

ISSUE 1 | VOL. 2 | DEC 2024

# FRAMEWORK

DESIGNING THE FUTURE, FRAMING THE UNKNOWN

LIM ZHI WEI

ARCHITECTURE PORTFOLIO



ELISE STUDIO

# Lim Zhi Wei

## Architectural Designer

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### PROFESSIONAL SUMMARY

Creative and detail-oriented Design Architect with over 3 years of professional and freelance experience in designing and curating exceptional residential and commercial spaces. Demonstrated success in translating client aspirations into functional, aesthetically striking designs while maintaining budget integrity. Expertise spans conceptual development, project execution, and client collaboration, consistently exceeding expectations through thoughtful architectural solutions.

### SKILLS

AutoCAD | SketchUp | Revit | Lumion | V-ray | Midjourney | Adobe Photoshop | Adobe Illustrator | Adobe InDesign | Adobe Premiere Pro | Microsoft Office

### EDUCATION

**Master of Architecture** Sep 2022 - Aug 2024

Universiti Teknologi Malaysia, UTM (CGPA 3.68)

**Bachelor of Science (Honours) Architecture** Jan 2018 - Oct 2020

Universiti Tunku Abdul Rahman, UTAR (CGPA 3.16)

### PROFESSIONAL EXPERIENCE

**Freelance Designer** 2022- Present

Delivered end-to-end architectural solutions, seamlessly guiding projects from conceptualization to realization with a focus on client satisfaction and design excellence. From tailored residential and commercial designs, managed project budgets and timelines, produced CAD drawings and 3D to prepared tender, detailed construction and submission drawings.

- **Proposed renovation of 2-storey super-link terraced house:** Designed and renovate 22ft x 80ft residential project with optimized natural light and improved space efficiency. (3,336sqft)
- **Proposed renovation of café shoplot:** Maximizing 30ft x 80ft cafe's spatial efficiency through strategic layout redesign that delivered 30% additional seating capacity and streamlined service operation. (2400sqft)
- **Detailed drawing of 2-storey bungalow house:** Produced comprehensive construction drawings for tender process, including floor plans, elevations, and sectional details. (9,122sqft)
- **AI Visualization:** Developed design impressions for The New Federal Kuala Lumpur Hotel using AI prompting, preserving cultural elements while maintaining the property's iconic urban status.
- **Developed 3D Visualizations:** Created detailed sun louvers and the extension of the roof awning at Manipal Medical University, optimizing shading and ensuring seamless integration with the existing architectural design.

### Assistant Architect

Idea Workshop Sdn. Bhd.

Jan 2021-Sep 2022

(Intern: Oct-Dec 2020)

Led diverse architectural projects, delivering comprehensive construction documentation and heritage restoration solutions. Spearheaded 3D modeling presentations and site assessments to resolve complex design challenges. Managed client consultations and project objectives while balancing historical preservation with modern design elements.

- **Green Campus Design Competition:** Finalist in a Green Campus Design Competition by Telangana State Urban Centre of Excellence (TSUCE) for a historical site in Hyderabad, India, focusing on sustainable urban design strategies. (45acres)
- **Beyond YUE | Jianhu Revival' :** Conceptualized a master plan in Shaoxing Jianhu, China, as part of an international planning and design competition. (15sqkm)
- **XueFeng Hillslope Hotel Proposal:** Designed contextual hospitality development integrating natural topography and local architectural elements. (3.67acres)
- **Heritage Adaptive Reuse:** Revitalized two-storey Heeren Street heritage shoplot while preserving historical character. (7,588.6sqft)
- **Healthcare Facility:** Led design development for 4-storey Nursing Home & Clinic, incorporating specialized healthcare requirements and accessibility standards. (13,560sqft)
- **Commercial Development:** Directed design of 3-storey shoplots optimizing retail spaces and pedestrian circulation. (4,425sqm)
- **Semi-Detached Housing Development:** Designed 4-unit residential development maximizing site efficiency and living spaces. (8,474.5sqft)

### CERTIFICATION

- Finalist of 2024 Pam Refleksi Seratus 100 Exhibition
- Bronze Award of 2020 Architecture Degree Final Year Project Competition
- Secretary Head of 2019 Architecture Student Workshop 2019 (PAM) – xxx!!!nyala

### PROJECT HIGHLIGHT

- **Adult Lifelong Learning Hub:** Researched and designed educational facility and living spaces responding to Johor Bahru's social dynamics.
- **Re. Urban KLCC Wellness Hub:** Researched and developed urban wellness centre concept promoting community health and social connectivity.
- **Recursive AI Design Exploration:** Utilized Midjourney AI for innovative architectural ideation and concept development.
- **Hive Hub:** Bronze Award Winner, Final Year Project Competition 2020 - Created community-centric urban intervention space fostering social interaction and civic engagement.
- **Hulu Langat Ranger Station:** Designed sustainable facility integrating environmental conservation requirements with operational efficiency.
- **Pulau Sah Kecil Chalet:** Conceptualized eco-sensitive hospitality design responding to island's natural context.



## PROJECT MAPPING

- 1** Adult Lifelong Learning Hub  
(Finalist Pam Refleksi Seratus 2024)  
Jalan Bukit Chagar, Johor Bahru City Centre
- 2** Re. Urban KLCC Wellness Hub  
Jalan Mayang, Kuala Lumpur City Centre
- 3** Hive Hub  
(FYP Bronze Award)  
Jalan Meru, Kajang
- 4** Tower Design, Ranger Station  
Hulu Langat, Selangor
- 5** Pulau Sah Kecil Chalet  
Pulau Sah, Terengganu
- 6** Experienced Project

1

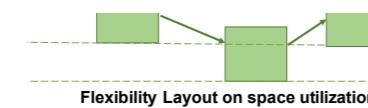
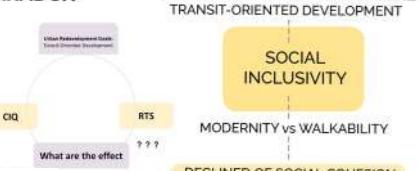
# Adult Lifelong Learning Hub

Jalan Bukit Chagar, Johor Bahru City Centre





## PARADOX URBAN REDEVELOPMENT GOAL TRANSIT-ORIENTED DEVELOPMENT



Seating Zone  
Workshop  
Kiosk

Staggered to center platform  
Leverage Connectivity  
A Multifunctional environment  
Placemaking



## What are the choices does the society have?

Age: 27-42  
Millennials economic strength is very limited, and they are moving away from a culture of desiring ownership.

Working people / Commuter  
Rent room / house / apartment  
Buy room / house / apartment  
Living with parents

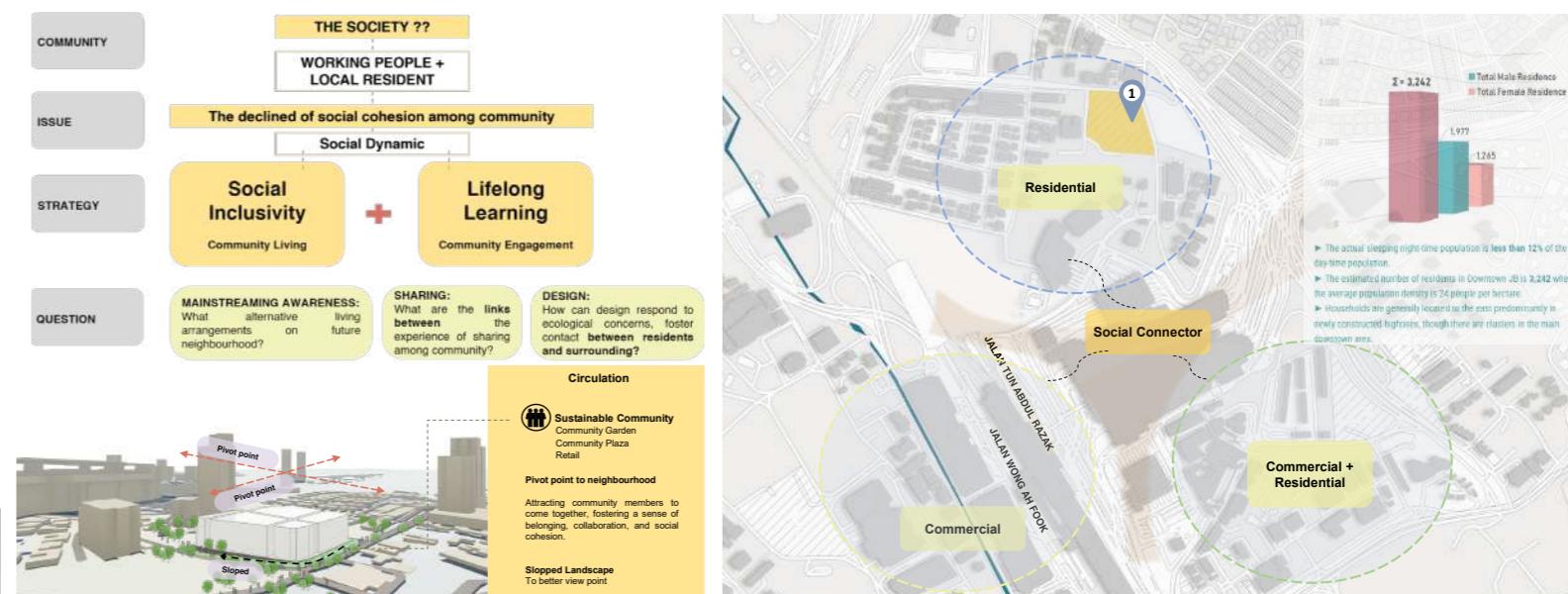
51% 37% 44%

Move place very frequently  
Desire on having a good neighborhood  
Life Balancing

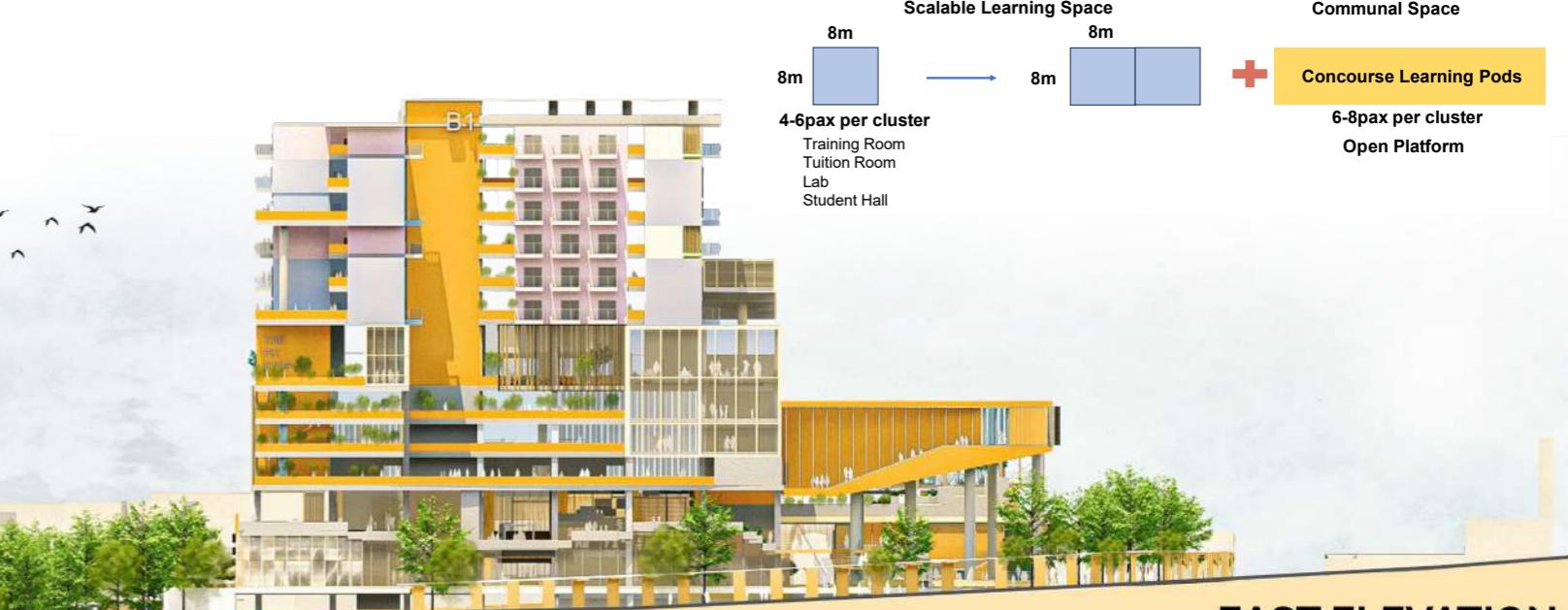
SECCION B-B  
SCALE 1:200

ROOF LVL  
11TH FLR LVL  
10TH FLR LVL  
9TH FLR LVL  
8TH FLR LVL  
7TH FLR LVL  
6TH FLR LVL  
5TH FLR LVL  
4TH FLR LVL  
3RD FLR LVL  
2ND FLR LVL  
1ST FLR LVL  
MEZZ FLR LVL  
G/F FLR LVL  
BASEMENT

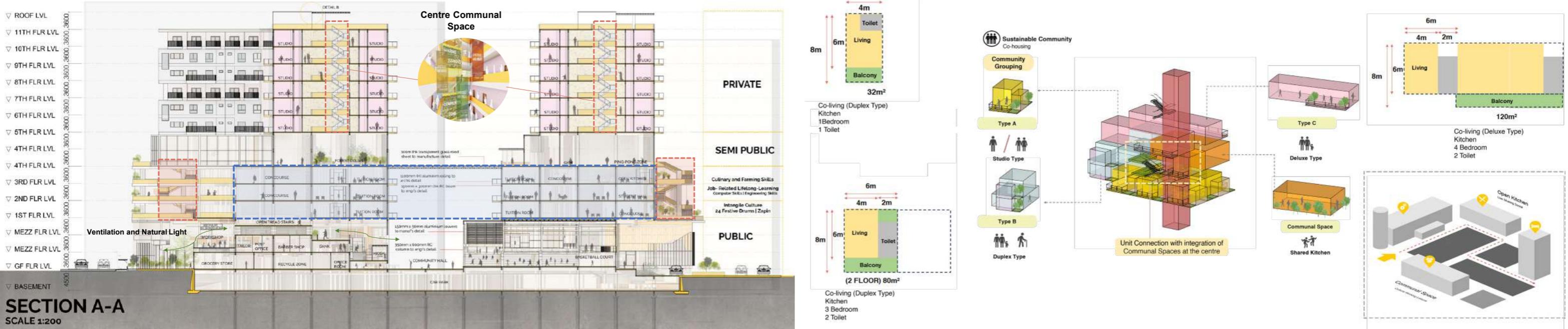
DETAIL A  
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DETAIL Y  
DETAIL Z

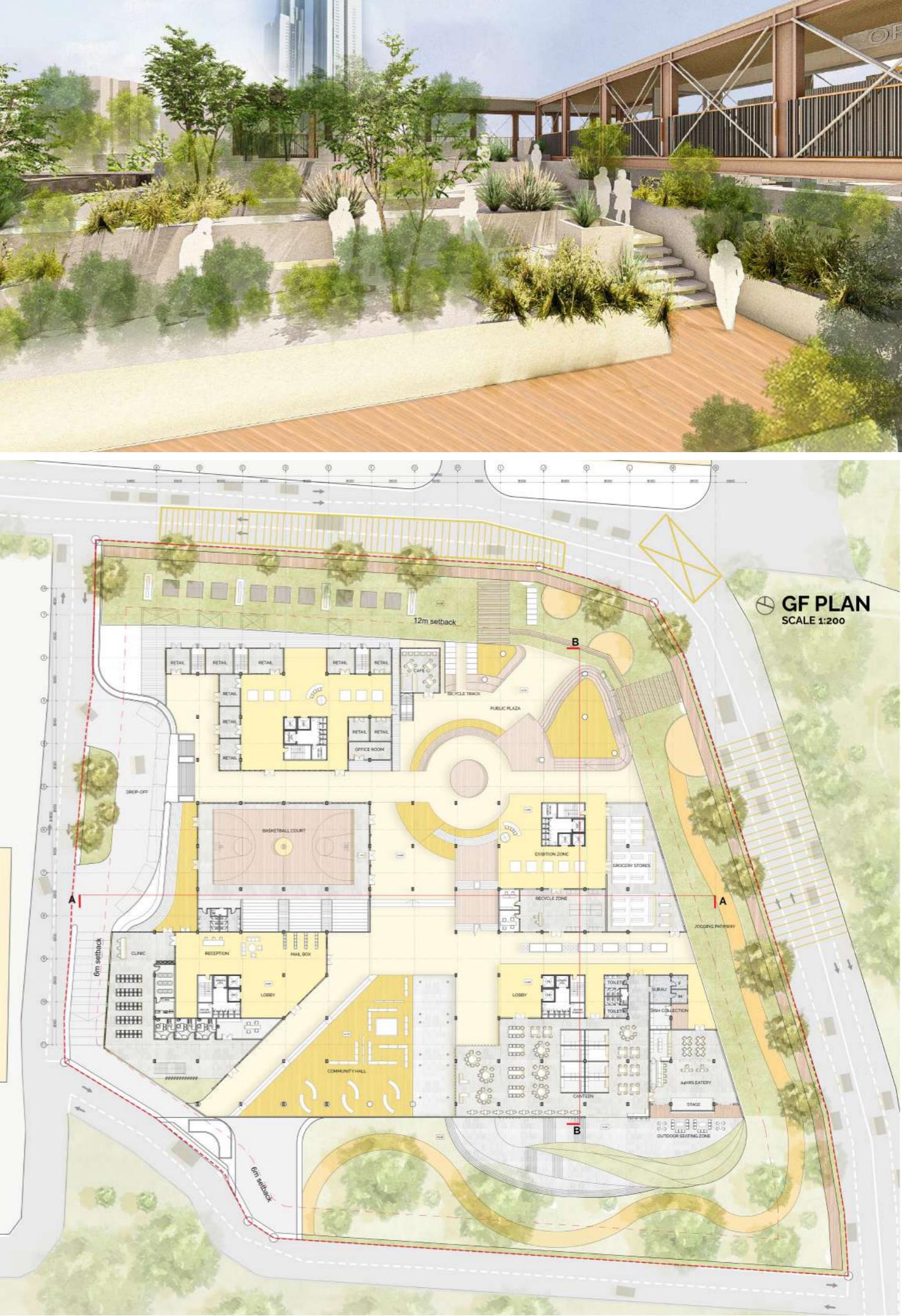
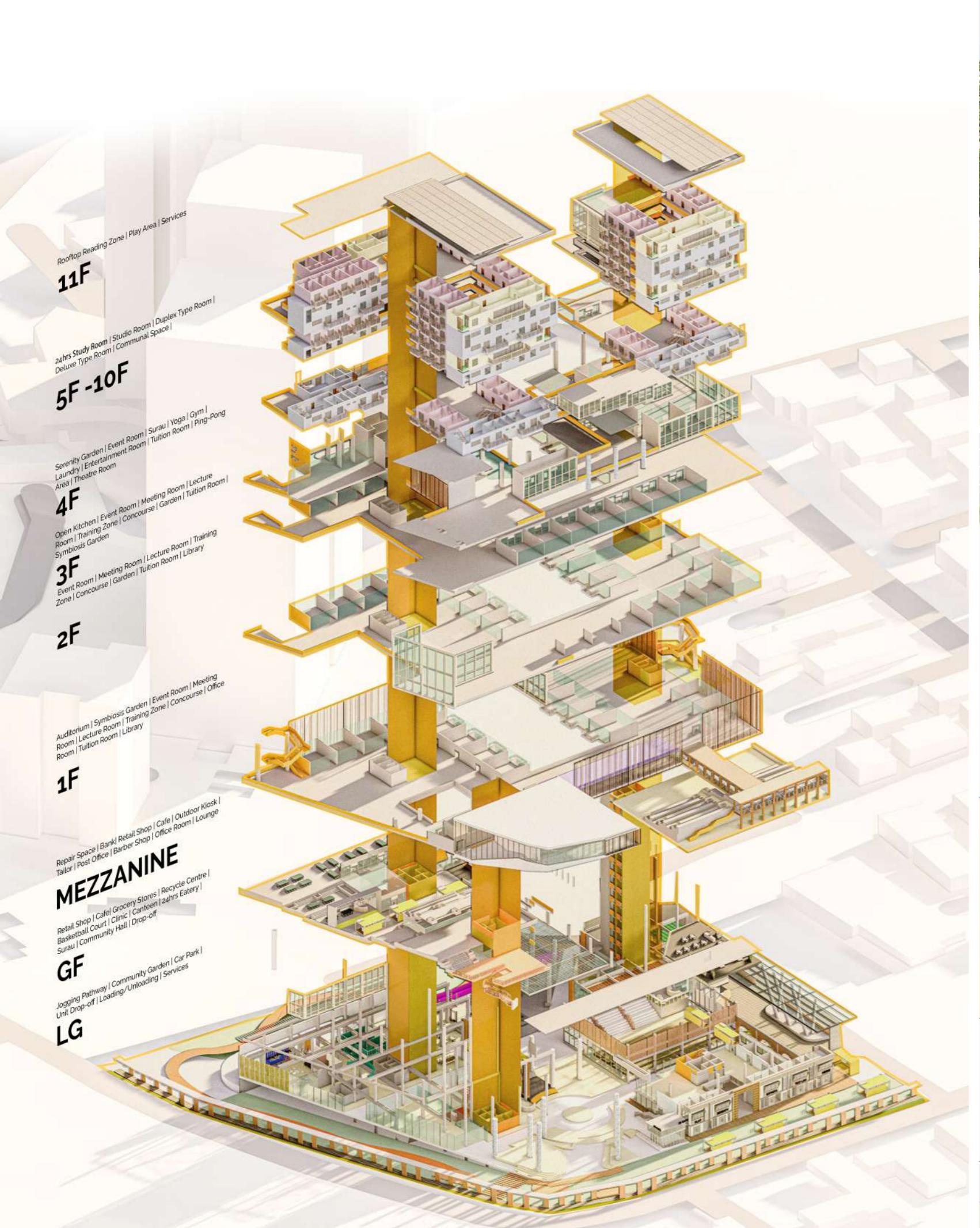


NORTH ELEVATION  
SCALE 1:200



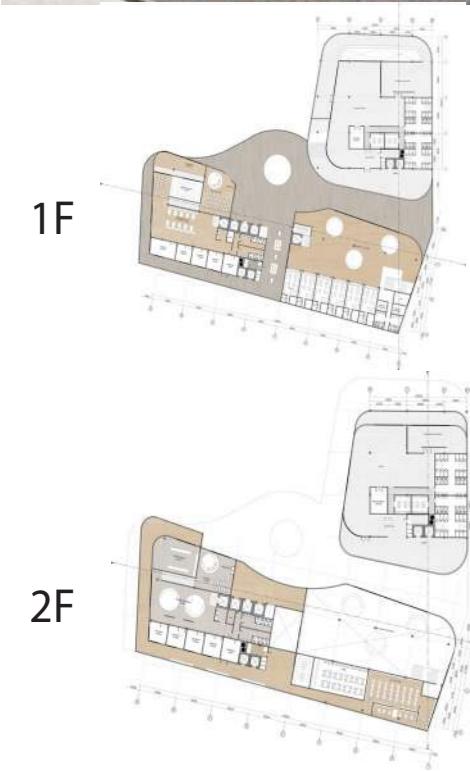
EAST ELEVATION  
SCALE 1:200





## 2 Re. Urban KLCC Wellness Hub

Jalan Mayang, Kuala Lumpur City Centre



## MultipliCity

"MultipliCity" describes a city characterized by its rich tapestry of diversity, where different cultures, communities, and ideas coexist and intersect.

It emphasizes the vibrant and dynamic nature of urban life, represents a vision of urban life that acknowledges and embraces the multiplicity of experiences, choices, journey and spaces within a city, fostering an environment that encourages mutual understanding, cultural exchange, and the development of a vibrant and interconnected community.

### Multiply Experiences

**Designated Mobility Lane**  
Provide safe environment for micro-mobility usage and improve the exposure to the public.  
**Cultural Tour**  
Trishaw Experience Street: Preserving the traditional mobility culture by providing a cultural tour along Jalan P Ramlee, Lorong Perak and Jalan Law Yew Sze.

### Multiply Choices

**From Heritage to Skyscrapers**  
Provide space to showcase the multiplicity of architectural style that had shaped the city  
**Interactive exhibition**  
To provide an alternative choice beyond the common tourist spots, enriching their values towards the identity of the city.

### Multiply Journey

**Cultural Path**  
Cultural path foster a deeper understanding appreciation for the local culture, promoting cultural understanding and dialogues.  
**Crosswalk**  
Activating Crosswalk: Transforming the crosswalk into an engaging and vibrant space connecting Jalan Ampang and the backbone of the proposed site.

### Multiply Spaces

**Green Pocket**  
Promoting Health and Well-being: offer opportunity for physical activity, relaxation, and recreation.  
**Community Passageway (Jalan Tukus)**  
Encouraging Community Interaction: By creating an inviting and pedestrian-friendly environment and strengthens community bonds.

## URBAN CHALLENGES



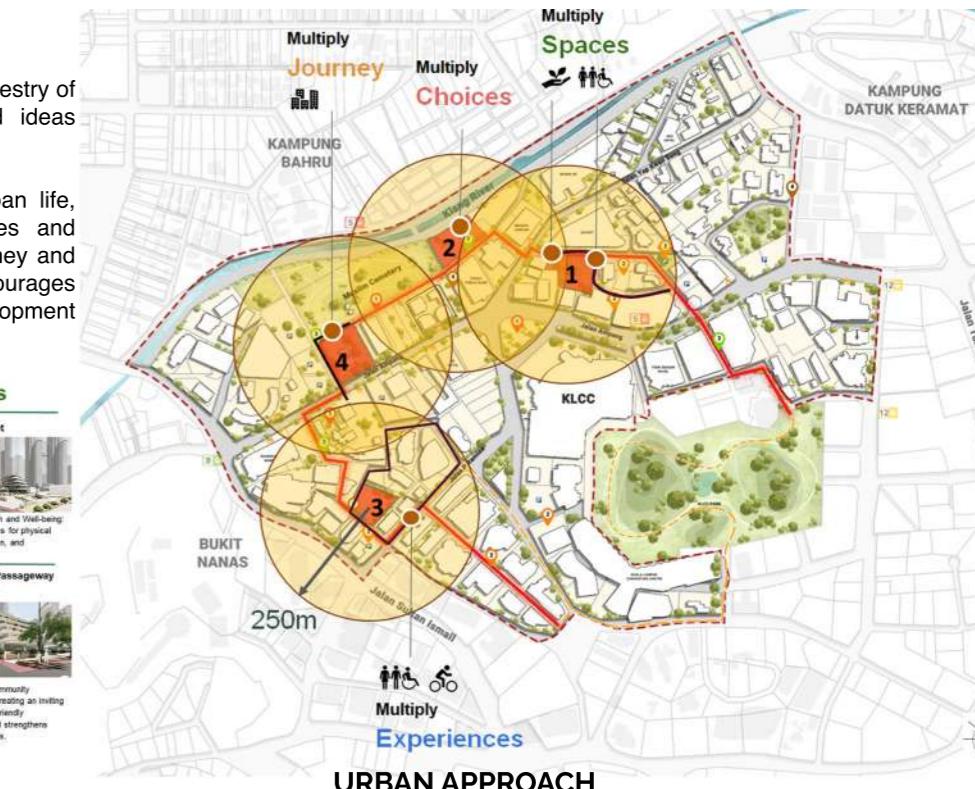
**LIMITED SPACE**  
Space constraints of commercial buildings. User wish for more open public spaces.



**CONSUMER PREFERENCES**  
People tends to involve more in mental health and understand more on the importance of wellness.



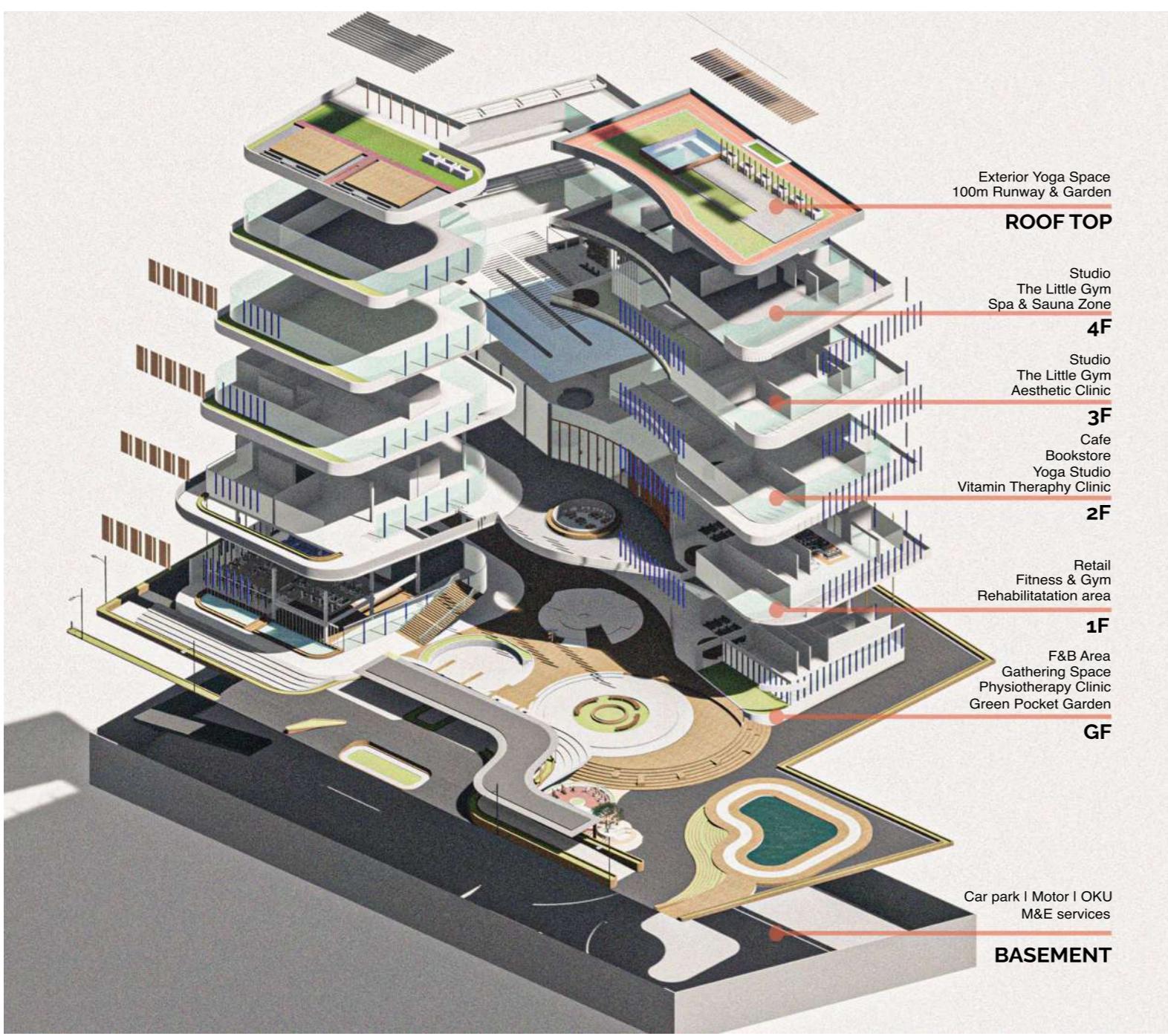
**SPACE EFFICIENCY**  
The demands of multi-purpose space function and creative layout designs.



## URBAN APPROACH

Connection between block to block





### 3 Hive Hub ( FYP Bronze Award)

Jalan Meru, Klang



CONCRETE STAIRCASE WITH  
STEEL STRUCTURE TO  
ENGR'S DETAIL  
THREAD=250MM, RISER= 150MM  
GROUND TO FIRST FLOOR= 25  
NOS

900MM H x 12MM THK  
FRAMELESS TEMPERED GLASS  
RAILING TO MANUF'S DETAIL

75MM x 150MM (H) I BEAM TO  
ENGR'S DETAIL

25MM (H) CMI FLOOR CEMENT  
SCREED TO MANUF'S DETAIL

23MM (H) STEEL DECK  
TO MANUF'S DETAIL

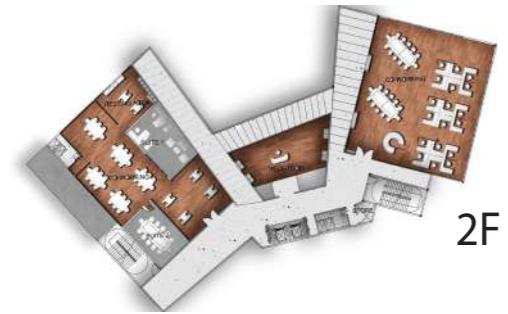




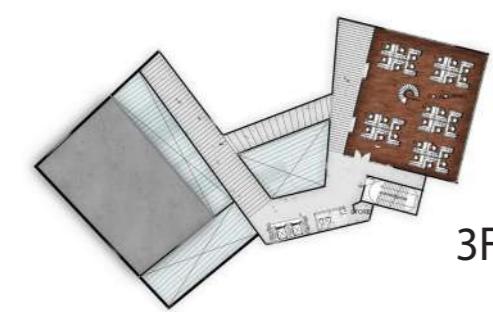
GF



1F



2F



3F



LEFT ELEVATION

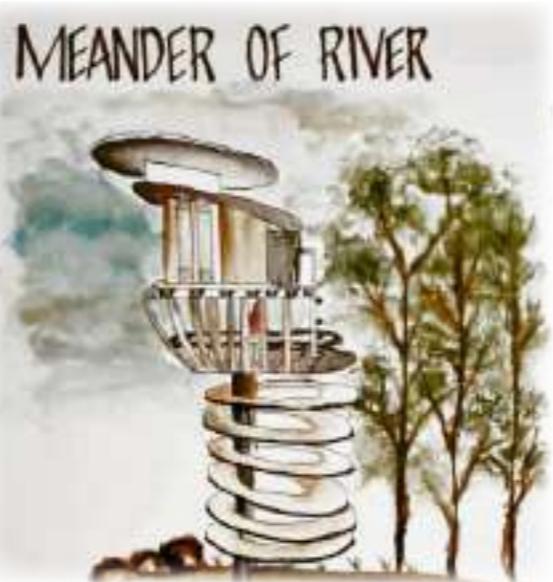


RIGHT ELEVATION



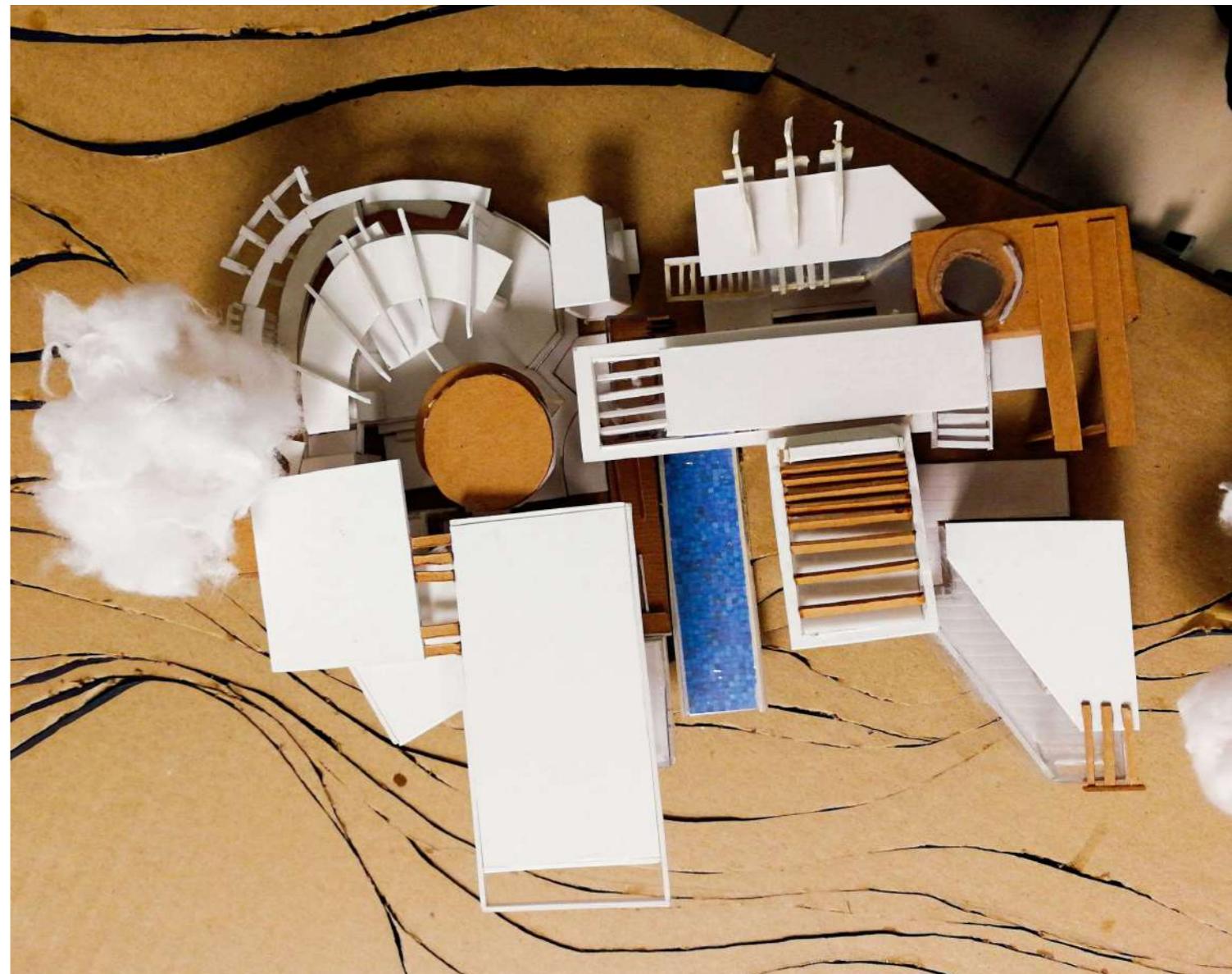
## 4 Tower Design | Ranger Station

Hulu Langat, Selangor



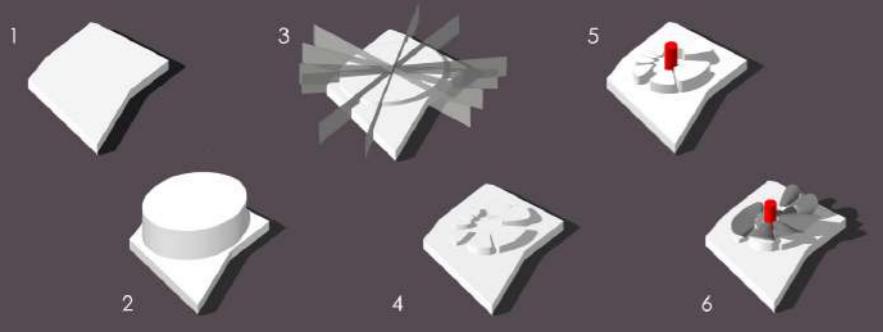
## 5 Pulau Sah Kecil Chalet

Pulau Sah, Terengganu



# 6 Green Campus Design (Competition Finalist)

Hyderabad, India Telangana State Urban Centre of Excellence



## DESIGN CONCEPT



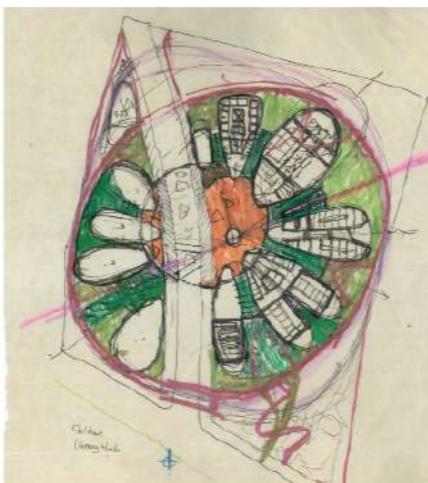
The image of The Centre of Urban Excellence shall be a noble yet quiet place of powerful influence Where serenity pervades And wisdom is cultivated and heaven n man are at peace.

The convergence of righteousness, purity, calm that solemn yet soft ambience of immersion in determination to learn that erudite image of scholarship, scholastic immersion, that benign hermitage of a campus for enlightenment, in deep search for mankind's eternal happiness together with that of Nature.

That cosmic mind emerging and hidden at the same time, revealing its secrets and truths like the opening of the lotus A cluster of lotuses gently, moving slightly with the faintest ripples stillness of silence in its opulence of mind and cultivation of the intellect. That overriding power of calm in the unspoken in the soft waters.

It demonstrates changes 5 petals to reflect and to reveal growth upon Graduation, it captures the different stages of a flower blossoming from closed bud to quarter open to half open to three quarters open, reflecting the various stages in time

The FINALE that spectacular glory at full opening of the inspiring splendour of a lotus's sacredness that extends its iridescence far out and radially.

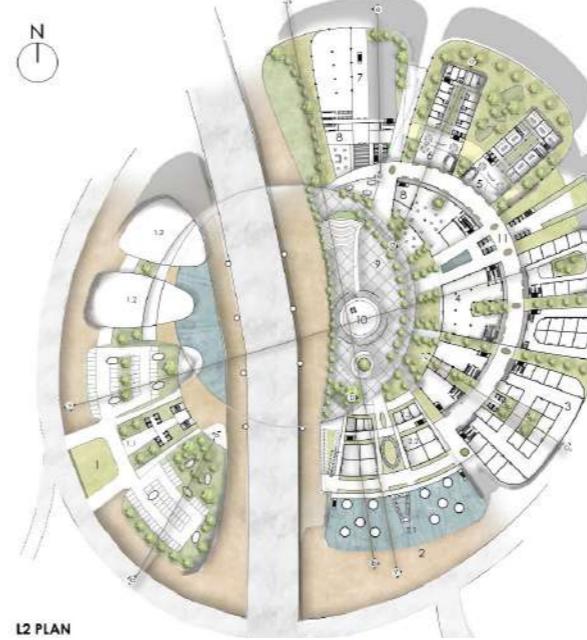


3 Rings of Ripples in Lotus Pond of increasing diameter outwards:

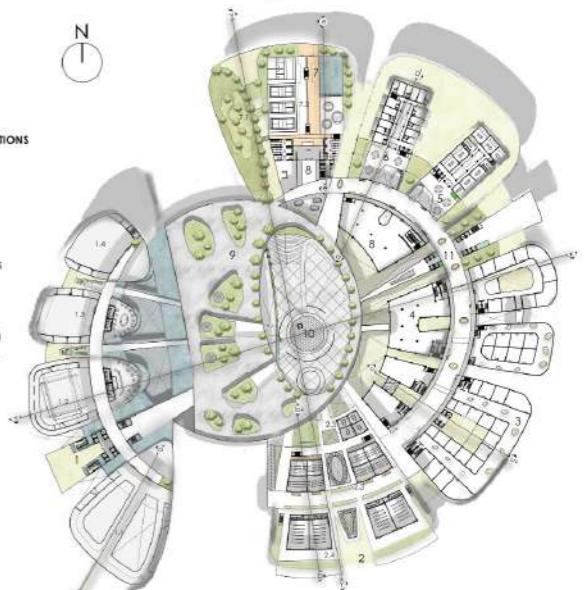
**INNER RING** (moat around central village square).

**MIDDLE RING** (Pedestrian Spine as covered walkway at lowest level as bridges connecting upper levels, also as a Retail Street integrating all foyers of each petal).

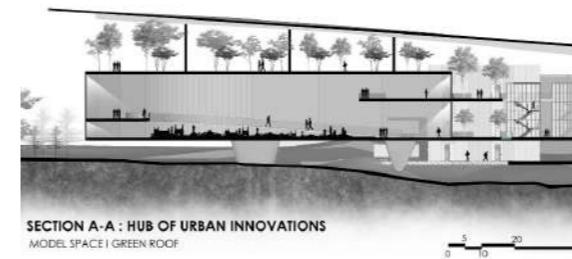
**OUTER RING** (Spine Road for Vehicular Traffic).



L2 PLAN



L3 PLAN

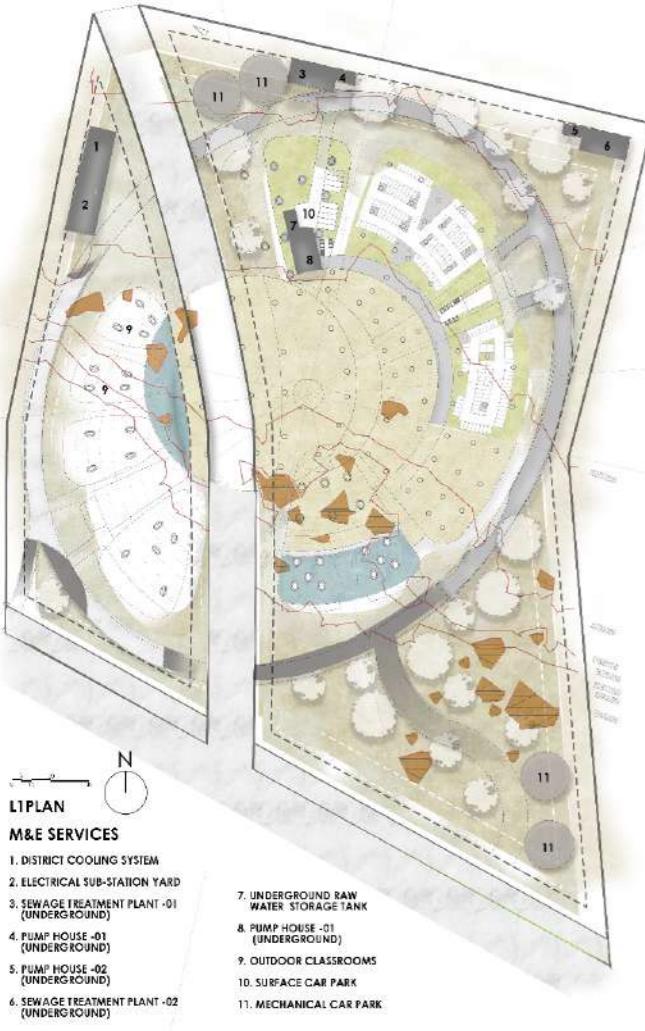


SECTION A-A : HUB OF URBAN INNOVATIONS  
MODEL SPACE | GREEN ROOF



SECTION B-B : CONVENTION CENTRE  
AUDITORIUM | AMPHITHEATRE | MEETING ROOM | GREEN ROOF



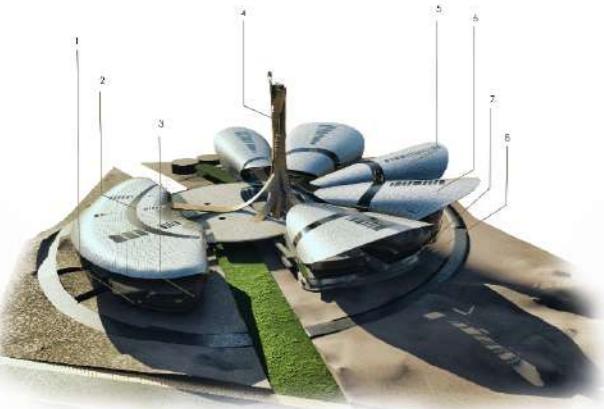


#### SUSTAINABILITY, ECOLOGICAL & GREEN CONCEPT

1. SUSTAINABILITY AND SUSTAINABLE DEVELOPMENTS ARE IMPORTANT LONG-TERM GOALS IN URBAN PLANNING.

2. AS THE URBAN CENTER OF EXCELLENCE FOR TELANGANA, OUR TEAM ENVISIONED THAT THE PROJECT ITSELF MUST INCORPORATE ESSENTIAL CONCEPTS OF SUSTAINABILITY INTO THE DESIGN OF THE PROJECT FOR CONSIDERATIONS.

3. GREEN BUILDING MECHANICAL AND ELECTRICAL ENGINEERING SERVICES WITH THEIR POTENTIAL LOCATIONS ARE DESIGNED FOR THE PROJECT AS FOLLOWS:



- 1. SMATV / IPTV ACCESS CONTROL
- 2. ROOFTOP SOLAR PV INSTALLATION
- 3. CCTV, FIRE DETECTION & PUBLIC ADDRESS SYSTEM
- 4. VENTILATION THROUGH CHIMNEY
- 5. ROOFTOP RAIN WATER HARVESTING
- 6. SUNLIGHT HARVESTING SYSTEM
- 7. AUDIO VISUAL SYSTEM
- 8. CAR PARK MANAGEMENT SYSTEM

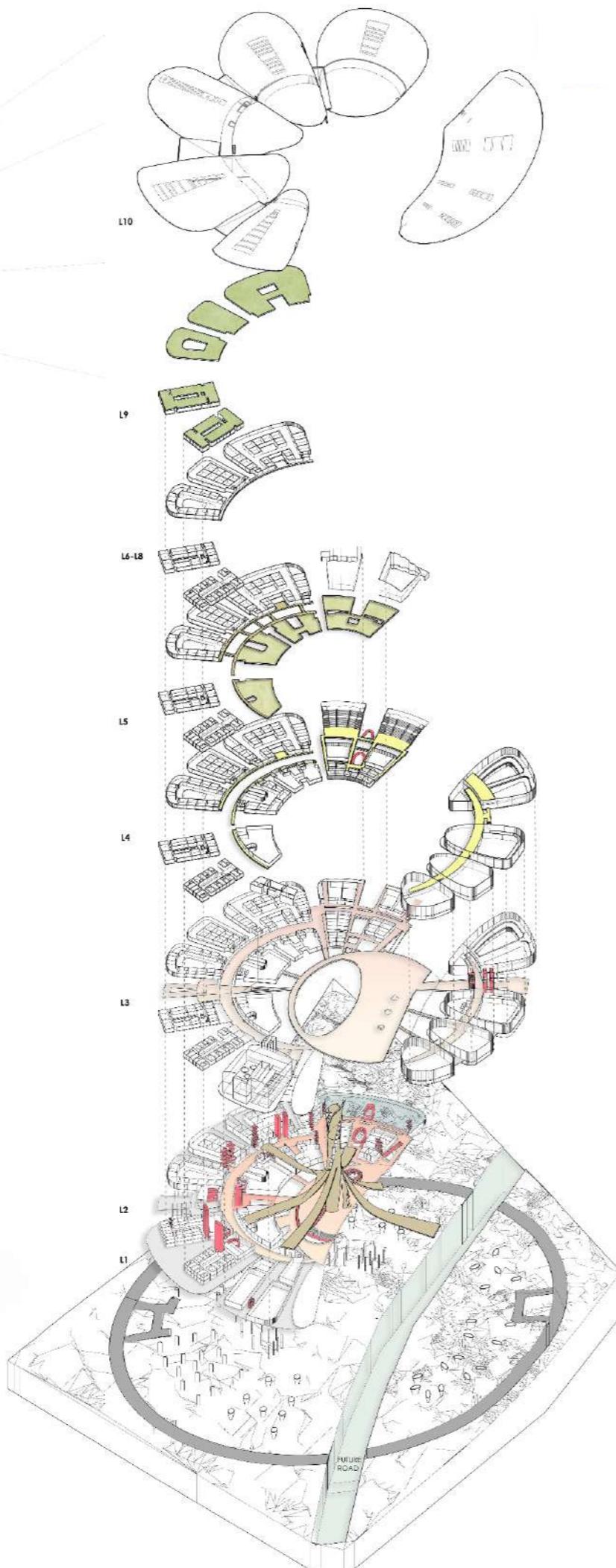
#### CONCLUSION

SUSTAINABILITY CANNOT ONLY BE ABOUT THE CLIMATIC BUT MUST ALSO BE CULTURAL (AS AN EXTENSION OF HISTORY) AND SPIRITUAL (THE TEMPORAL CONTINUITY AND COSMIC CONDITION OF MAN).

'AN AMAZING INDIA' (THE WORLD'S OLDEST CONTINENTAL CIVILIZATION) IS REFLECTED BY TELANGANA STATE'S ASPIRATION TOWARDS A BOLD CITY OF THE FUTURE FROM HER GLORIOUS PAST, RICH TRADITIONS AND ANCIENT SPIRITUALITY.

ALL ASPECTS OF INDIAN AND TELANGANA'S CULTURE (VASTU SHASTRA IN PARTICULAR), THE CLIMATIC PATTERNS (IN IRRIGATION, DRAINAGE, WATER AND RIVER WAYS, WIND AND SUN), THE LAND FORMS (DECCAN PLATEAU) AND ITS MOUNTAINS AND HILLS ARE CAREFULLY COLLECTED AND STUDIED.

TO FUSE ALL THESE WITH THE GREEN CITY APPROACH, RANGING FROM ECOLOGY, SUSTAINABILITY AND TRANSPORTATION TO THE PROGRAMMATIC HUMAN INTERACTION WITHIN THE ENTIRE COMPLEX.



# 6 Hillslope Hotel Proposal

XueFeng, China



## Office Proposal

2 April 2021- 7 April 2021 (aprx. 1 week)

Personal Job Scopes:

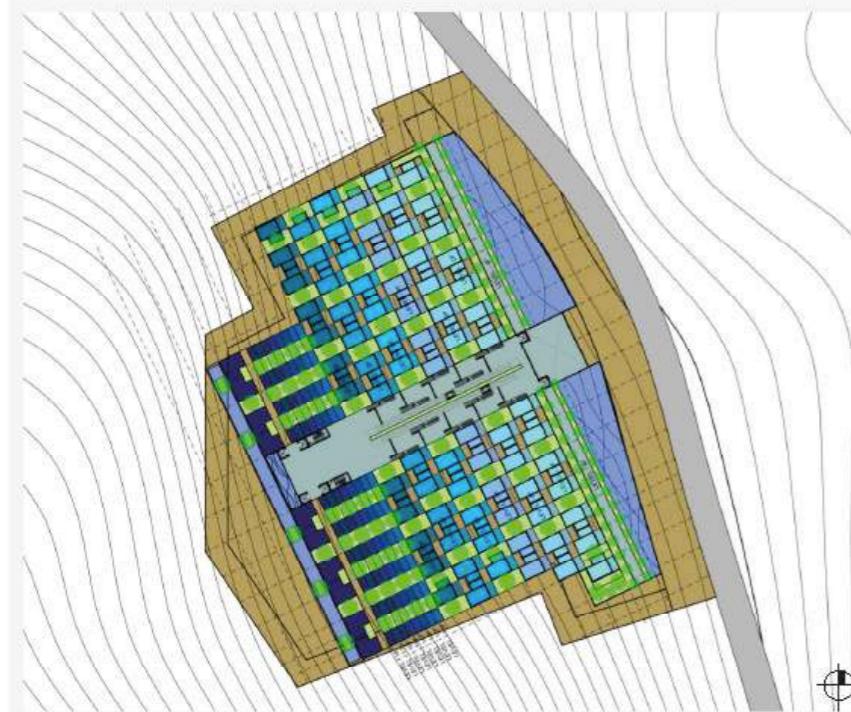
Facts Finding | Site Analyze | 2D & 3D Design

The site located at XueFeng, China with 3.67 acres original intention of the design is to combine the local three-color protection area.

- patina
- red in the old revolutionary area
- green in the vegetable area

BUILDING AREA INDEX 建築面積指標統計表			
樓層 LEVEL	空間 PROGRAMME	建築面積(平方米) (GFA, sq.m)	面積數量(間) (NUM. ROOM)
地下一層 (LEVEL -1)	地下一層 餐飲及停車場 (GND FLOOR RESTAURANT, PARKING)	2,433 sq.m	
第-2層 LEVEL -2	LOBBY, 餐廳, 小吃室, 零售商店, 停車場, 亂髮房 (LOBBY, RESTAURANT, RETAIL, PARKING, MATE)	2910sq.m + 2,179 sq.m (CP) + 8,100 sq.m	22間 面積數量(間) 242 面積 220P
地庫 LEVEL -3	地下停車場 (UNDERGROUND PARKING)	2,022 sq.m	
第-4層 LEVEL -4	停車場, 酒店, 餐廳 (PARKING, HOTEL, RESTAURANT)	6,600sq.m + 7,000sq.m + 2,500sq.m	10間
第-5層 LEVEL -5	停車場 (PARKING)	2,000sq.m + 4,000sq.m + 1,200sq.m	10間
第-6層 LEVEL -6	停車場, 酒店 (PARKING, HOTEL)	6,000sq.m + 4,400sq.m + 1,100sq.m	10間
第-7層 LEVEL -7	停車場 (PARKING)	4,000sq.m + 4,000sq.m + 1,000sq.m	10間
第-8層 LEVEL -8	停車場, 酒店 (PARKING, HOTEL)	6,000sq.m + 4,000sq.m + 1,000sq.m	10間
第-9層 LEVEL -9	停車場, 酒店 (PARKING, HOTEL)	4,000sq.m + 4,000sq.m + 1,000sq.m	10間
第-10層 LEVEL -10	停車場, 酒店 (PARKING, HOTEL)	4,000sq.m + 4,000sq.m + 1,000sq.m	10間
第一層 LEVEL 1	土壤蓄水池, 酒店 (SOIL-PURIFY, HOTEL)	400sq.m + 41,400sq.m = 1,800sq.m	10間
第十一至十五層 LEVEL 11/15	酒店, 酒店 (HOTEL, HOTEL)	8,000sq.m + 4,000sq.m	10間 (各樓層) 40間
第十六至十八層 LEVEL 16/18	酒店, 酒店 (HOTEL, HOTEL)	16,000sq.m + 2 * 4,000sq.m	20間 (各樓層) 80間
合計 GRAND TOTAL	總建築面積 (供應總面積) 合建面積 (名額總面積)	27,707 sq.m 30,117 sq.m	面積數量 100間 面積 100P

TYPICAL FLOOR PLAN 典型單位 平面圖



19



# 6 Resort Proposal

Pantai Klebang, Melaka

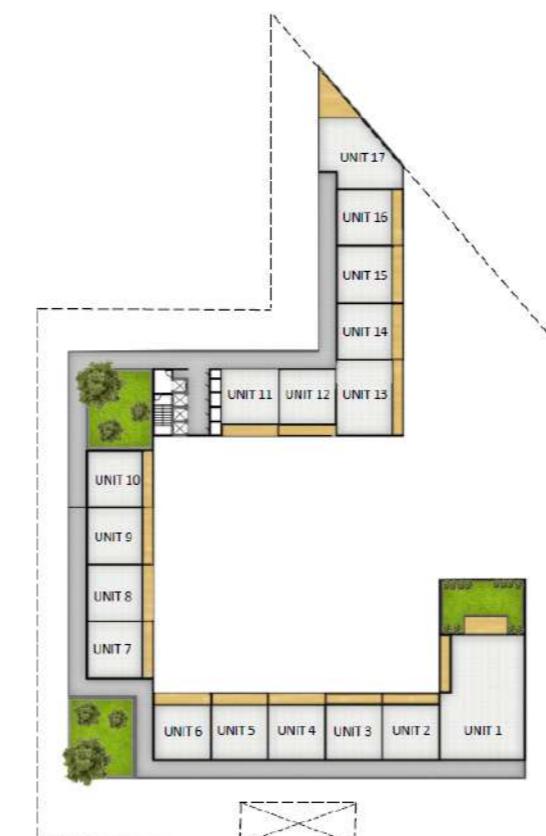
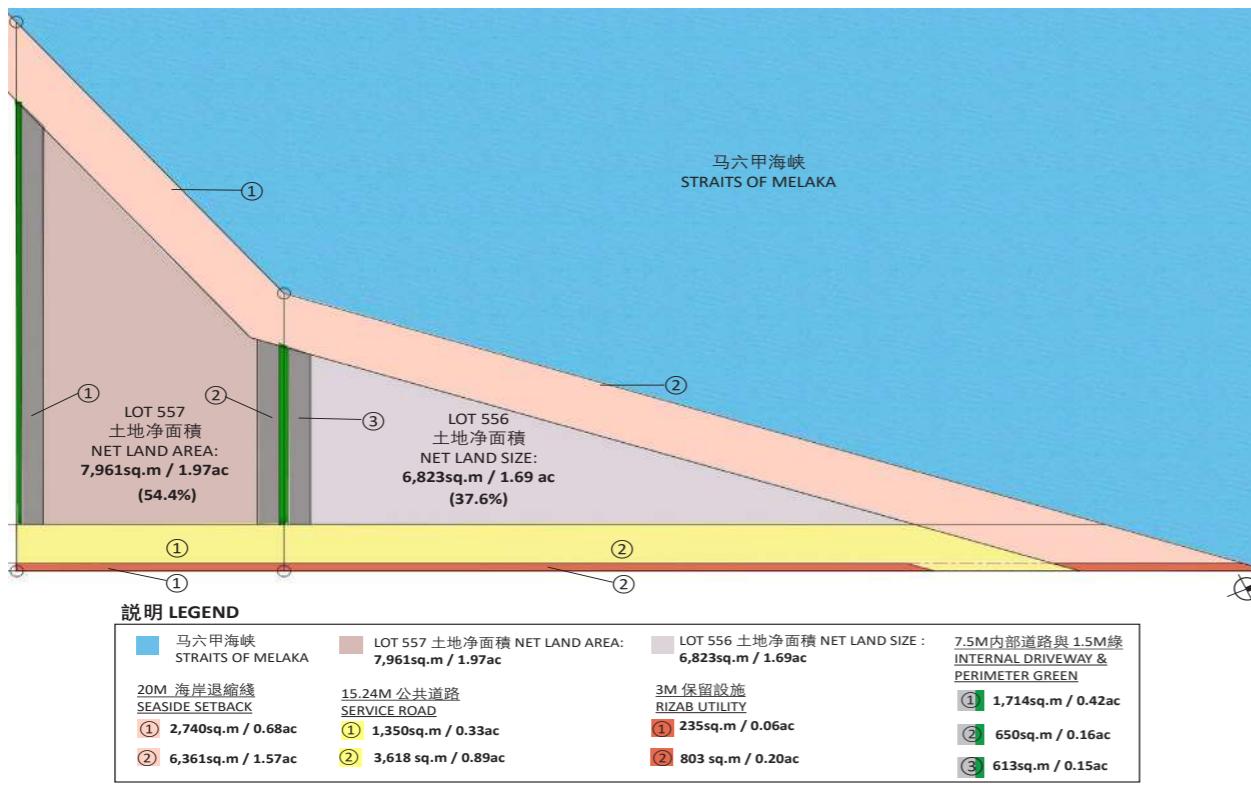
## Office Proposal

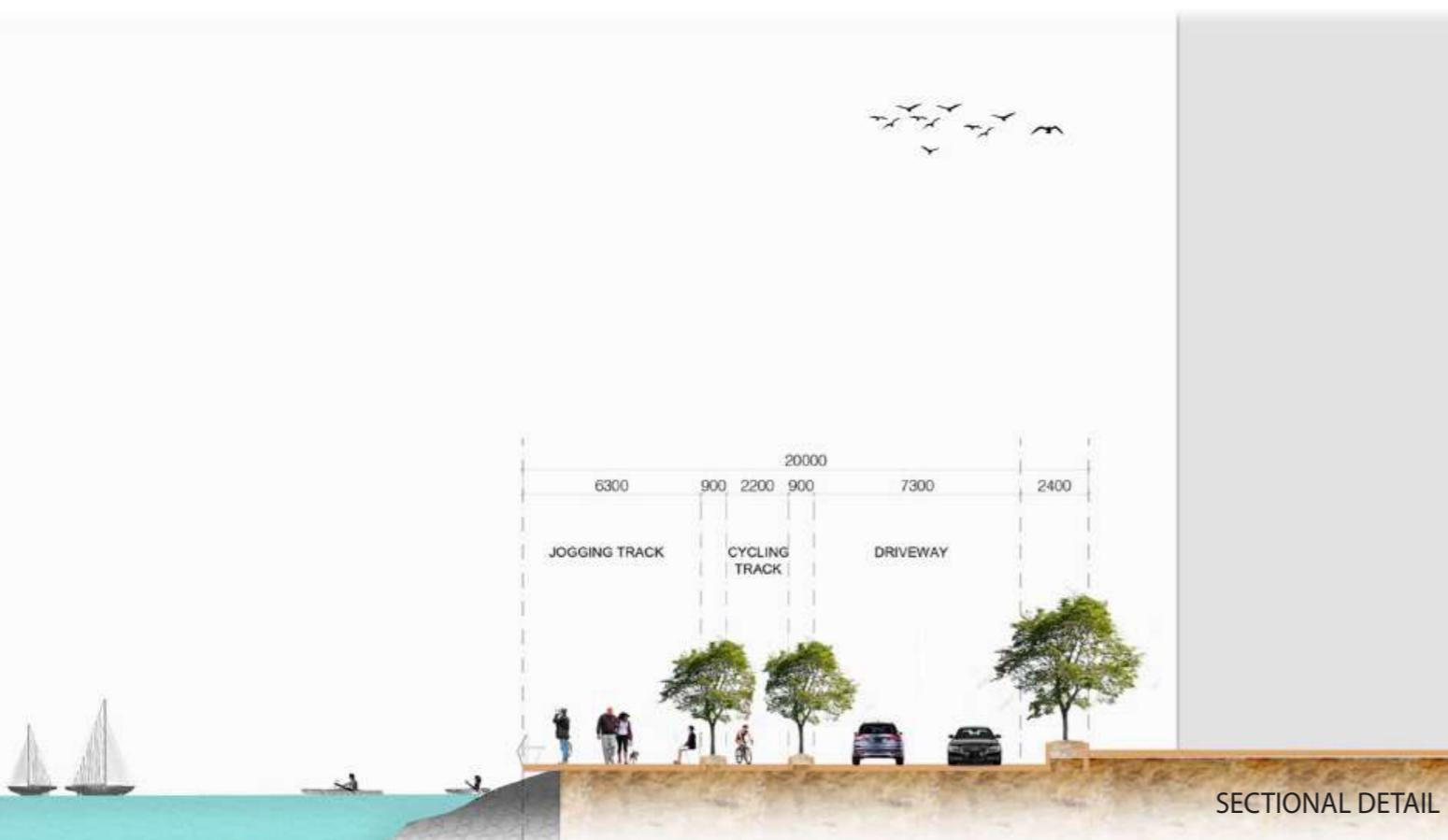
Duration: 11 June 2021- 11 August 2021 (apprx 2 months)

Personal Job Scopes: Site Analyze | 2D & 3D Design | Massing Model



區域主要道路與綠地路線劃分土地面積圖 LOT 557 & LOT 556 SITE DIAGRAM 3





# 6 Nursing Home & Clinical Proposal

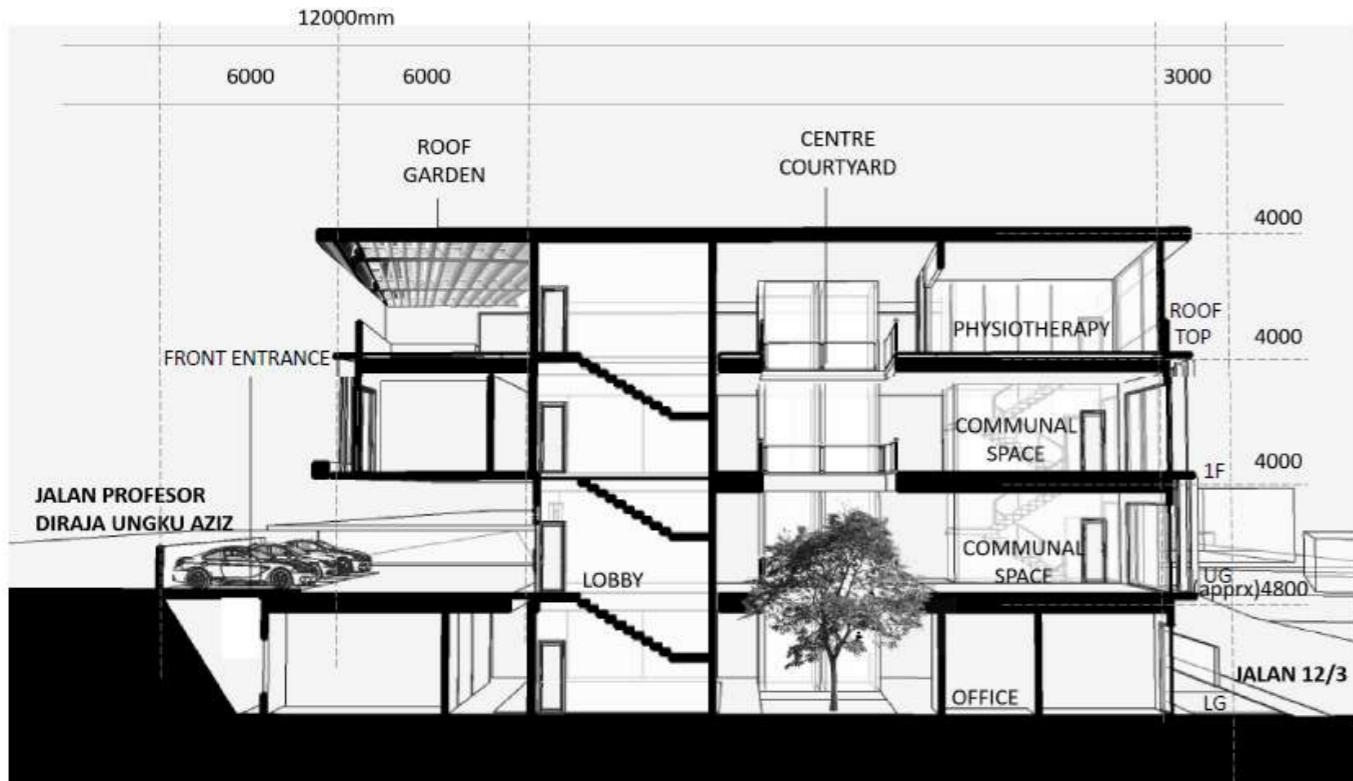
Jalan University, Petaling Jaya, Selangor (2021)



Office Proposal & Submission  
Duration: 05 October 2021- on going  
Personal Job Scopes:  
Site Visit | 2D & 3D Design | Massing Model



LOCATION PLAN



## A) Proposed Site History Background

1. The proposed site is located at 56 Jalan Profesor Diraja Ungku Aziz, Lot 29 which is 5 lots away from Zone Institution KPJK (Kemudahan dan Perkhidmatan Jagaan Kesihatan).
2. Lot 29 is right at the centre of commercial, education and medical specialist areas including 1 secondary school, 2 universities (MAHSA Avenue International College and University of Malaya) and 1 hospital (UM Specialist Centre) along Jalan Profesor Diraja Ungku Aziz within a 500m distance.
3. Along Jalan 12/3, the road behind Lot 29, there are residential areas classify as low density housing areas.



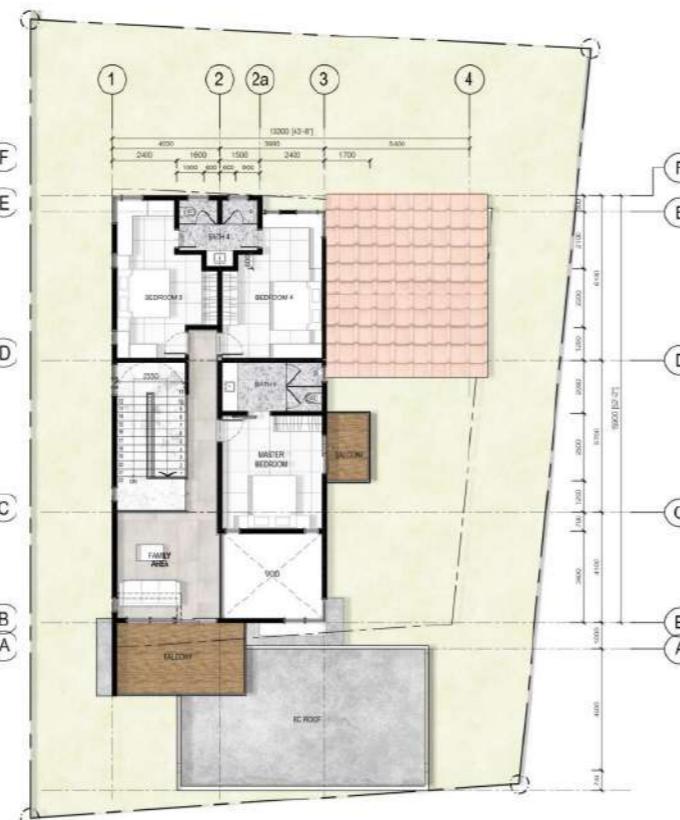
# 6 Housing-Bungalow

Melaka

Office Proposal & Submission

Duration: 10 October 2021 - on going

Personal Job Scopes: Site Analyze | 2d & 3d Design | Massing Model | 2D & 3D Render | Submission Drawing



LIVING ROOM

## 6 Housing-Semi Detached House

Melaka

Office Proposal & Submission

Duration: 10 October 2021 - on going

Personal Job Scopes: Site Analyze | 2d & 3d Design | Massing Model | 2D & 3D Render | Submission Drawing



# 6 Cafe & Pastry Shoplot

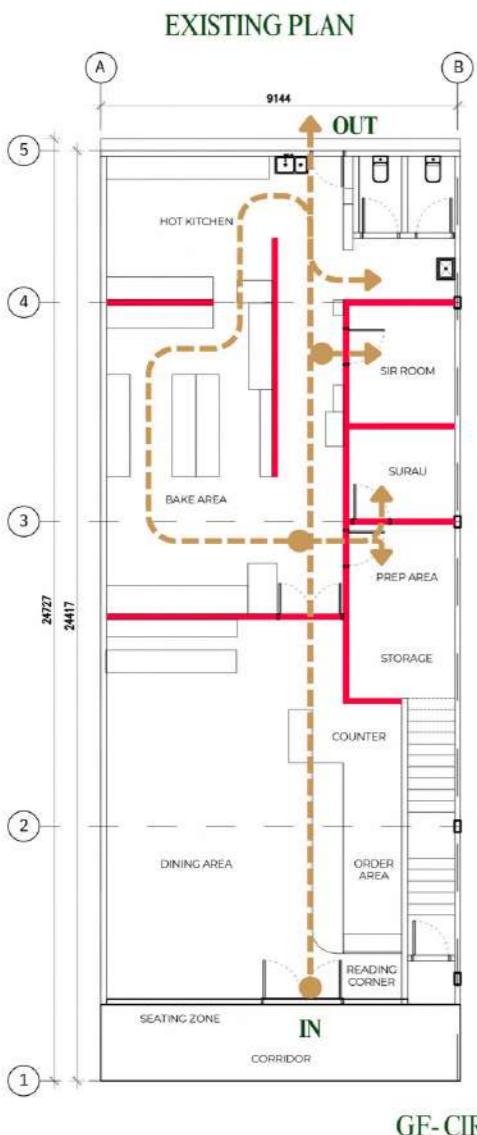
Melaka



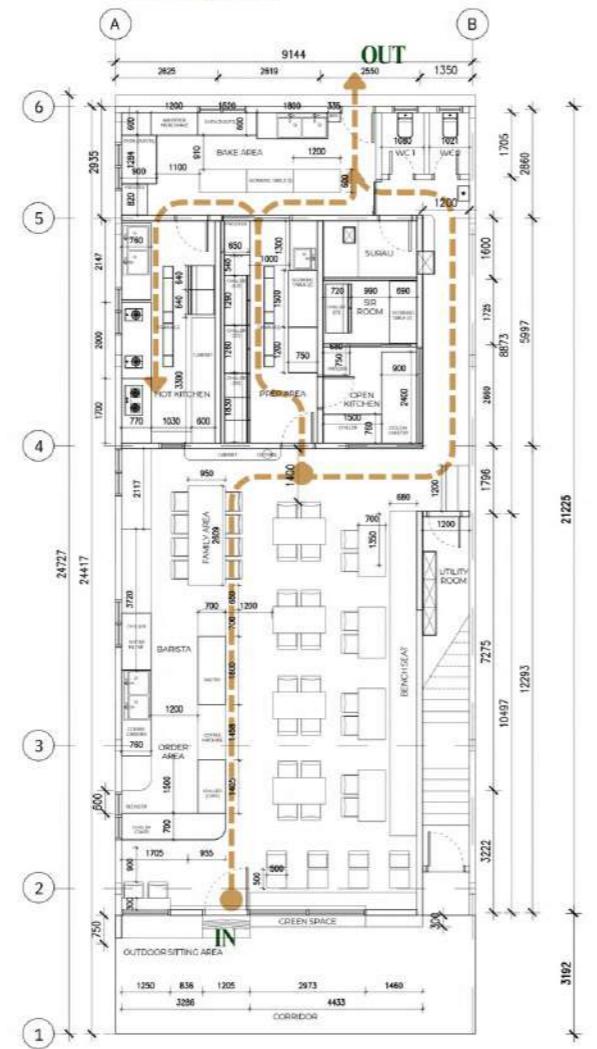
FRONT FACADE



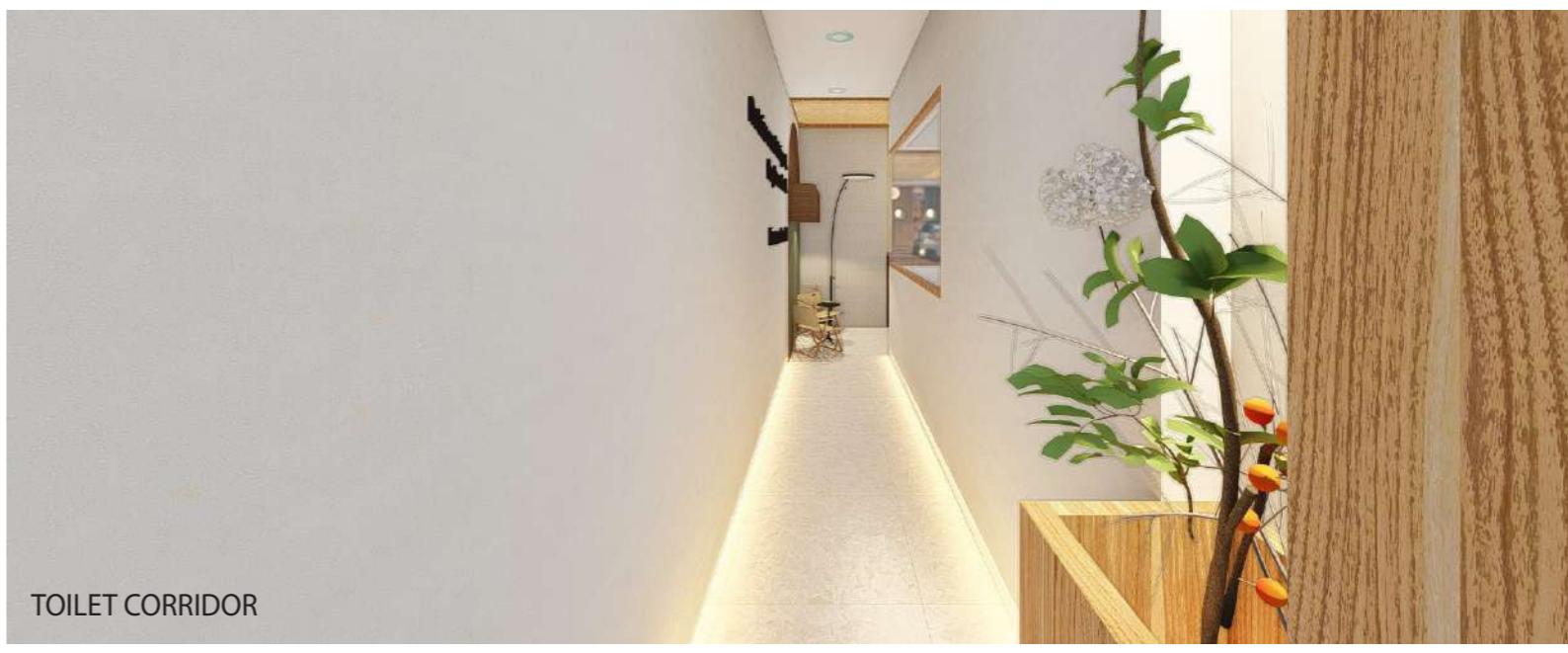
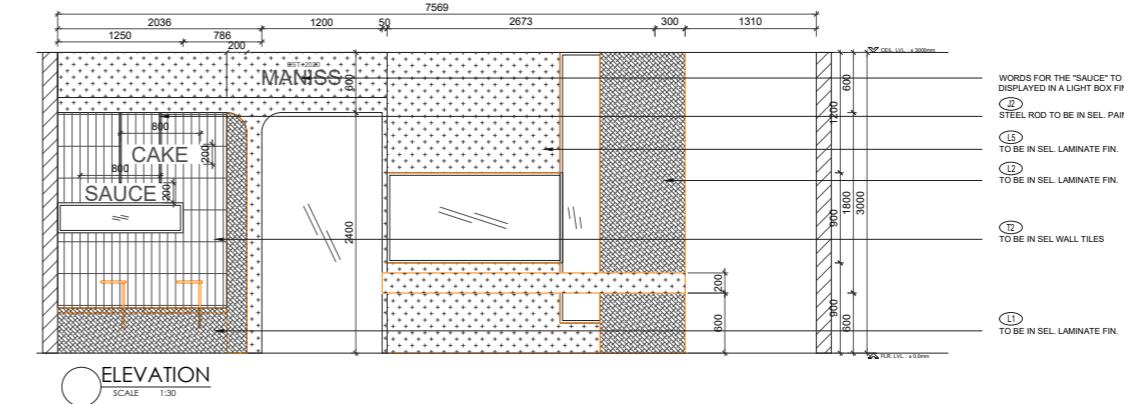
COUNTER DESIGN



PROPOSAL 2



GF-CIRCULATION



TOILET CORRIDOR



# 6 Interior Service Apartment | Double Storey House Render

Melaka



LIVING ROOM



FRONT FACADE



KITCHEN



LIVING ROOM



MASTER BEDROOM



LIVING ROOM



ES

Culture . Nature

Property of  
Elise Studio  
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