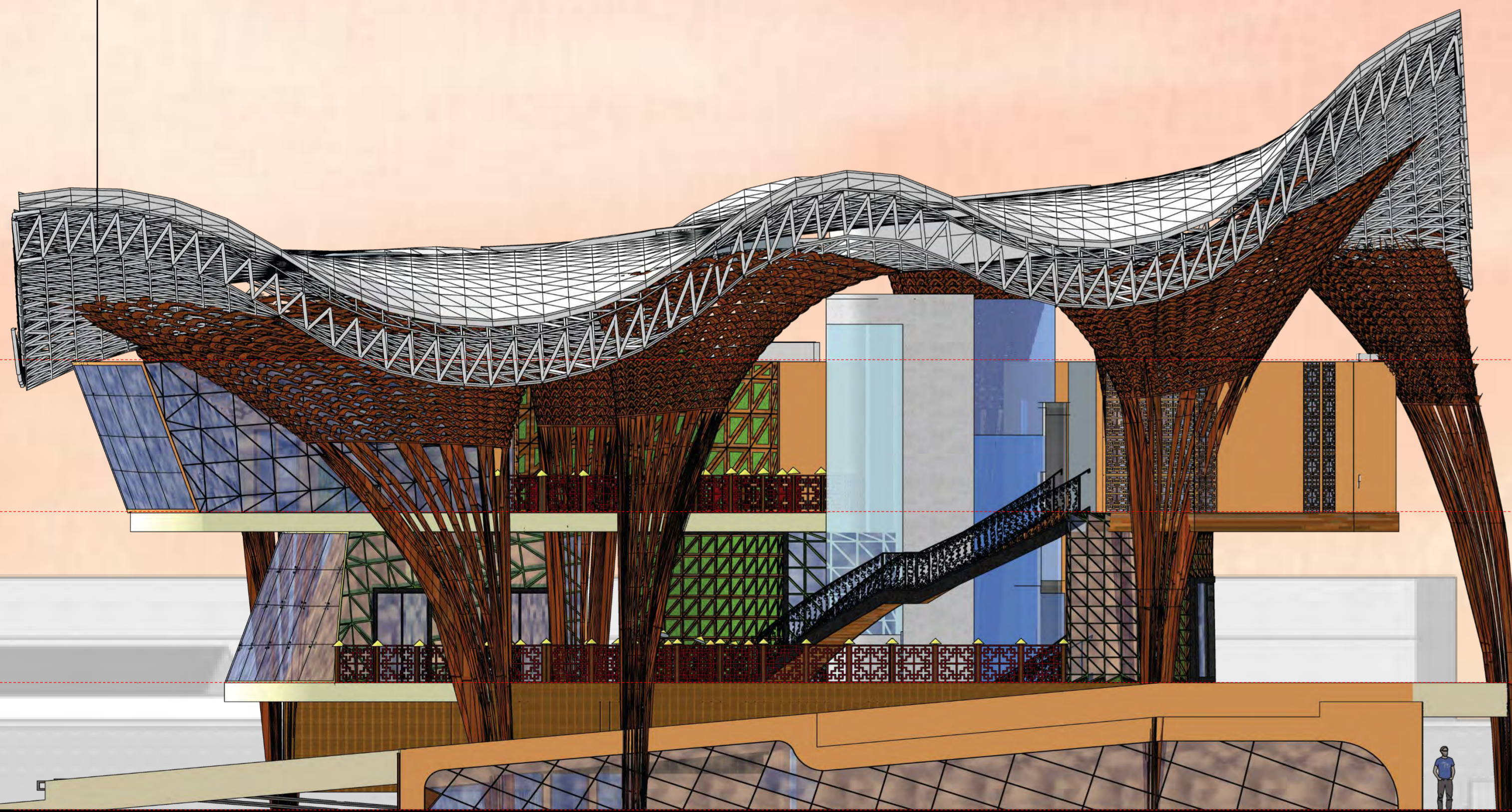
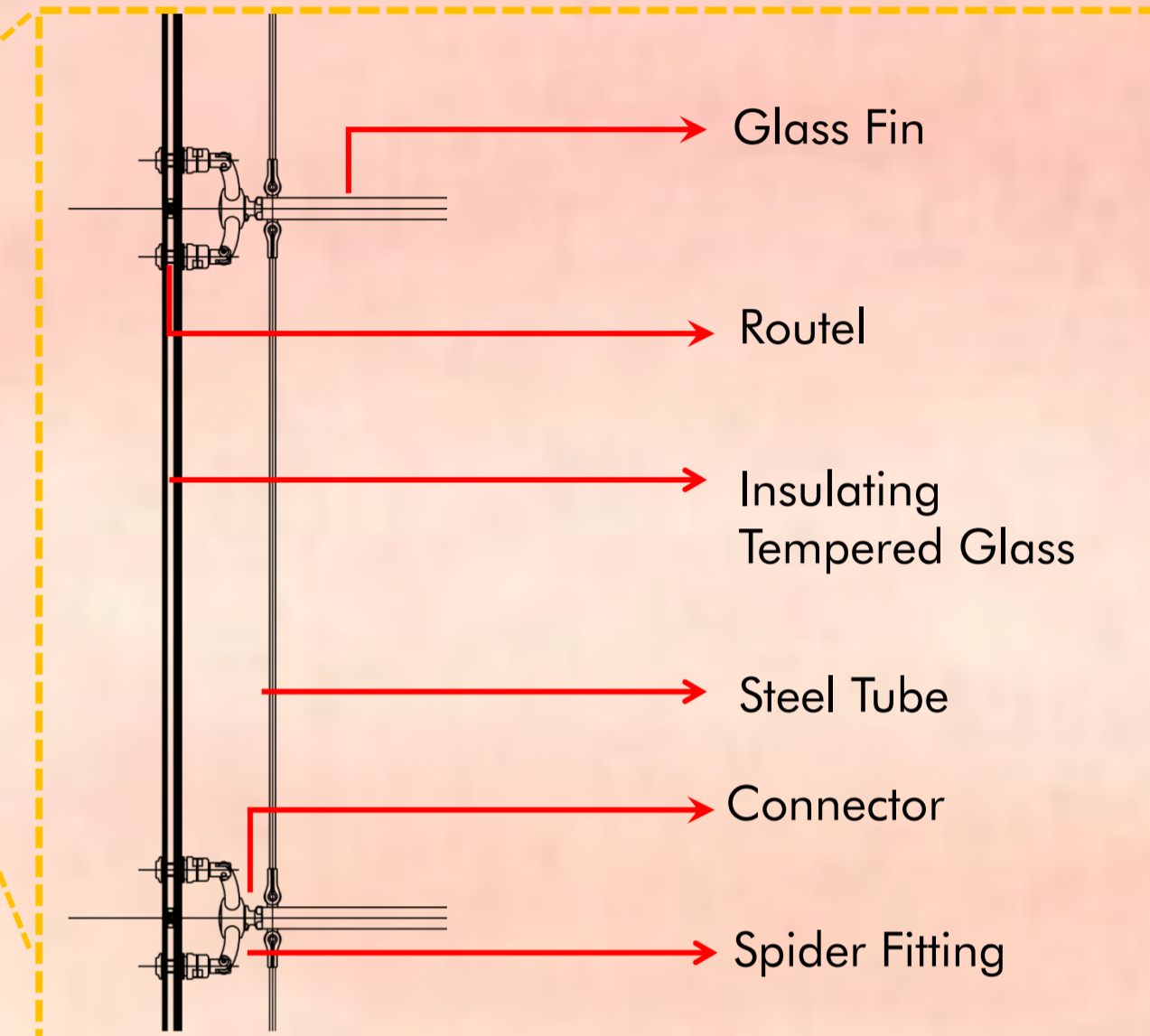
### SPIDER FITTED GLAZING



Shaded Site

Glazing is utilized to attract as well as improve views for users. It is strategically placed towards the west due to minimum admittance of sunlight which may heat the building as shade is provided from the neighboring buildings.

### Detail Of Glazing



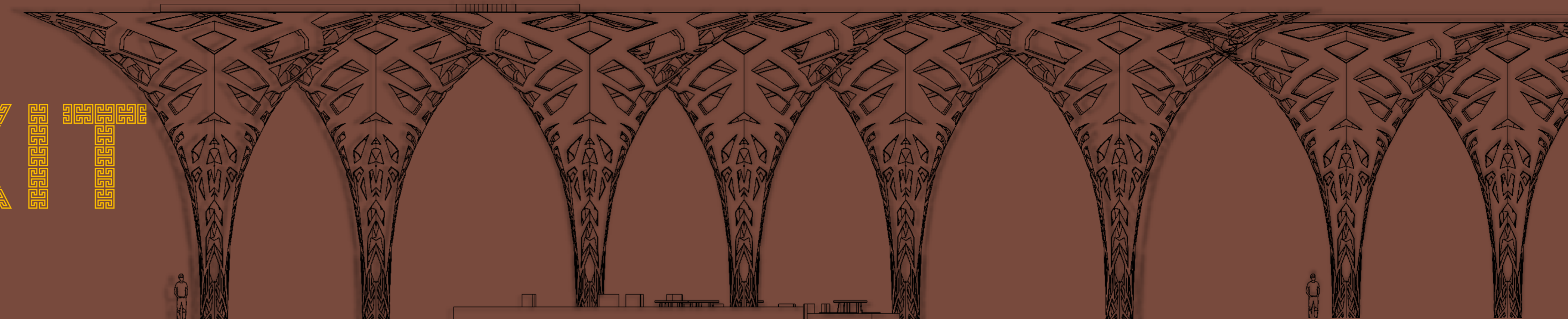
❖ NORTH ELEVATION  
Scale 1:100

❖ WEST ELEVATION  
Scale 1:100

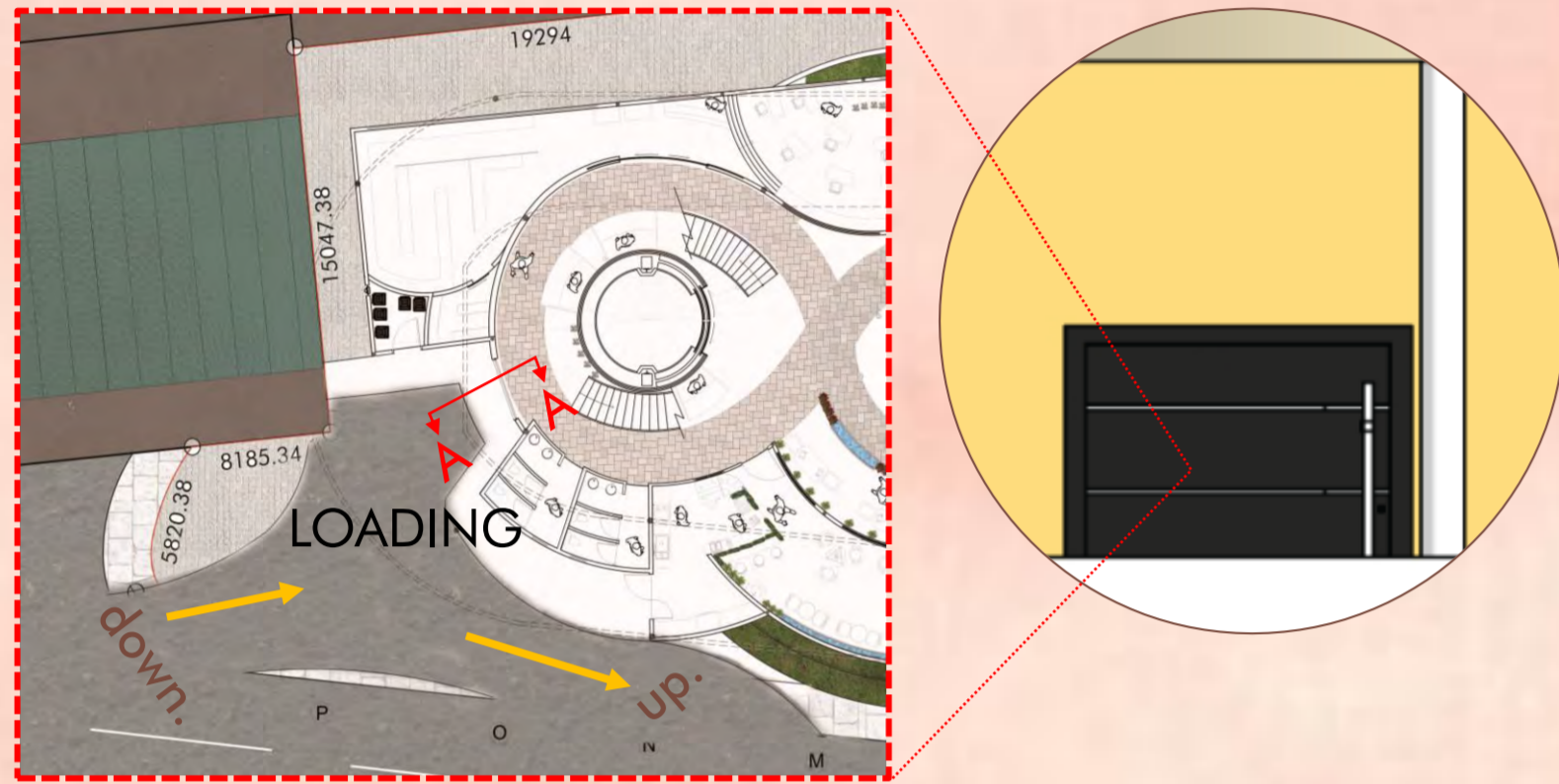
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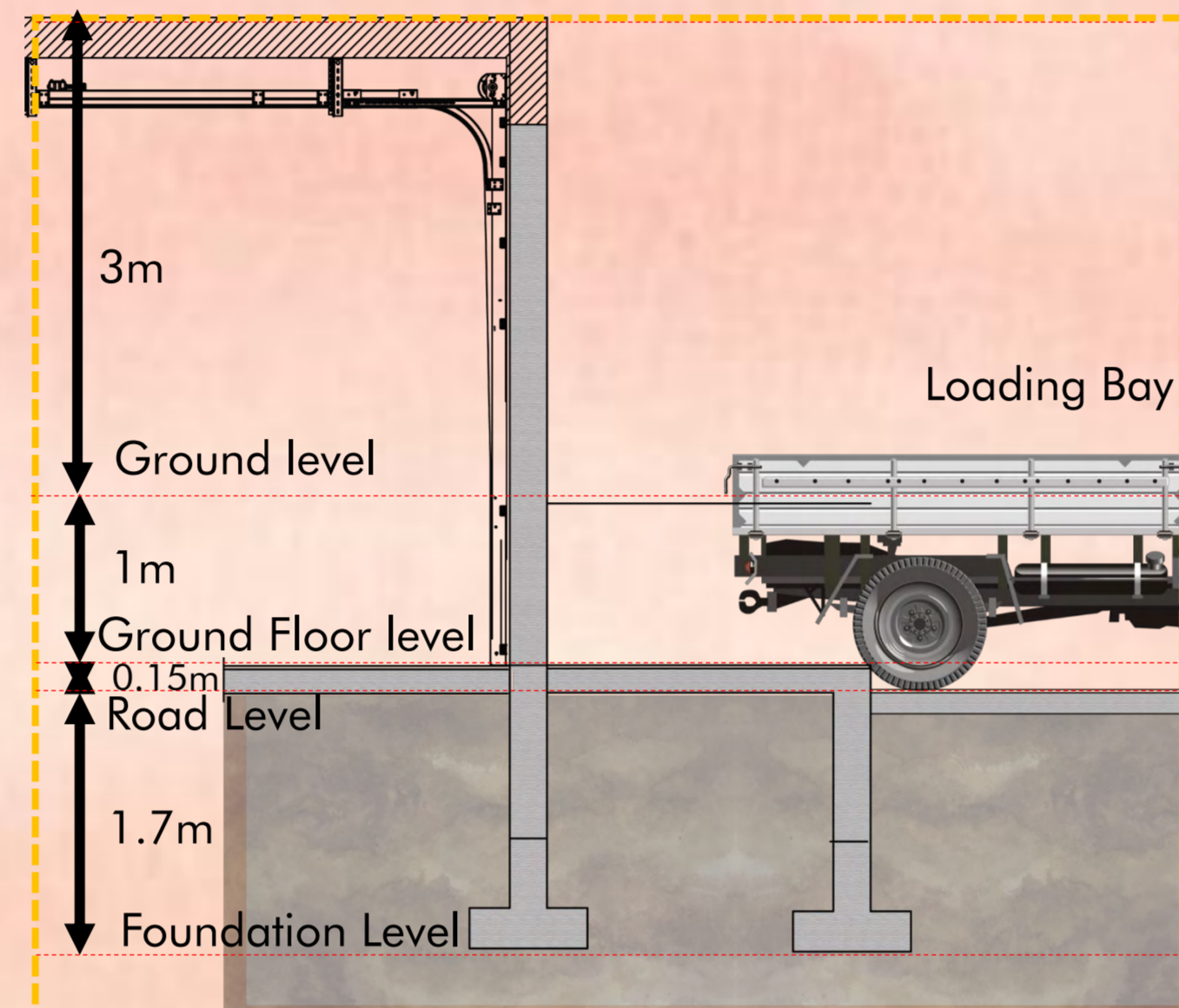


### LOADING BAY- Ground floor



Loading takes place from the back lane and can be accessed by a ramp to ease the transfer of goods to various spaces in the building.

### Section A-A (NTS)



### GREEN WALL- Types of plants



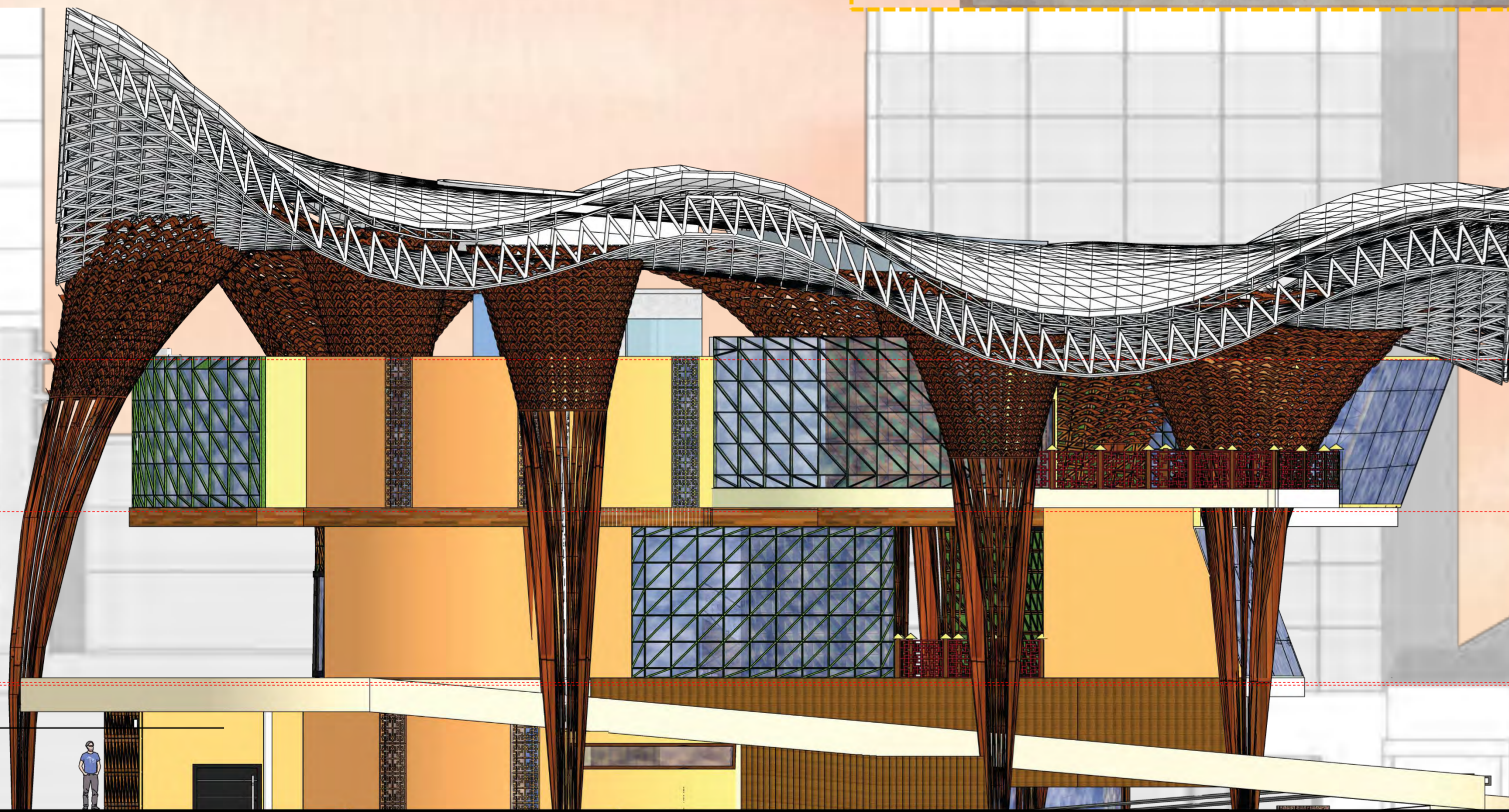
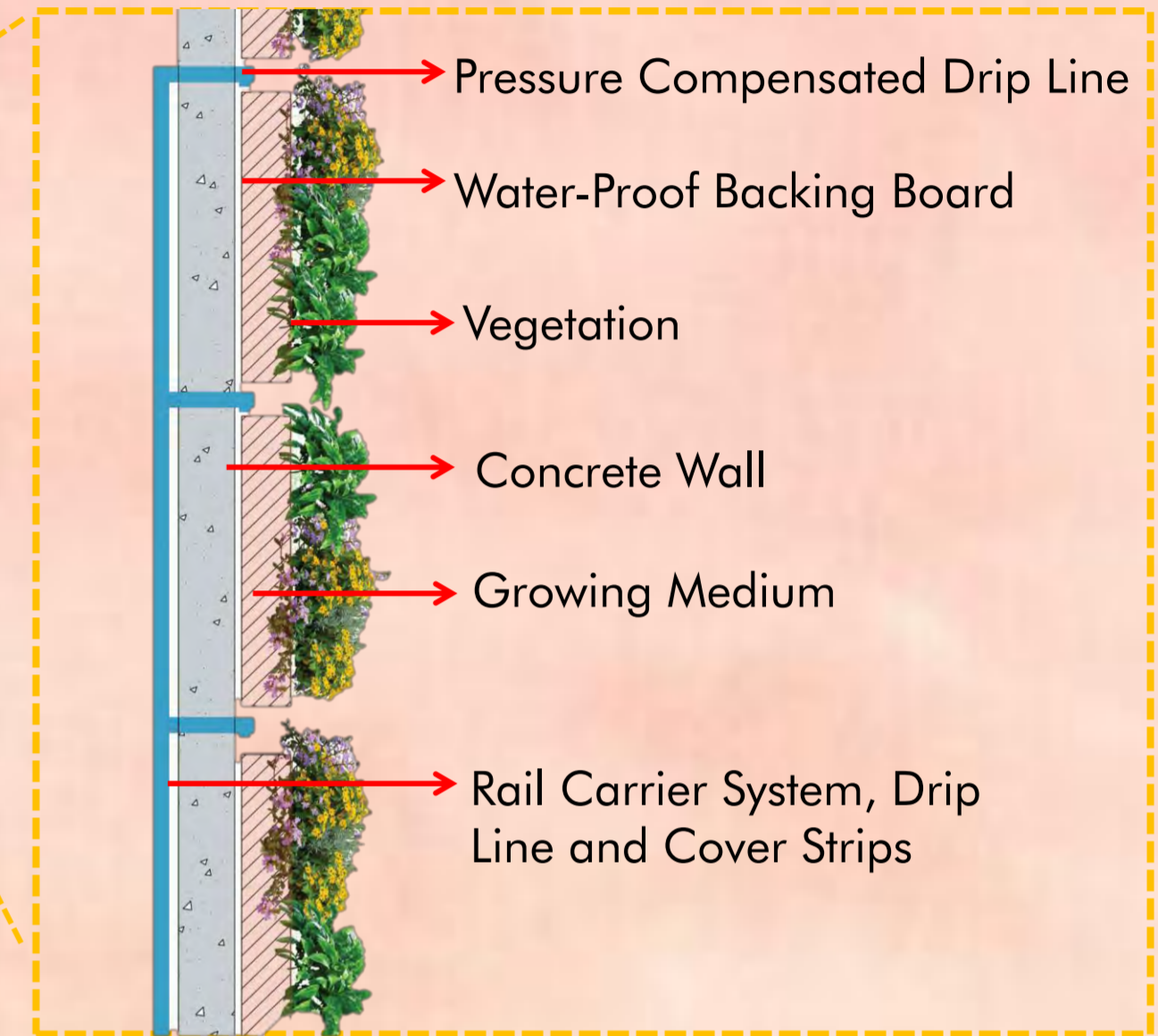
Peace Lily



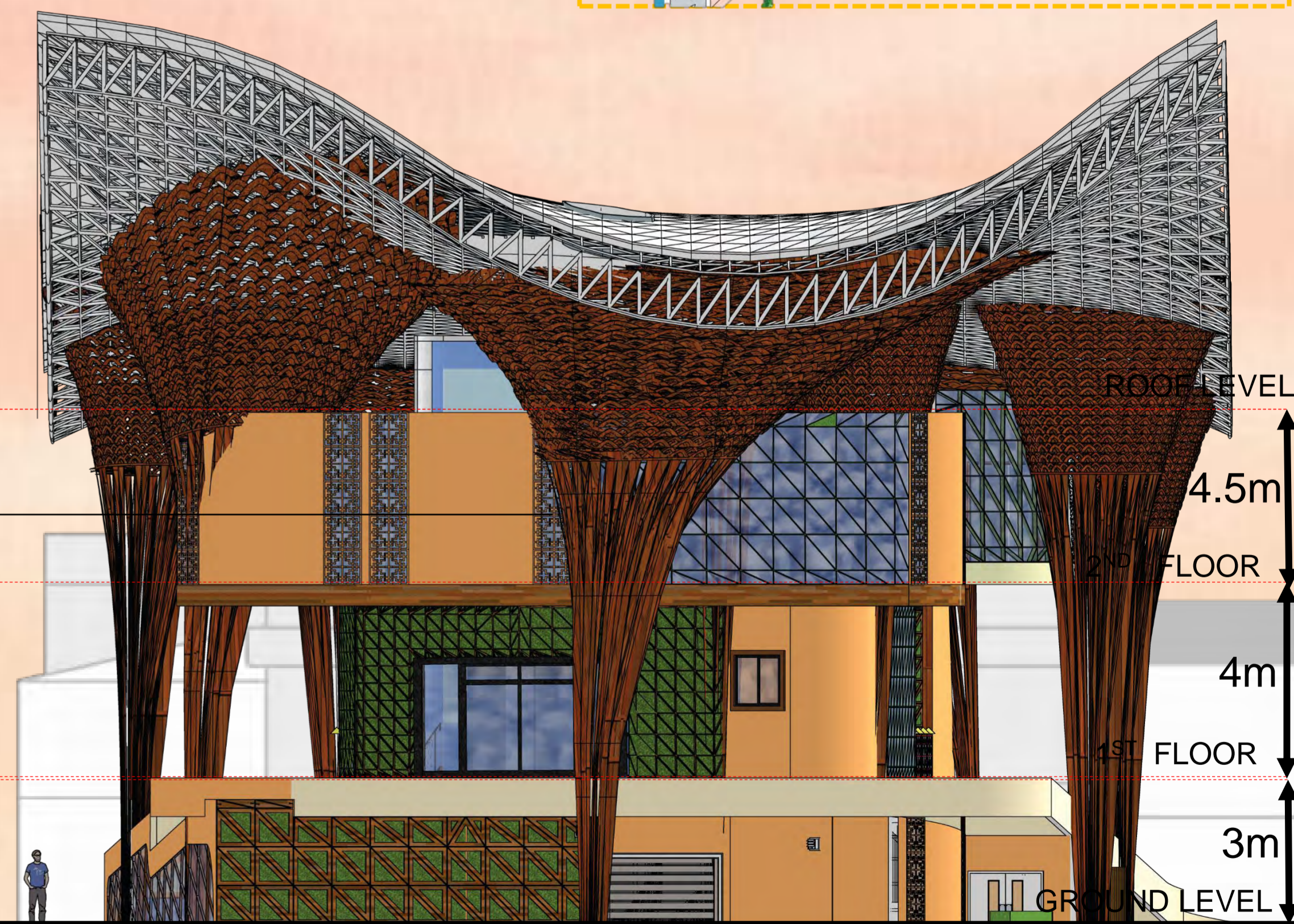
Chinese Evergreen

The building utilizes green walls system to improve air quality, especially due to pollution caused by traffic. It also optimizes users comfort levels as well as reduce building's carbon footprint.

### Detail of Green Wall



❖ SOUTH ELEVATION  
Scale 1:100

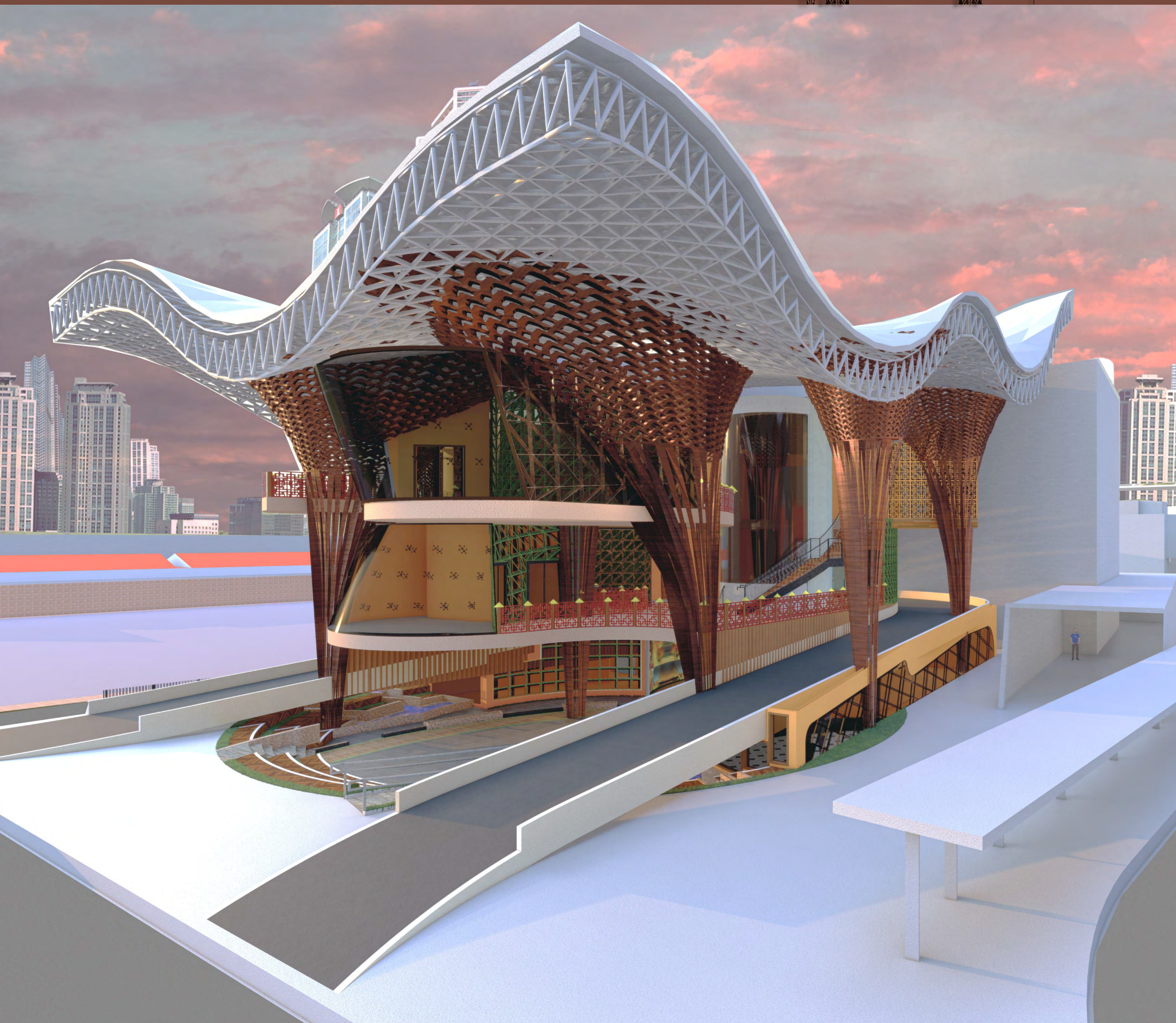


❖ EAST ELEVATION  
Scale 1:100

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# DHOENIXIT

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EXTERIOR PERSPECTIVE



INTERIOR PERSPECTIVE