

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

Email: Elizabeth-0318@hotmail.com | +60-183155513 | LinkedIn: www.linkedin.com/in/zhi-wei0318

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 café'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



What are the choices does the society have?

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

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

51%

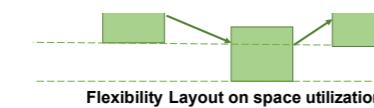
Move place very frequently

37%

Desire on having a good neighborhood

44%

Life Balancing



Seating Zone
Workshop Kiosk

Staggered to center platform
Leverage Connectivity
A Multifunctional environment
Placemaking



COMMUNITY

THE SOCIETY ??
WORKING PEOPLE + LOCAL RESIDENT

ISSUE

The declined of social cohesion among community
Social Dynamic

STRATEGY

Social Inclusivity + **Lifelong Learning**

QUESTION

MAINSTREAMING AWARENESS: What alternative living arrangements on future
SHARING: What are the links between the experience of sharing among community?
DESIGN: How can design respond to ecological concerns, foster contact between residents and surrounding?

CIRCULATION

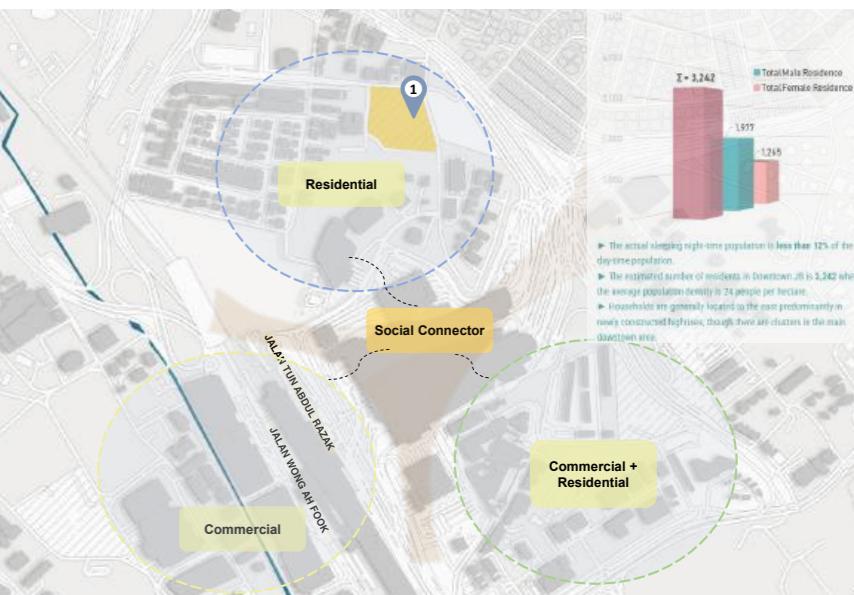
Sustainable Community
Community Garden
Community Plaza
Retail

Pivot point

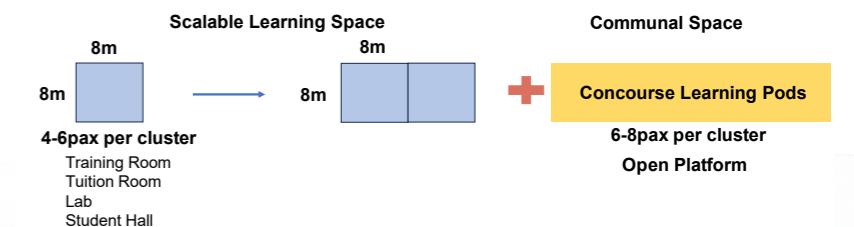
Pivot point to neighbourhood
Attracting community members to come together, fostering a sense of belonging, collaboration, and social cohesion.

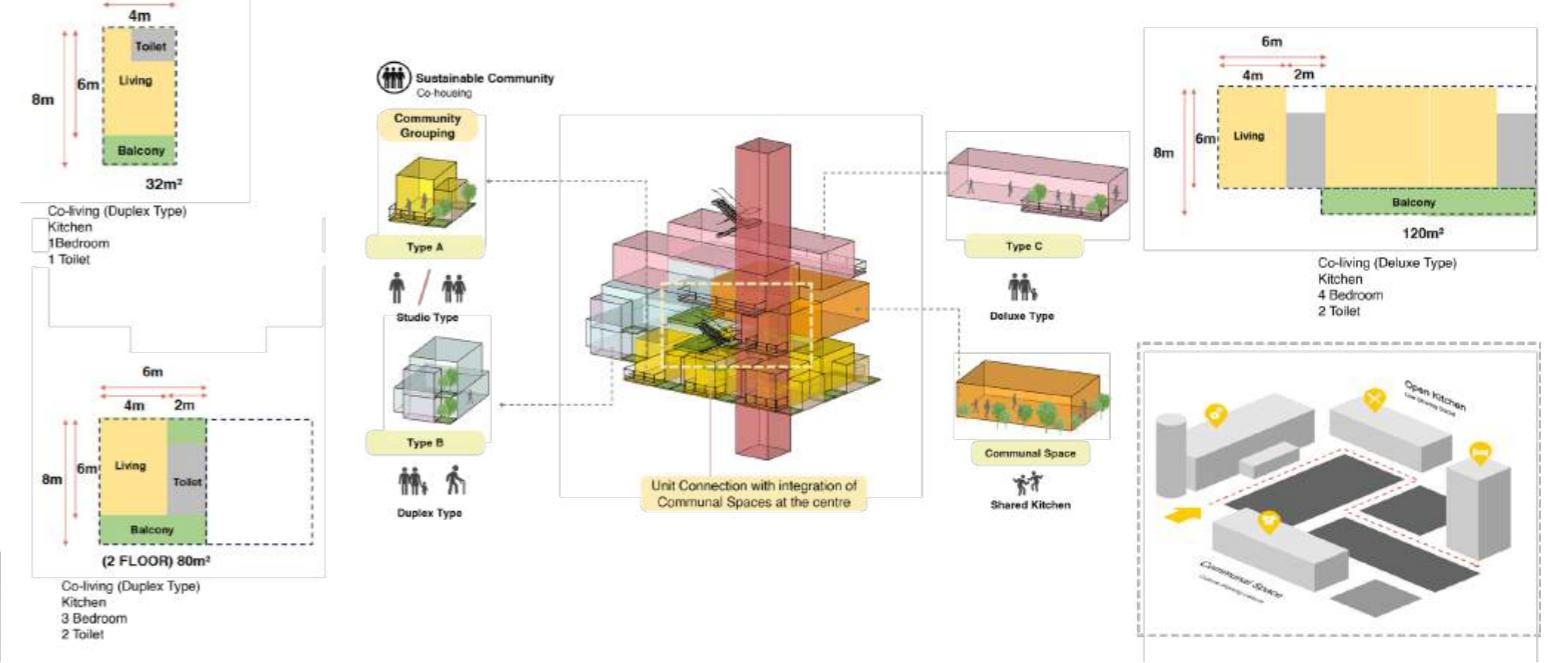
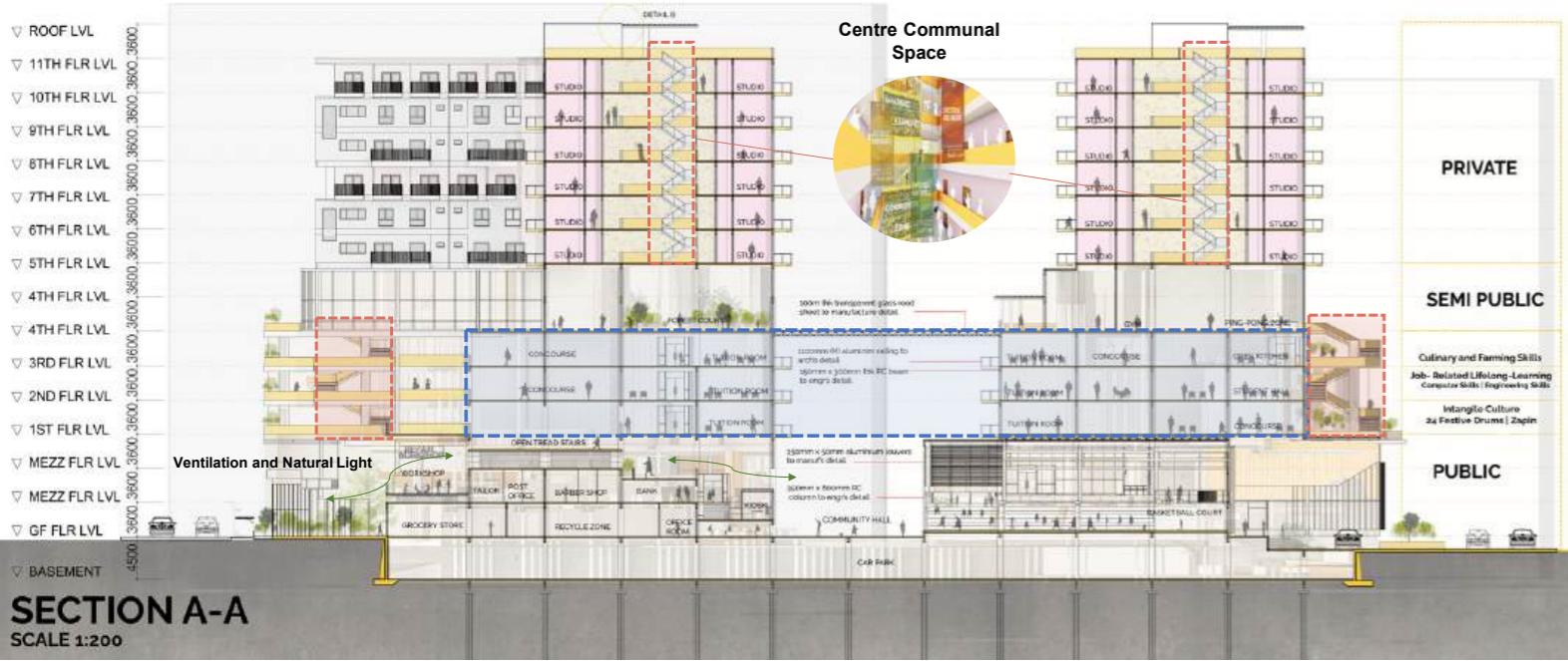
Sloped Landscape

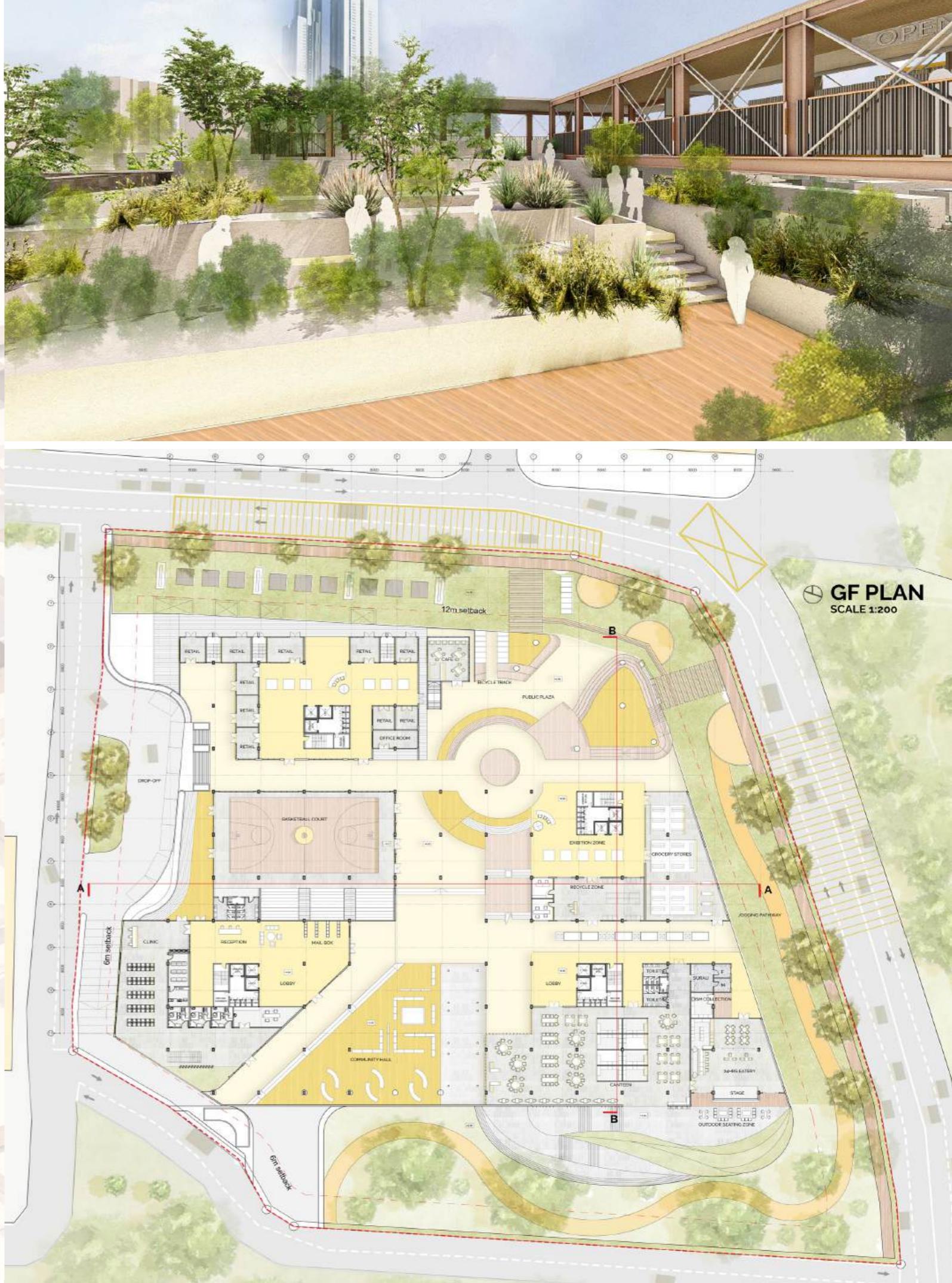
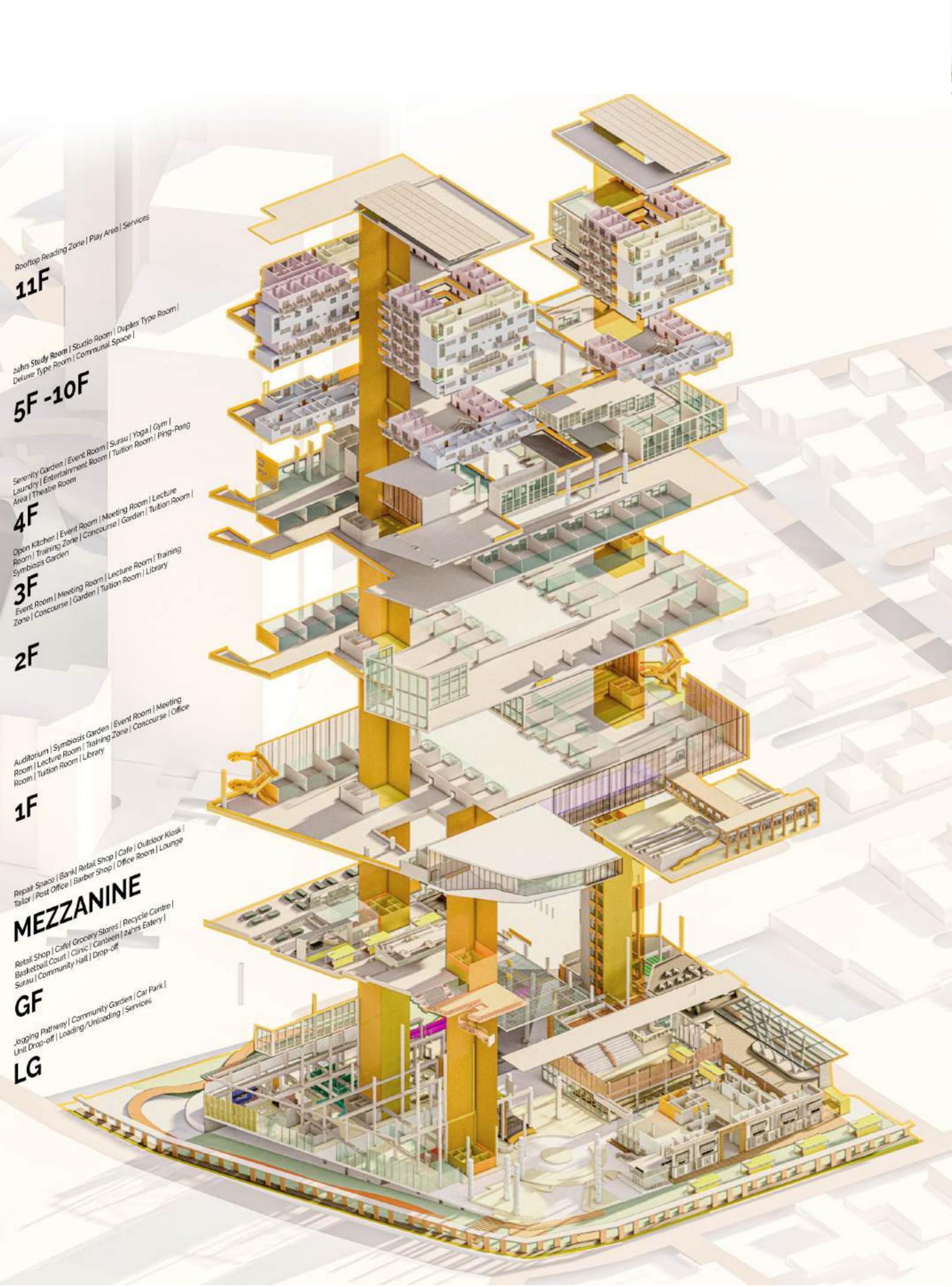
To better view point



NORTH ELEVATION
SCALE 1:200







2 Re. Urban KLCC Wellness Hub

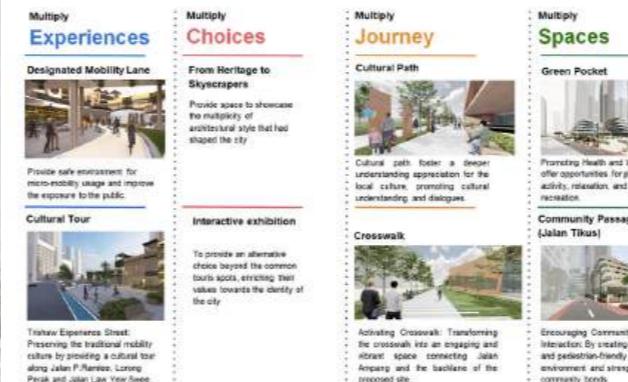
Jalan Mayang, Kuala Lumpur City Centre



MultipliCity

"MultiPiCity" 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.



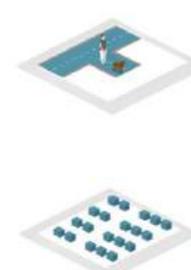
URBAN CHALLENGES



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

CONSUMER PREFERENCES

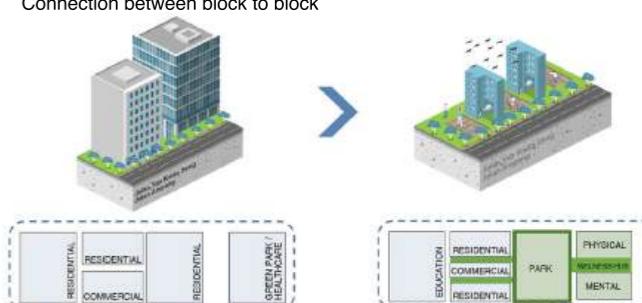
People tends to involve more in mental health and understand more on the importance of wellness.



ACCESSIBILITY
Difficulty to traverse through the area due to high dense urban planning.

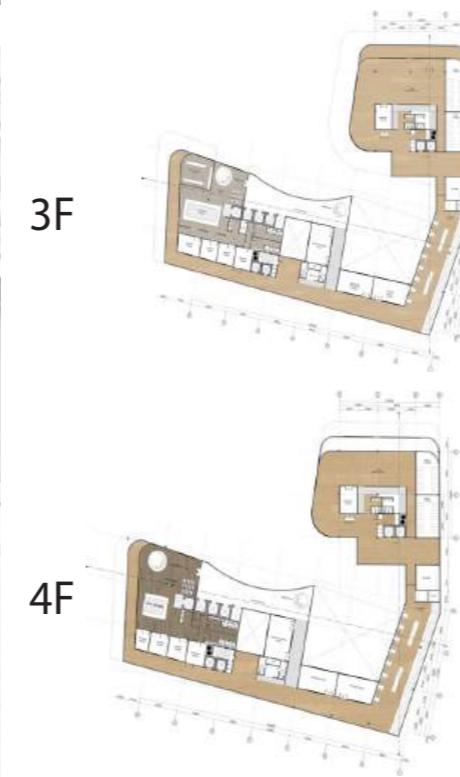
SPACE EFFICIENCY

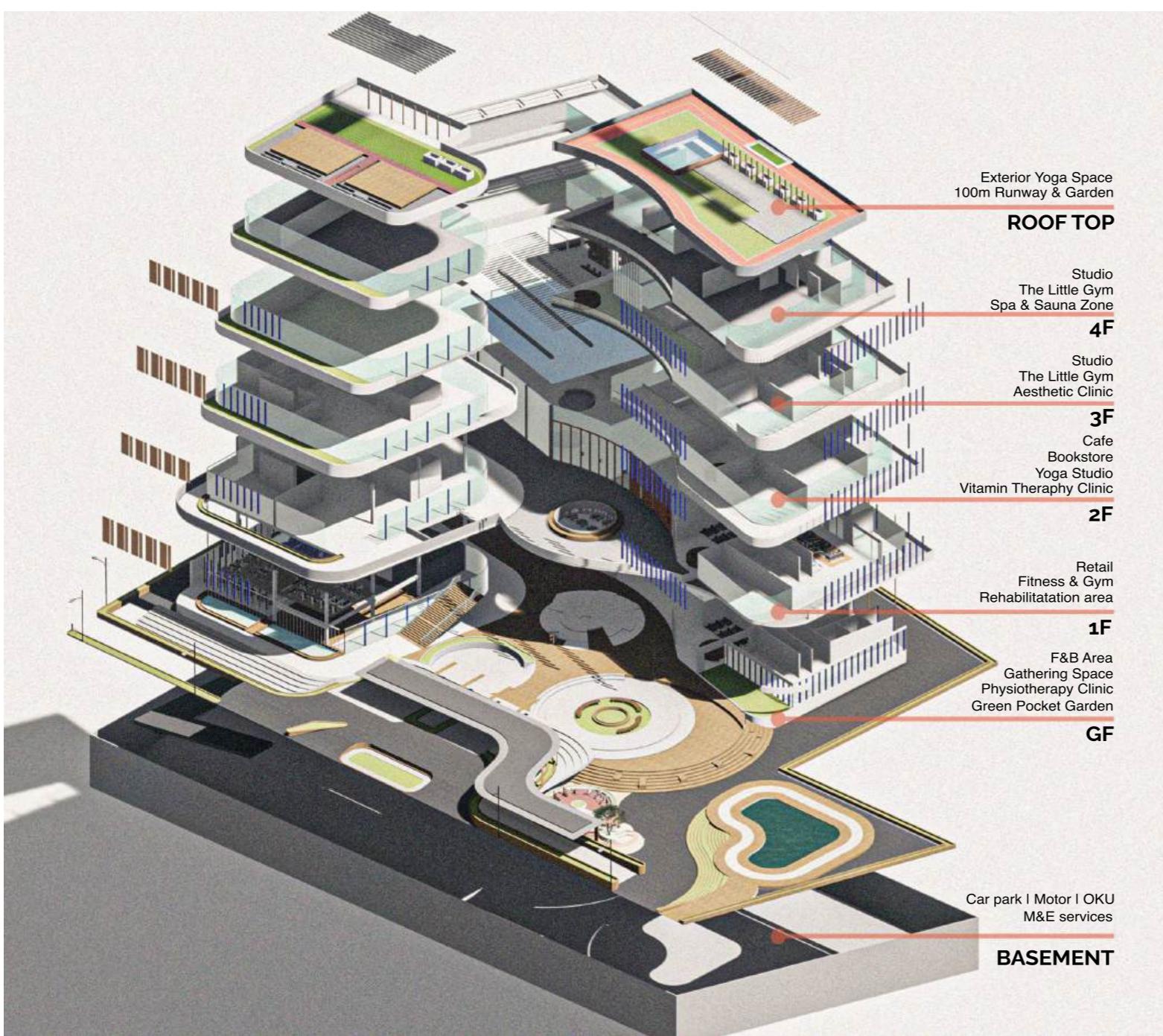
The demands of multi-purpose space function and creative layout designs.



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

FRONT ELEVATION



REAR ELEVATION

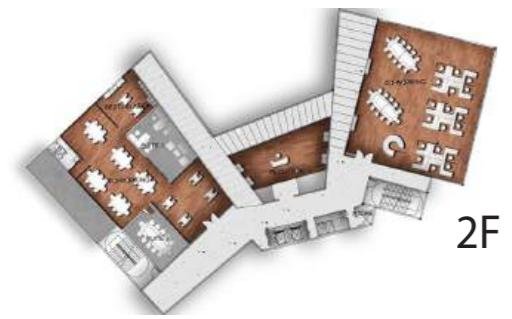




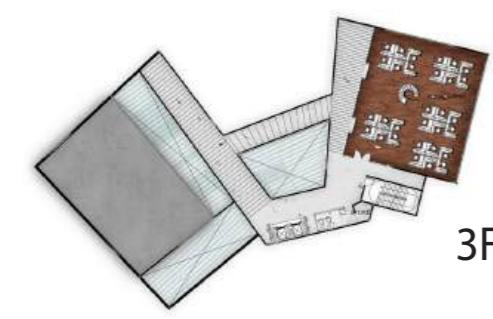
GF



1F



2F



3F



LEFT ELEVATION

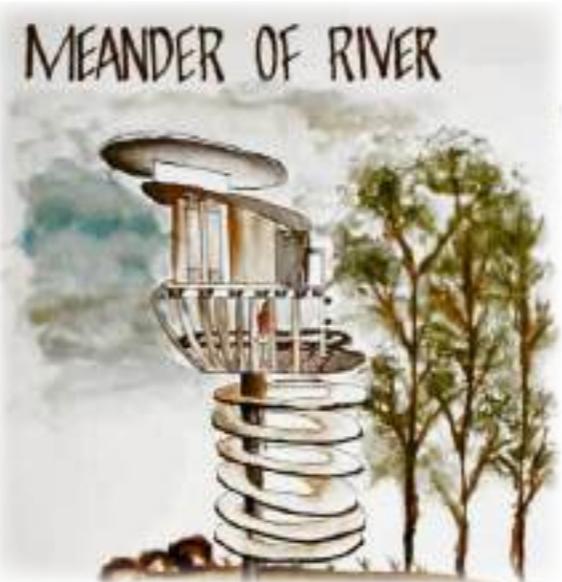


RIGHT ELEVATION



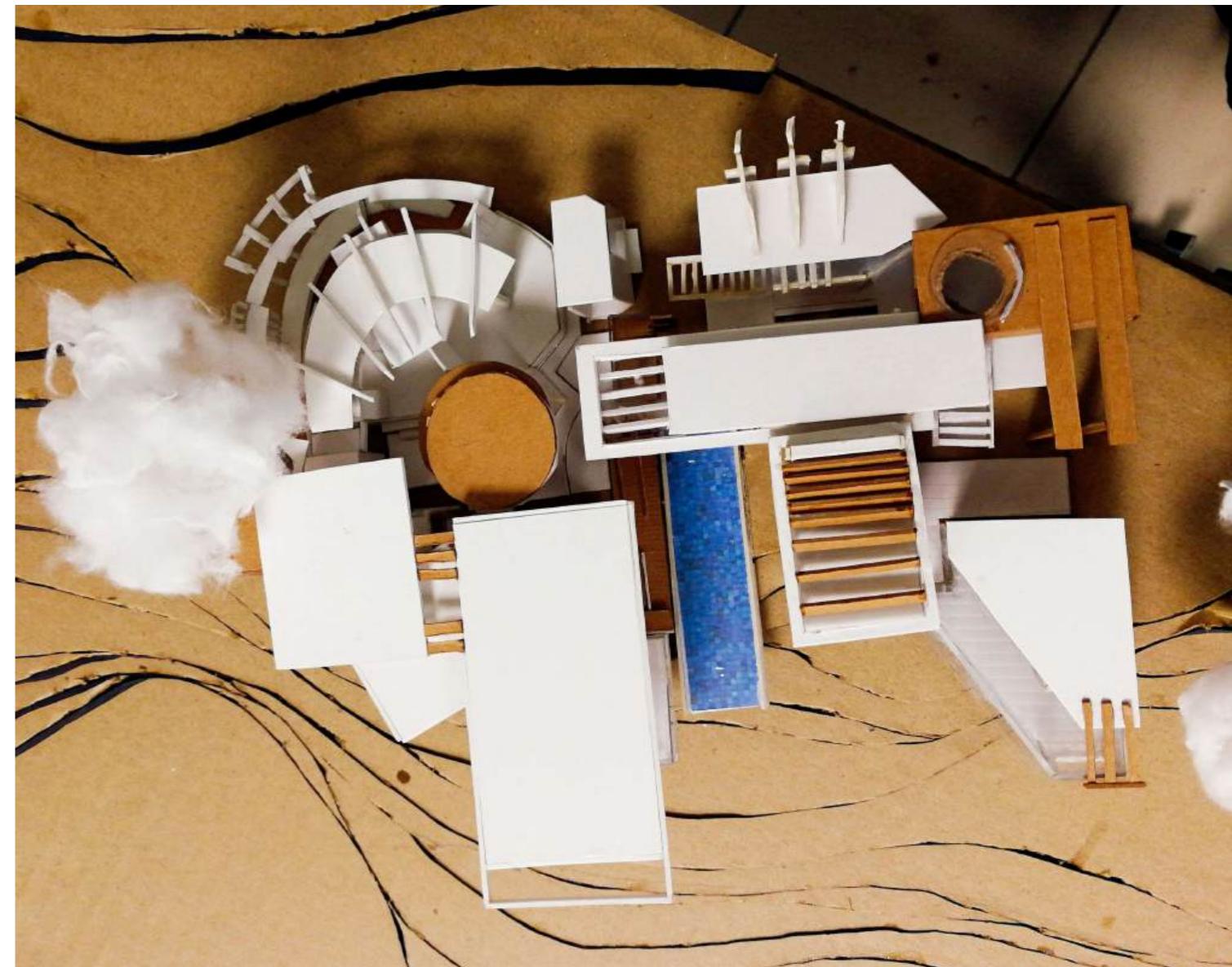
4 Tower Design | Ranger Station

Hulu Langat, Selangor



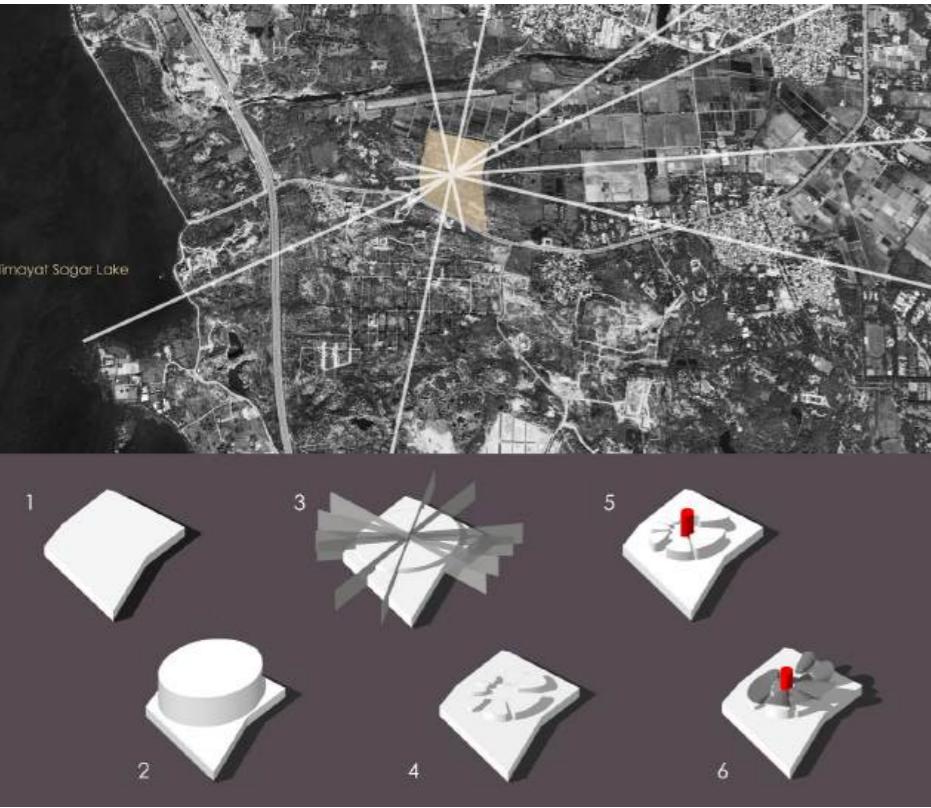
5 Pulau Sah Kecil Chalet

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 a closed bud to quarter open to half open to three quarters open, reflecting the various stages in time

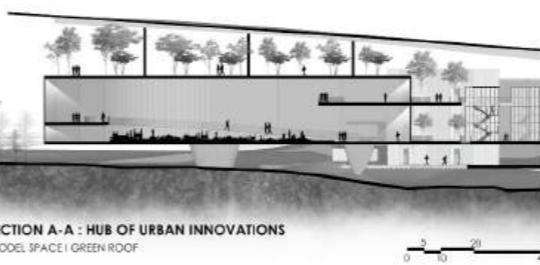
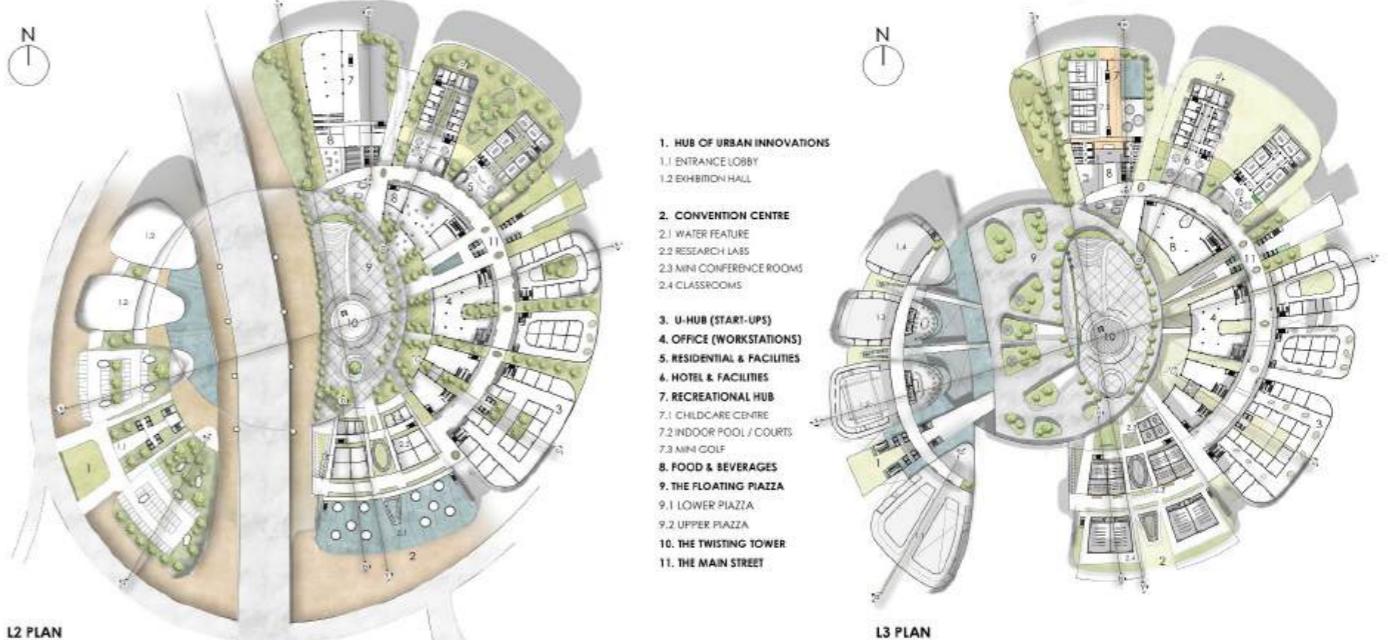
The FINALE that spectacular glory at full opening of the inspiring splendour of a lotus's sacredness that extends its iridescence far out and radially.



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).





L1 PLAN

M&E SERVICES

1. DISTRICT COOLING SYSTEM
2. ELECTRICAL SUB-STATION YARD
3. SEWAGE TREATMENT PLANT -01 (UNDERGROUND)
4. PUMP HOUSE -01 (UNDERGROUND)
5. PUMP HOUSE -02 (UNDERGROUND)
6. SEWAGE TREATMENT PLANT -02 (UNDERGROUND)
7. UNDERGROUND RAW WATER STORAGE TANK
8. PUMP HOUSE -01 (UNDERGROUND)
9. OUTDOOR CLASSROOMS
10. SURFACE CAR PARK
11. MECHANICAL CAR PARK

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:



SUSTAINABILITY, ECOLOGICAL & GREEN CONCEPT

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

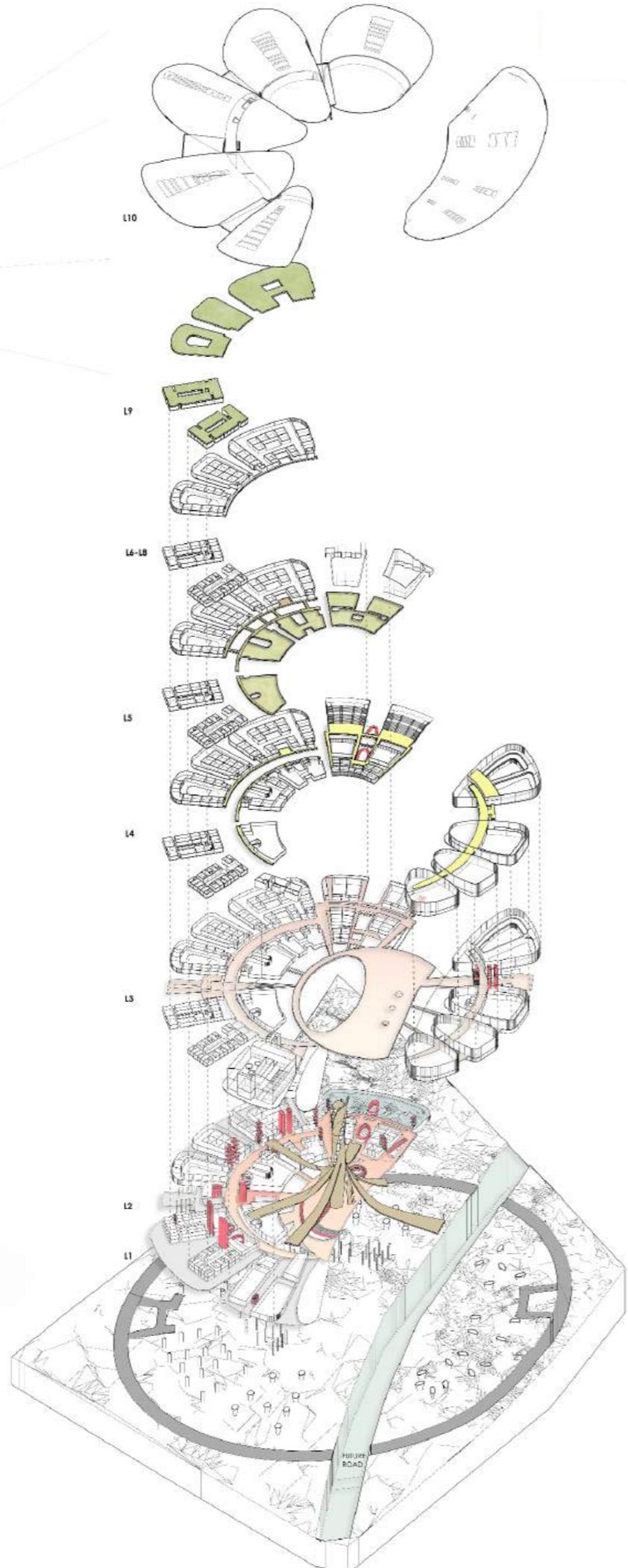
CONCLUSION

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



NORTHERN VIEW FROM FUTURE ROAD



UPPER PIAZZA VIEW WITH WATER FEATURE

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.

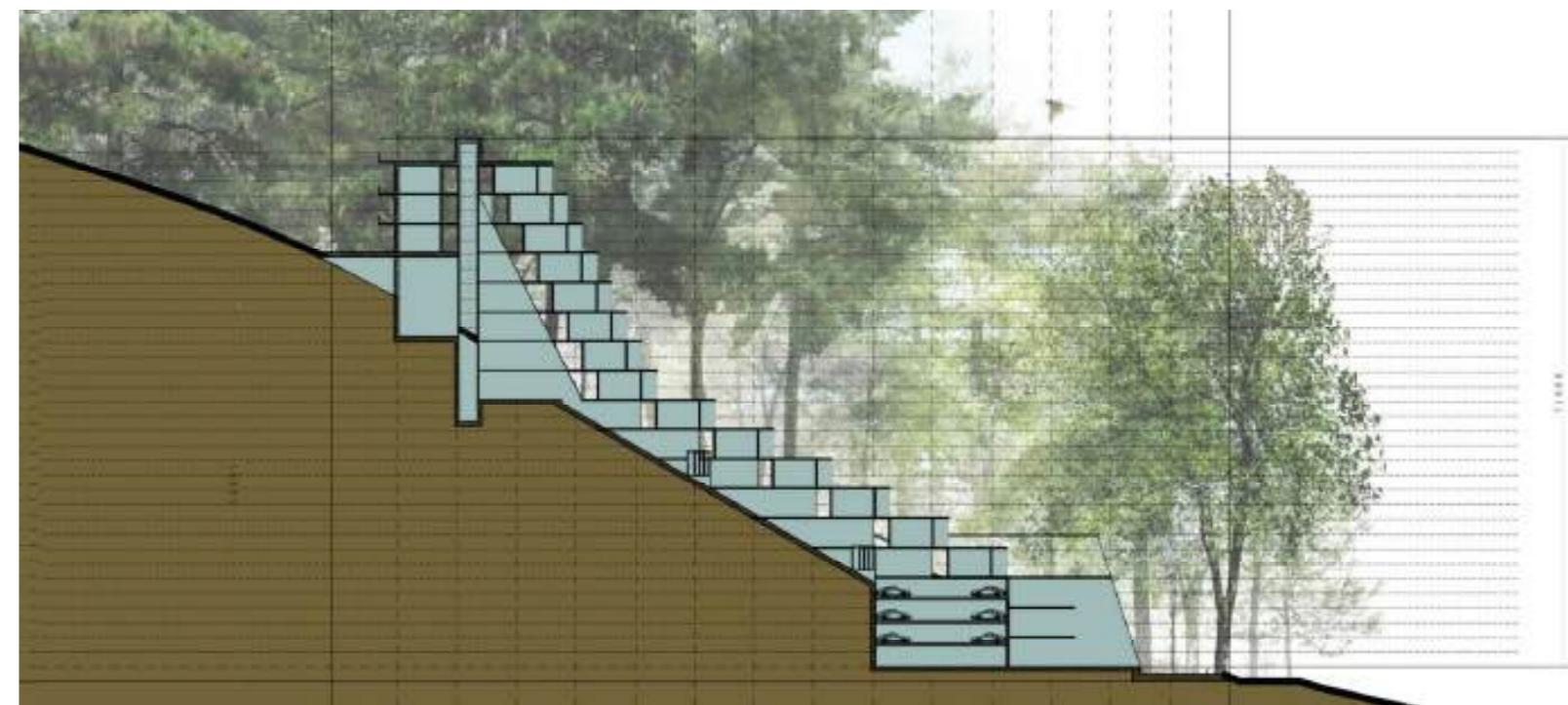
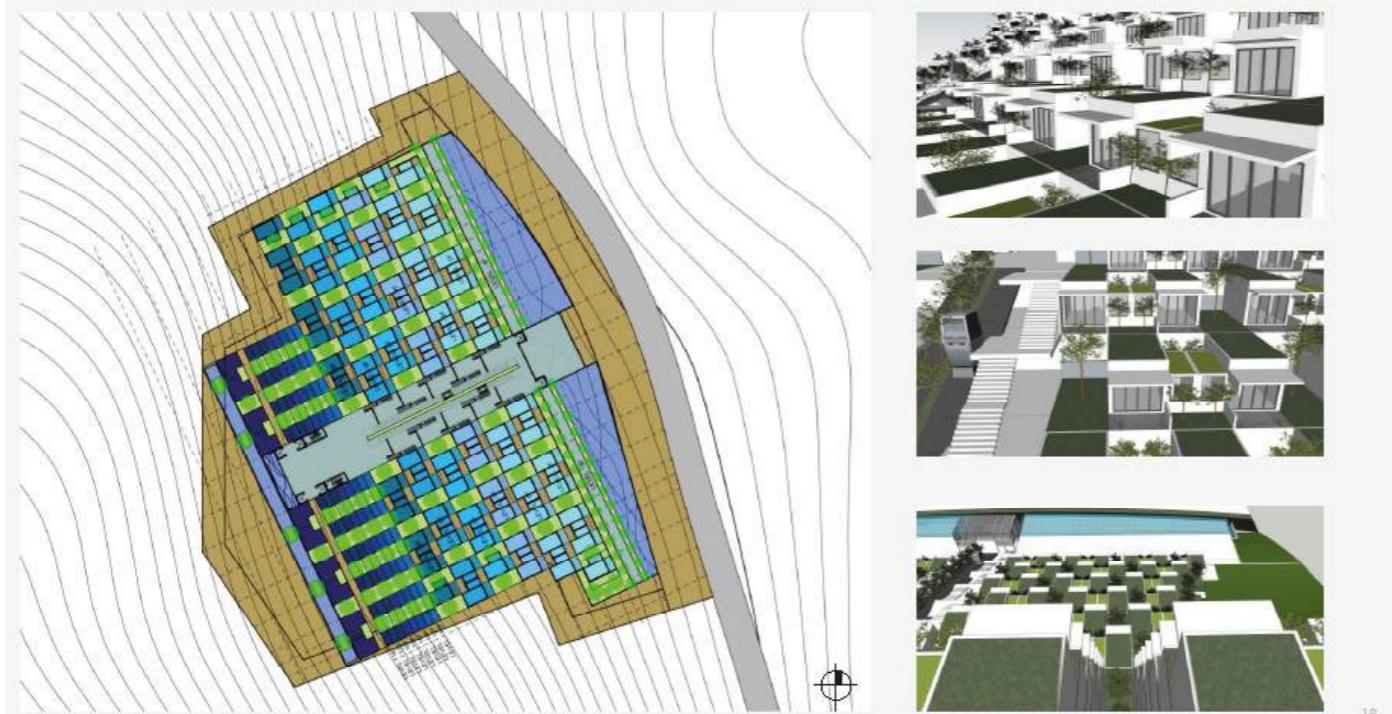
-patina

-red in the old revolutionary area

-green in the vegetable area

BUILDING AREA INDEX 建築面積指標統計表				
層級 LEVEL	全戶 WALKWAY	合建面積(平方米) (GFA, sq.m)	每戶數量(戶) (#H)	每戶平均面積 (P) CAR PARK
第一層 LEVEL 1	大廳, 餐廳, 雜貨店, 大廳 GYM, RESTAURANT, RETAIL, MALL	2,420 sq.m		12戶 (每戶面積約200平)
第二層 LEVEL 2	大廳, 餐廳, 雜貨店, 運動場, 電梯廳 GYM, RESTAURANT, RETAIL, PARK & AREA/C	2400sq.m + 3,170 sq.m (C) + 8,100 sq.m		12戶 (每戶面積約200平)
第三層 LEVEL 3	大廳, 電梯廳 GYM, ELEVATOR HALL	3,420 sq.m		12戶
第四層 LEVEL 4	房間, 庭園 HOTEL ROOM, GARDEN	560sq.m + 700sq.m + 1,240sq.m	12戶	
第五層 LEVEL 5	房間, 庭園 HOTEL ROOM, GARDEN	550sq.m + 480sq.m + 1,200sq.m	12戶	
第六層 LEVEL 6	房間, 庭園 HOTEL ROOM, GARDEN	550sq.m + 480sq.m + 1,160sq.m	12戶	
第七層 LEVEL 7	房間, 庭園 HOTEL ROOM, GARDEN	480sq.m + 480sq.m + 1,060sq.m	12戶	
第八層 LEVEL 8	房間, 庭園 HOTEL ROOM, GARDEN	550sq.m + 700sq.m + 1,240sq.m	12戶	
第九層 LEVEL 9	房間, 庭園 HOTEL ROOM, GARDEN	550sq.m + 480sq.m + 1,200sq.m	12戶	
第十層 LEVEL 10	房間, 庭園 HOTEL ROOM, GARDEN	480sq.m + 480sq.m + 1,060sq.m	12戶	
第十一層 LEVEL 11	主廚餐廳, 廚房, 庭園 KITCHEN, HOTEL ROOM, GARDEN	400sq.m + 4,400sq.m + 1,000sq.m	10戶	
第十二層 LEVEL 12	房間, 庭園 HOTEL ROOM, GARDEN	550sq.m + 700sq.m + 1,240sq.m	10戶 (合總計) + 12戶 + 10戶	
第十三層 LEVEL 13-18	房間, 庭園 HOTEL ROOM, GARDEN	160sq.m + 2,472sq.m	20戶 (合總計) + 12戶 + 10戶	
整體 GRAND TOTAL	整體面積 (各樓層面積) 總建築面積 (各樓層面積)	27,367 sq.m 30,157 sq.m	合計戶數 - 124戶	合計面積 (124戶)

TYPICAL FLOOR PLAN 典型單位 平面圖



6 Resort Proposal

Pantai Klebang, Melaka

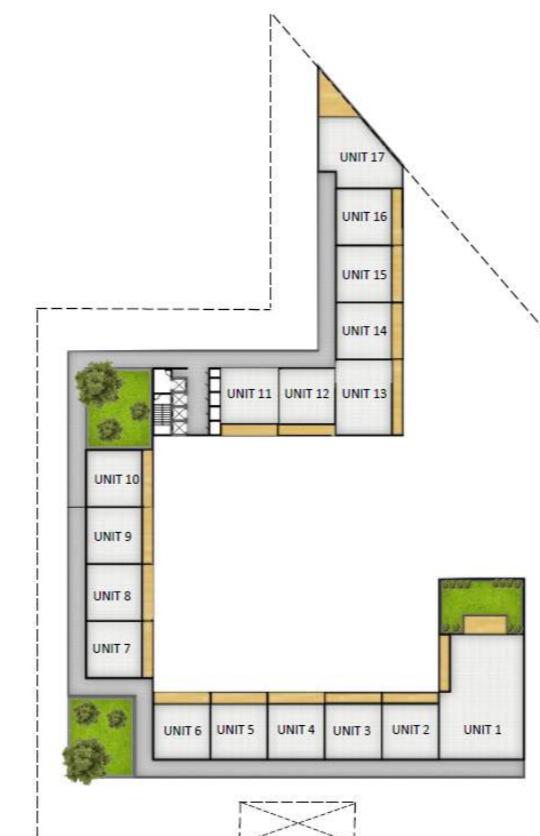
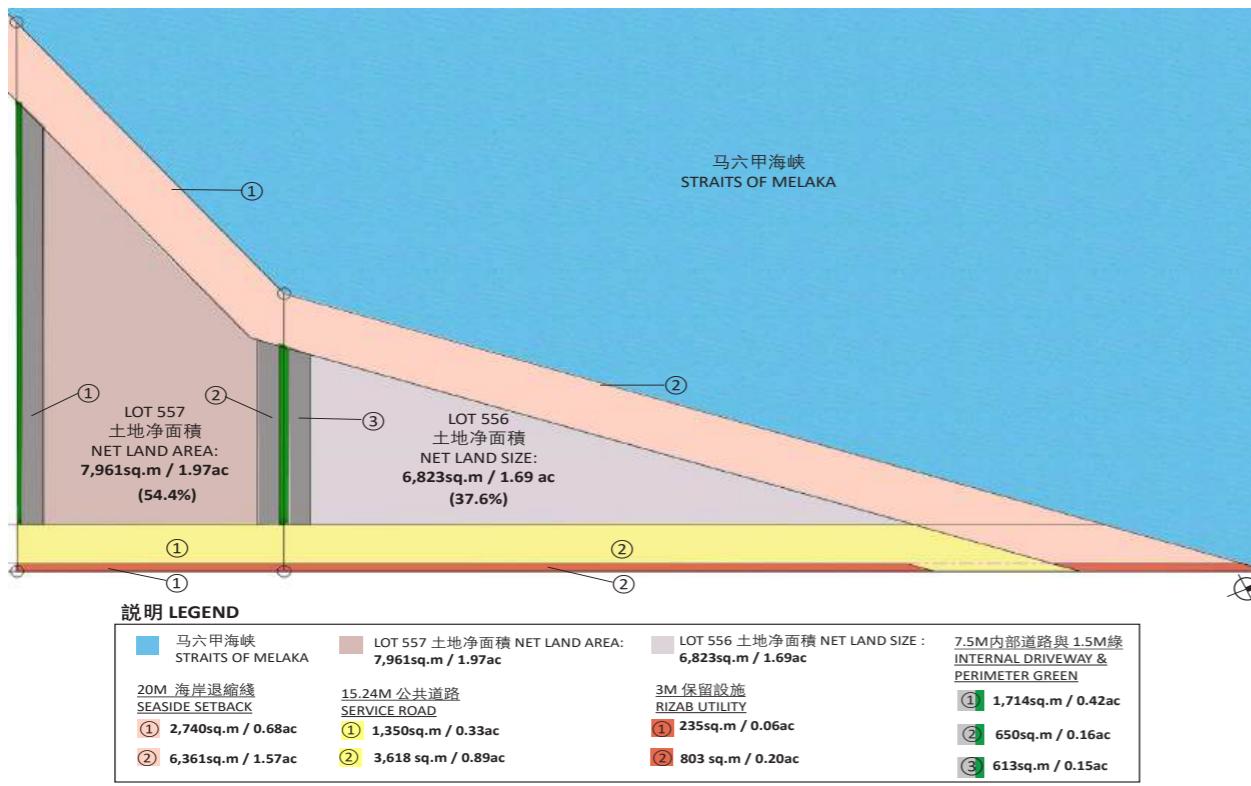
Office Proposal

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





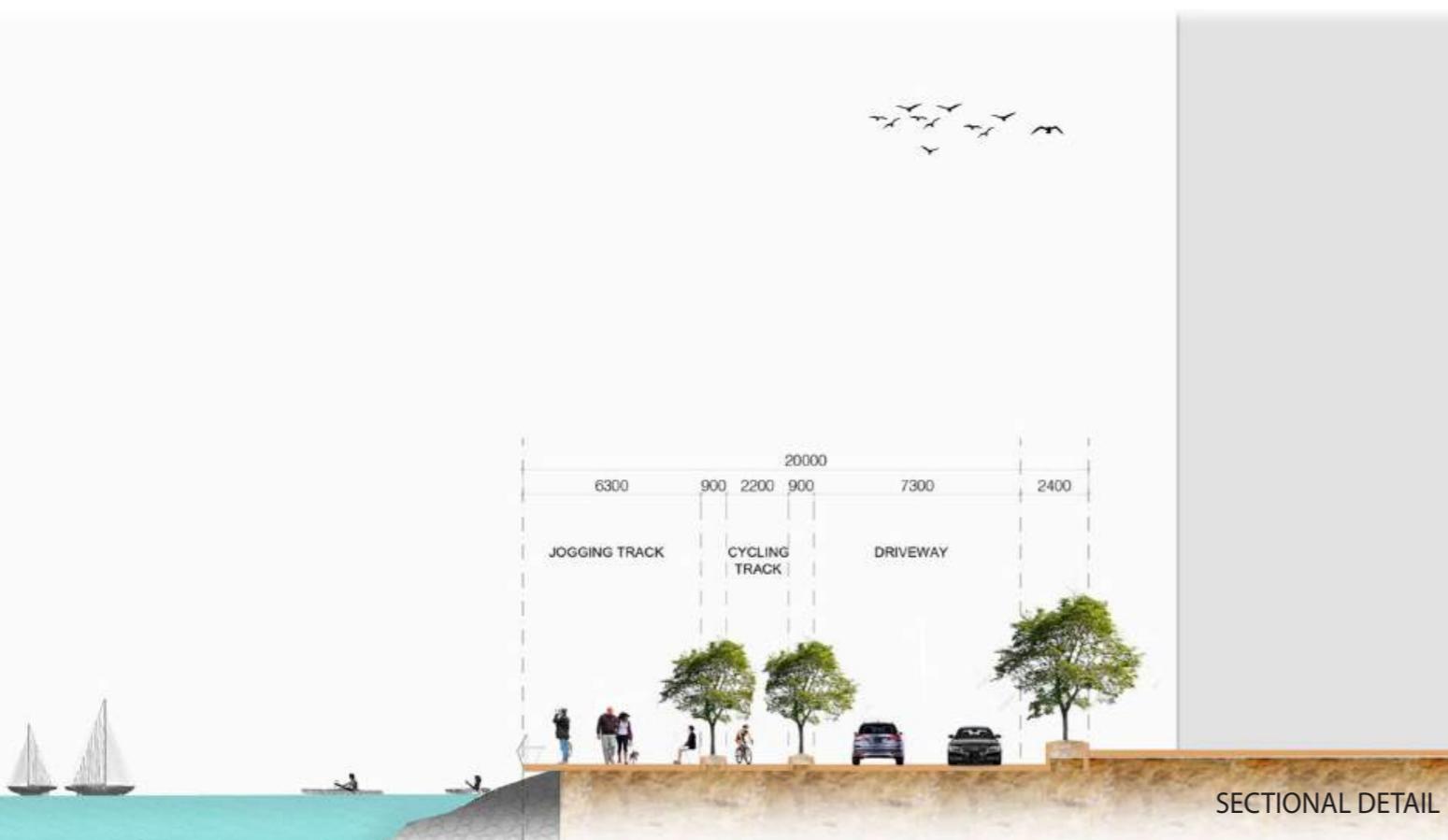
A 餐館，咖啡廳
RESTAURANT, CAFE

B 餐館，咖啡廳
RESTAURANT, CAFE

C 售賣亭
KIOSK

D 海鮮餐館
SEAFOOD
RESTAURANT

E 花園
GARDEN

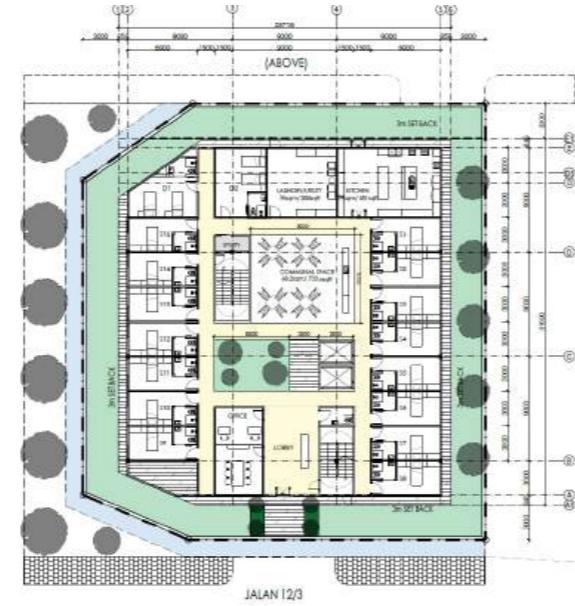


6 Nursing Home & Clinical Proposal

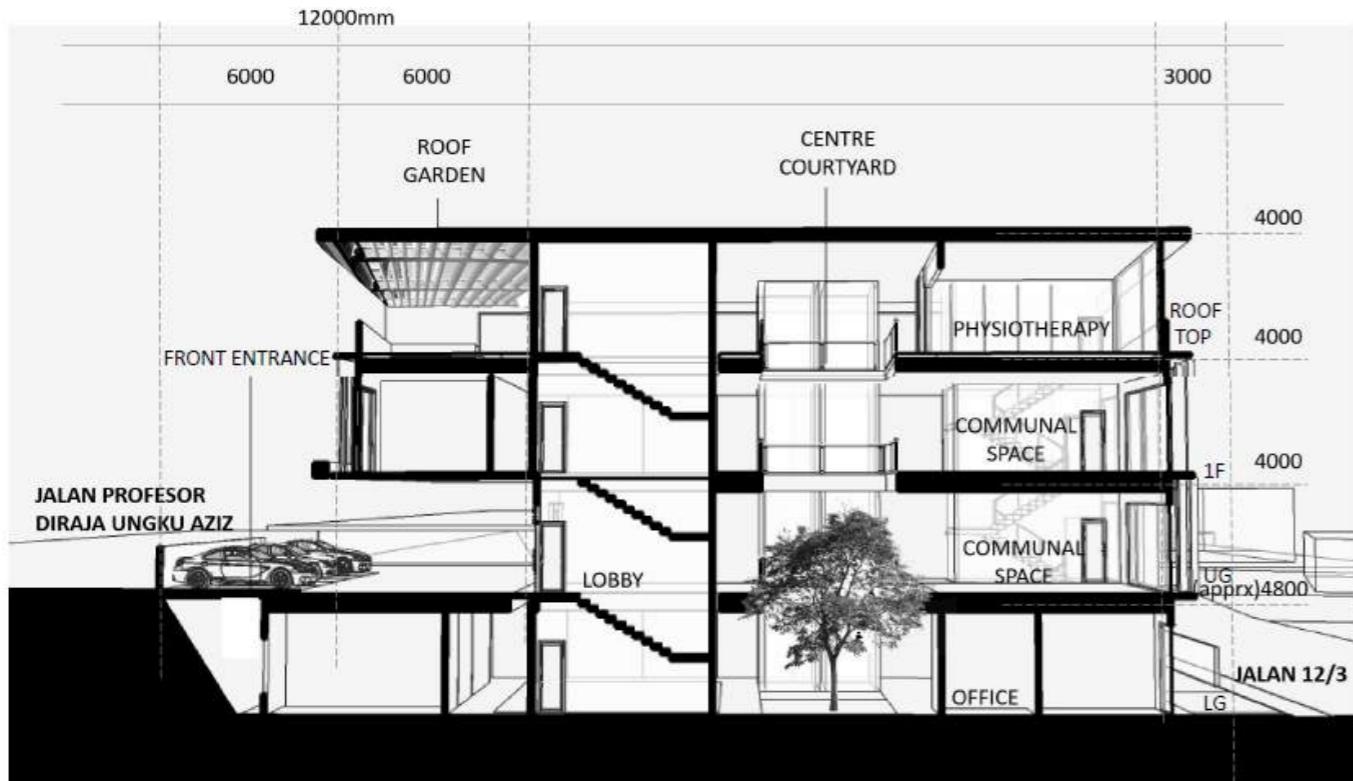
Jalan University, Petaling Jaya, Selangor (2021)



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



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

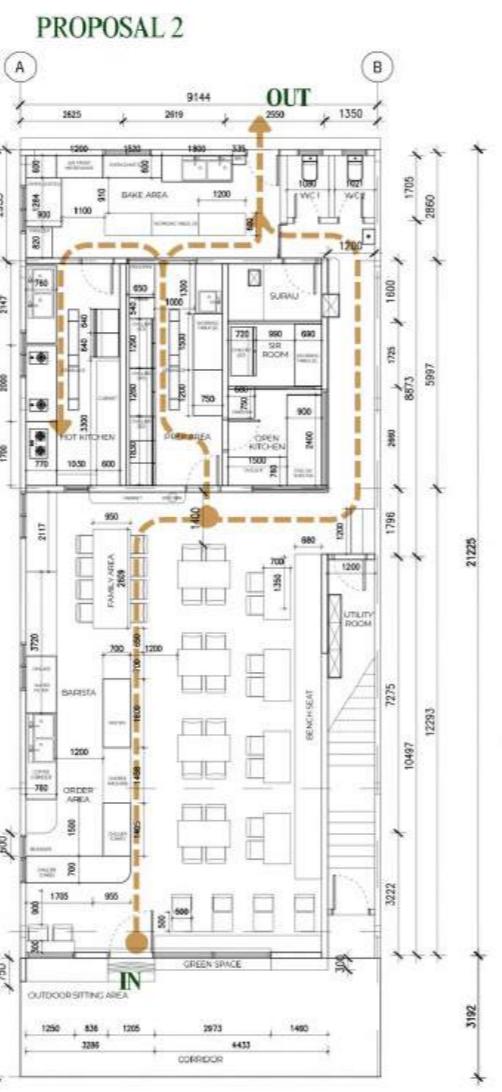
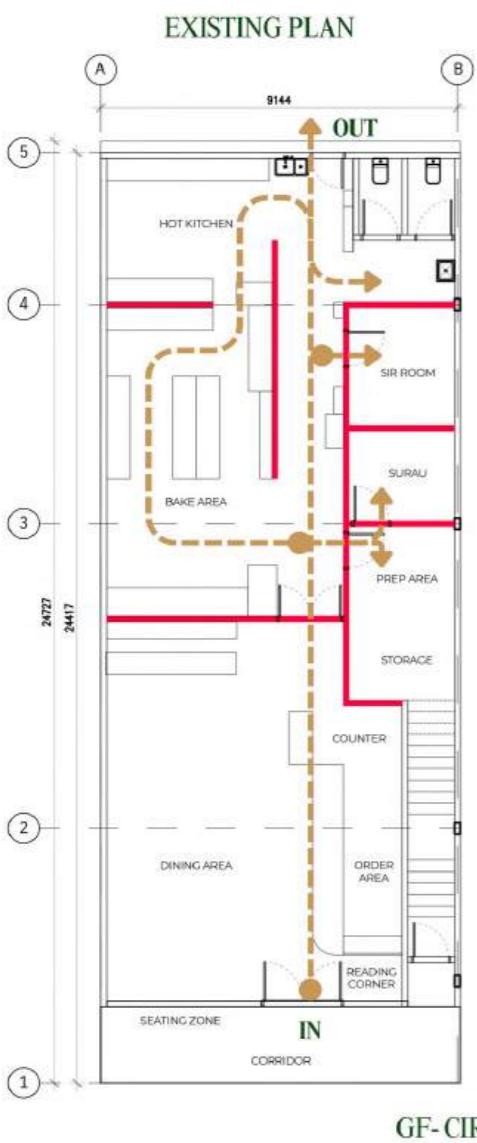
Melaka



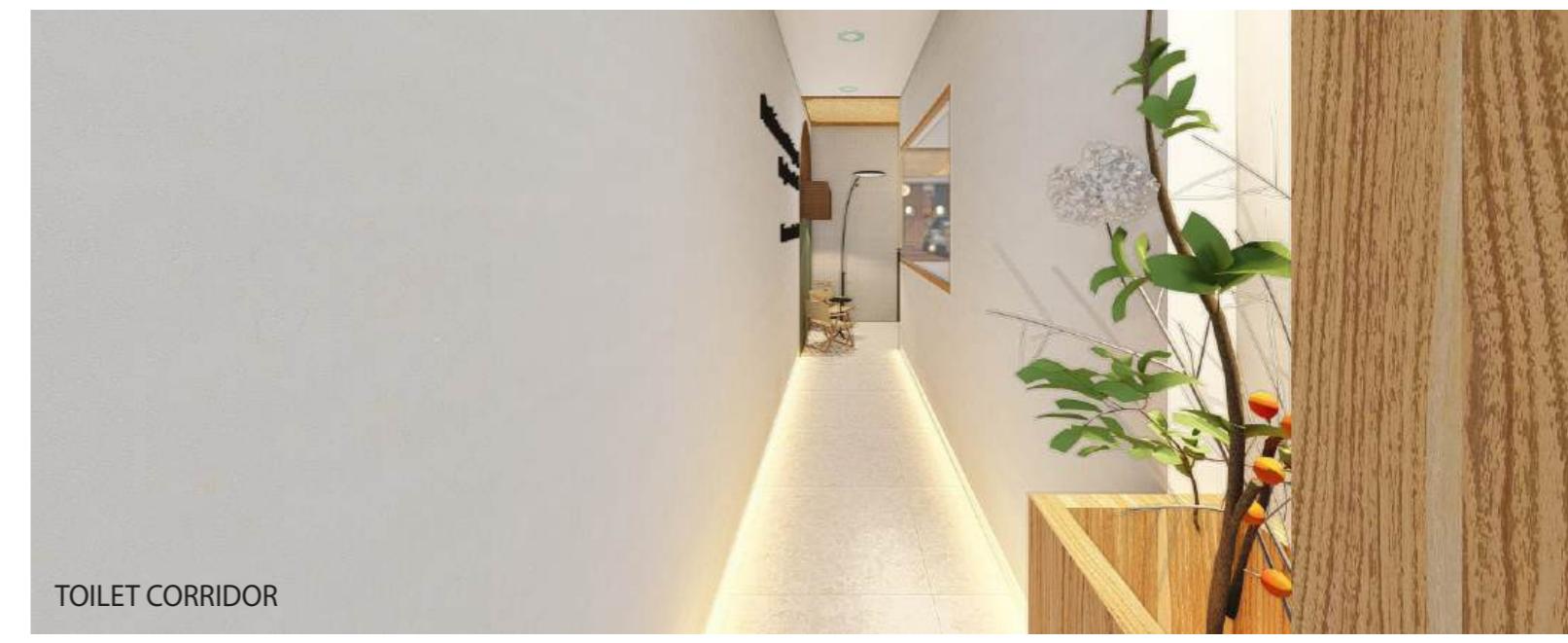
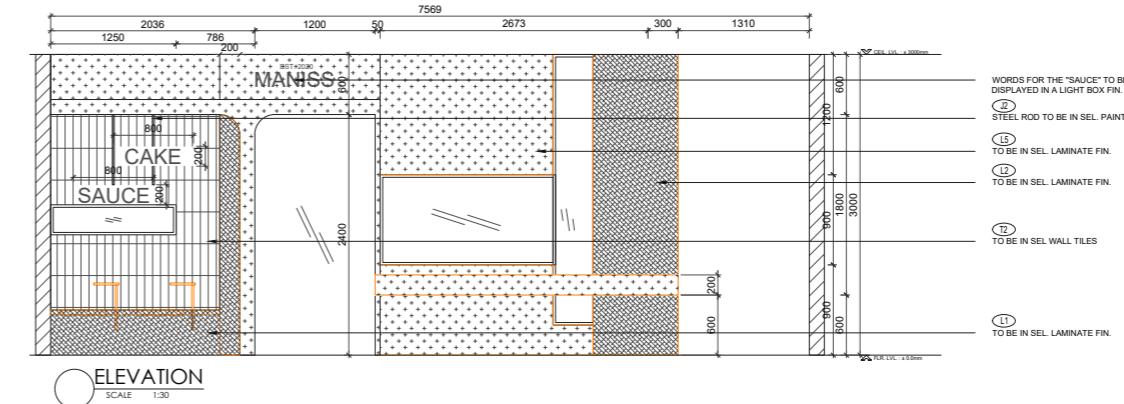
FRONT FACADE



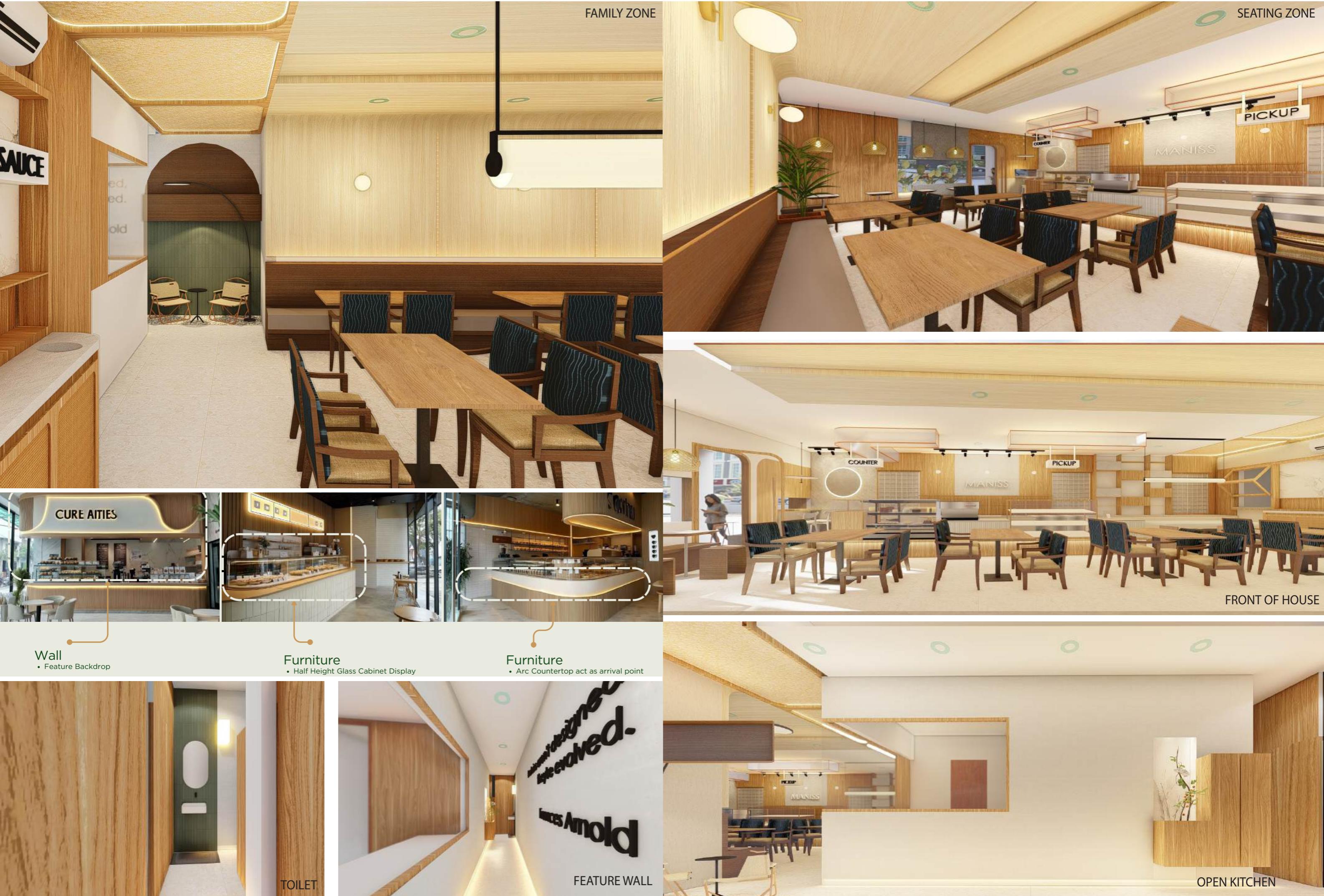
COUNTER DESIGN



GF-CIRCULATION



TOILET CORRIDOR



6 Interior Service Apartment | Double Storey House Render

Melaka





ES

Culture . Nature

Property of
Elise Studio
00240025001