

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

**Bachelor of Science (Honours) Architecture** Jan 2018 - Oct 2020  
Universiti Tunku Abdul Rahman, UTAR

### 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 Relaksasi Seratus 100 Exhibition
- Bronze Award of 2020 Architecture Degree Final Year Project Competition
- Secretary Head of 2019 Architecture Student Workshop 2019 (PAM) – xx@myula

### 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 Suh Kecil Chalet:** Conceptualized eco-sensitive hospitality design responding to island's natural context.



## PROJECT MAPPING

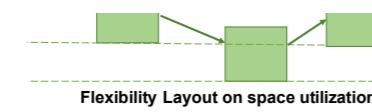
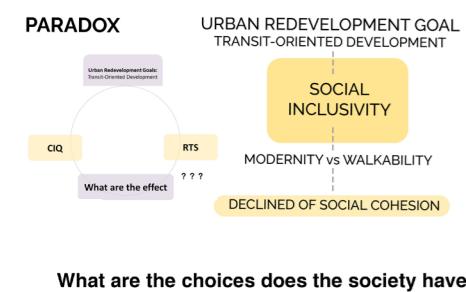
- 1** Adult Lifelong Learning Hub  
(Finalist Pam Refleksi Seratus 2024)  
Jalan Bukit Chagar, Johor Bahru City Centre
- 2** Re. Urban KLCC Wellness Hub  
Jalan Mayang, Kuala Lumpur City Centre
- 3** Hive Hub  
(FYP Bronze Award)  
Jalan Meru, Kajang
- 4** Tower Design, Ranger Station  
Hulu Langat,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

1

# Adult Lifelong Learning Hub

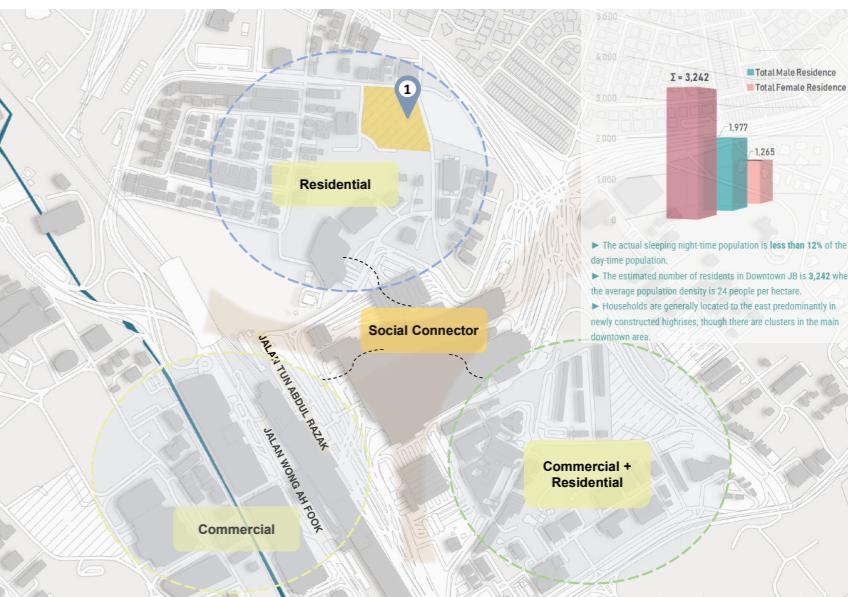
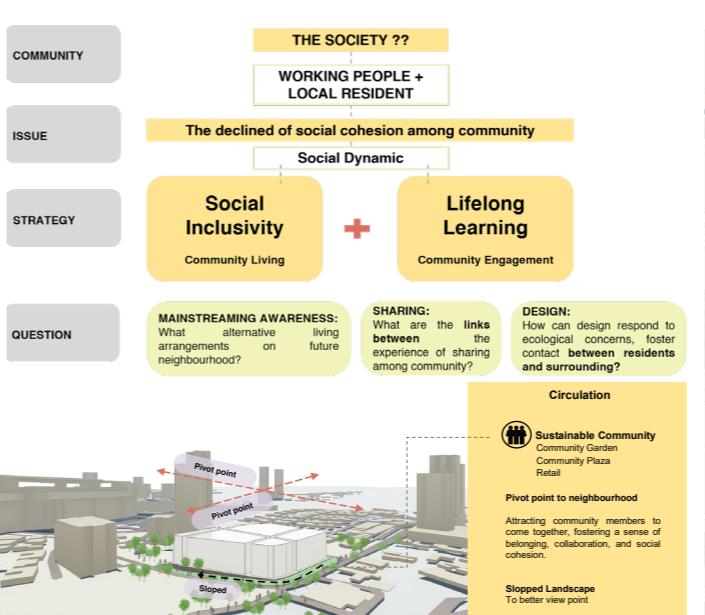
Jalan Bukit Chagar, Johor Bahru City Centre



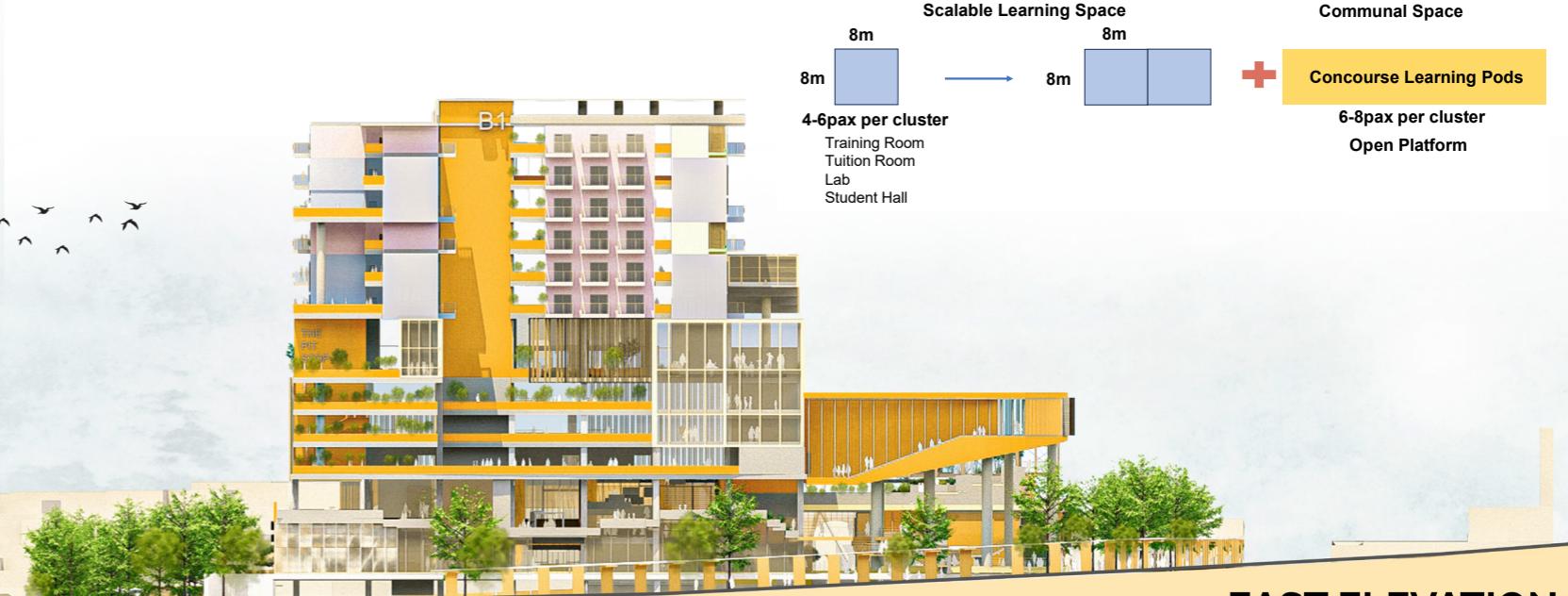


Seating Zone  
Workshop Kiosk

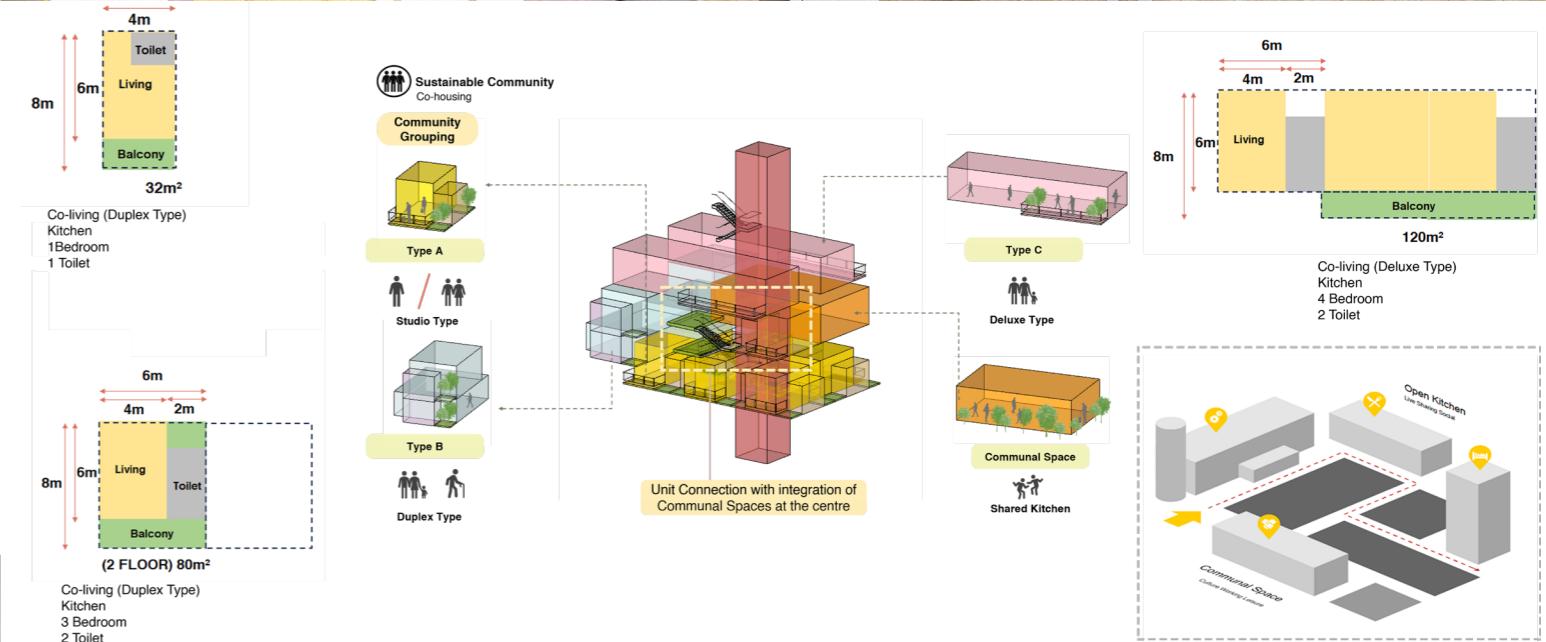
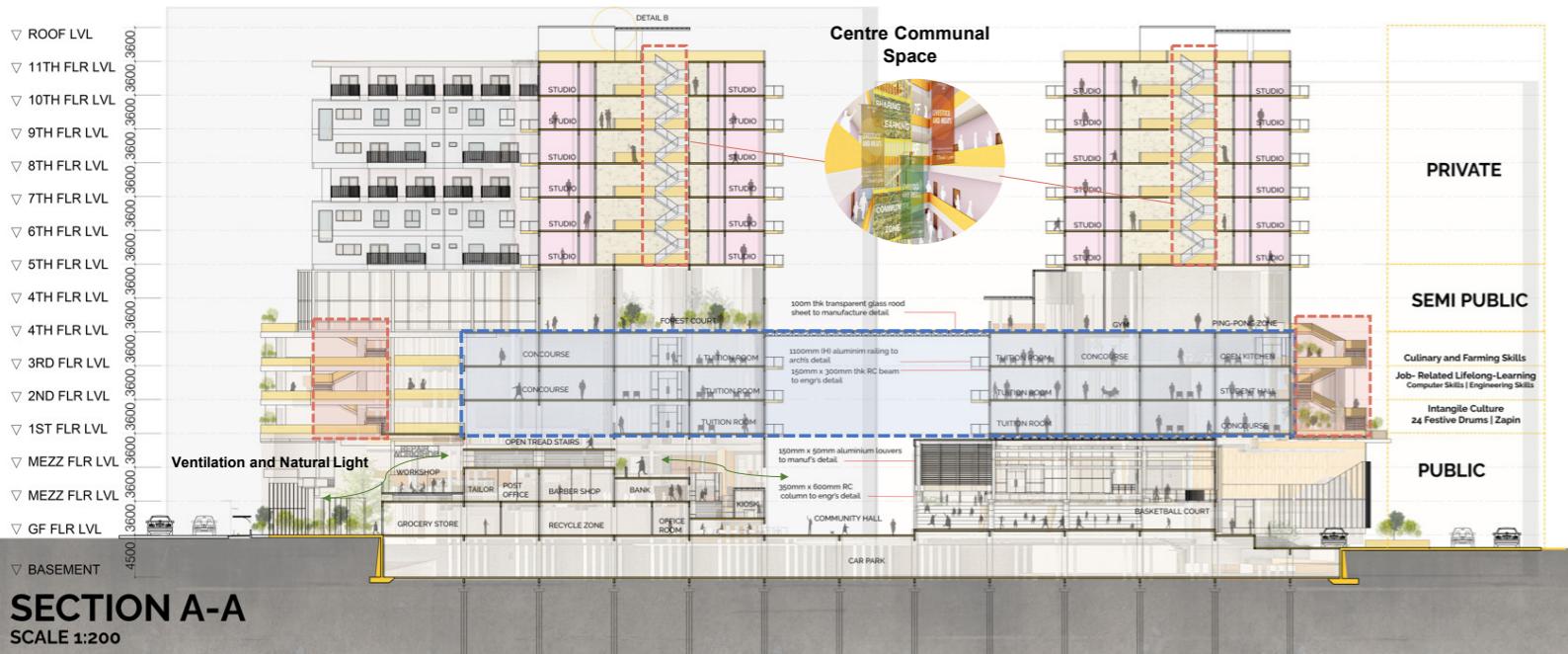
Staggered to center platform  
Leverage Connectivity  
A Multifunctional environment  
Placemaking

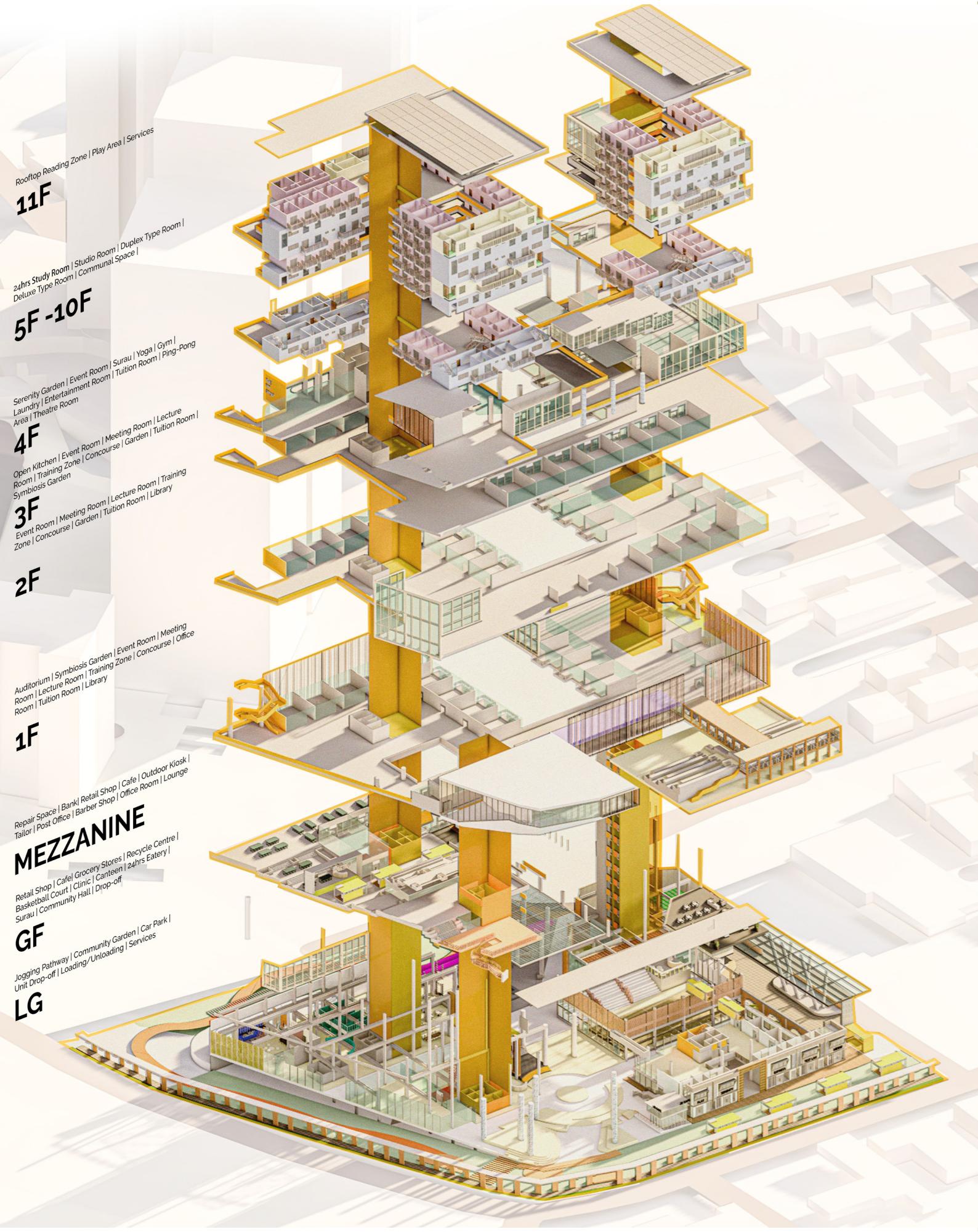


**NORTH ELEVATION**  
SCALE 1:200



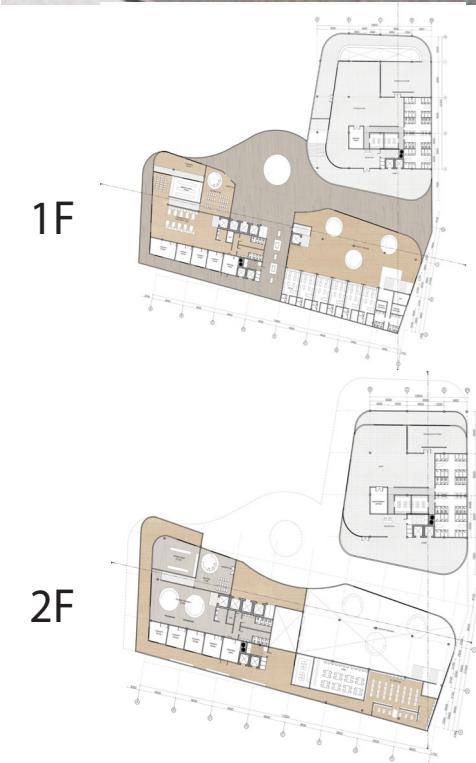
**EAST ELEVATION**  
SCALE 1:200





## 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

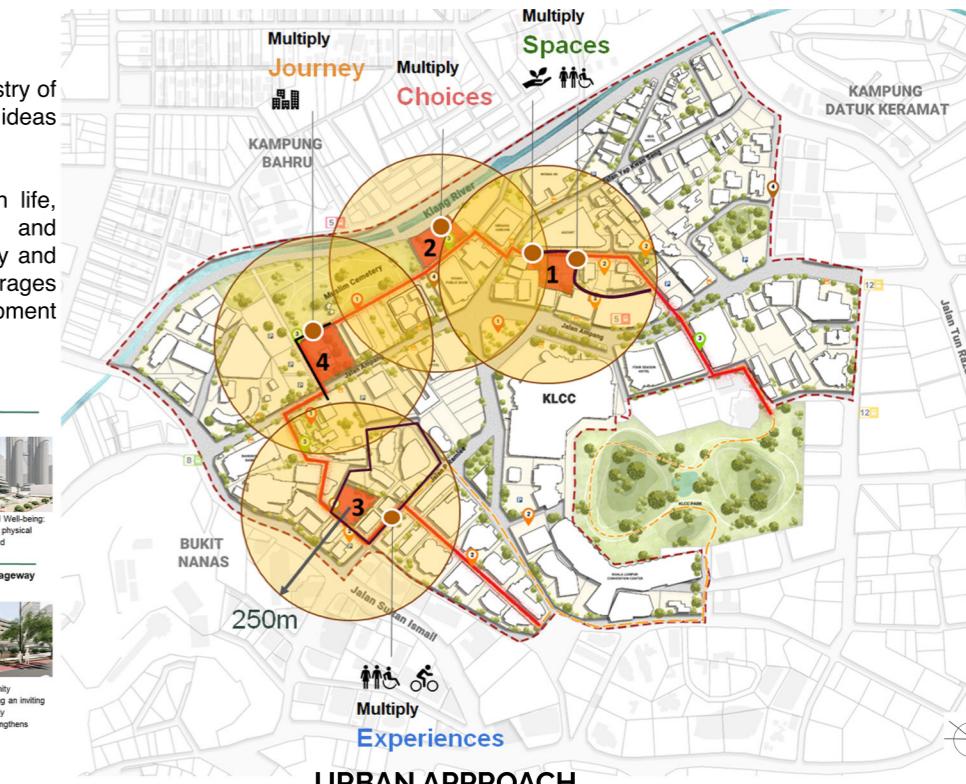
**Designated Mobility Lane**  
From Heritage to Skyscrapers  
Provide safe environment for micro-mobility usage and improve the exposure to the public.  
**Cultural Tour**  
Trishaw Experience Street: Preserving the traditional mobility culture by providing a cultural tour along Jalan P Ramlee, Lorong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

### Multiply Choices

**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 Journey

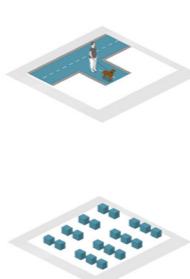
**Green Pocket**  
Promoting Health and Well-being: offer opportunities for physical activity, relaxation, and recreation.  
**Community Passageway (Jalan Tikus)**  
Encouraging Community Interaction: By creating an inviting and pedestrian-friendly environment and strengthens community bonds.



## URBAN CHALLENGES



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



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



**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

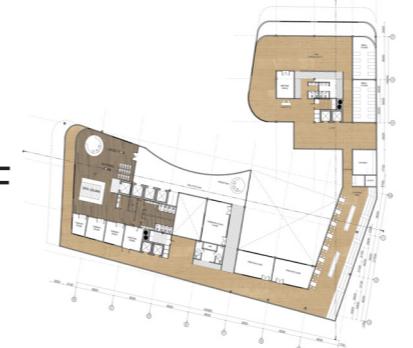
Connection between block to block

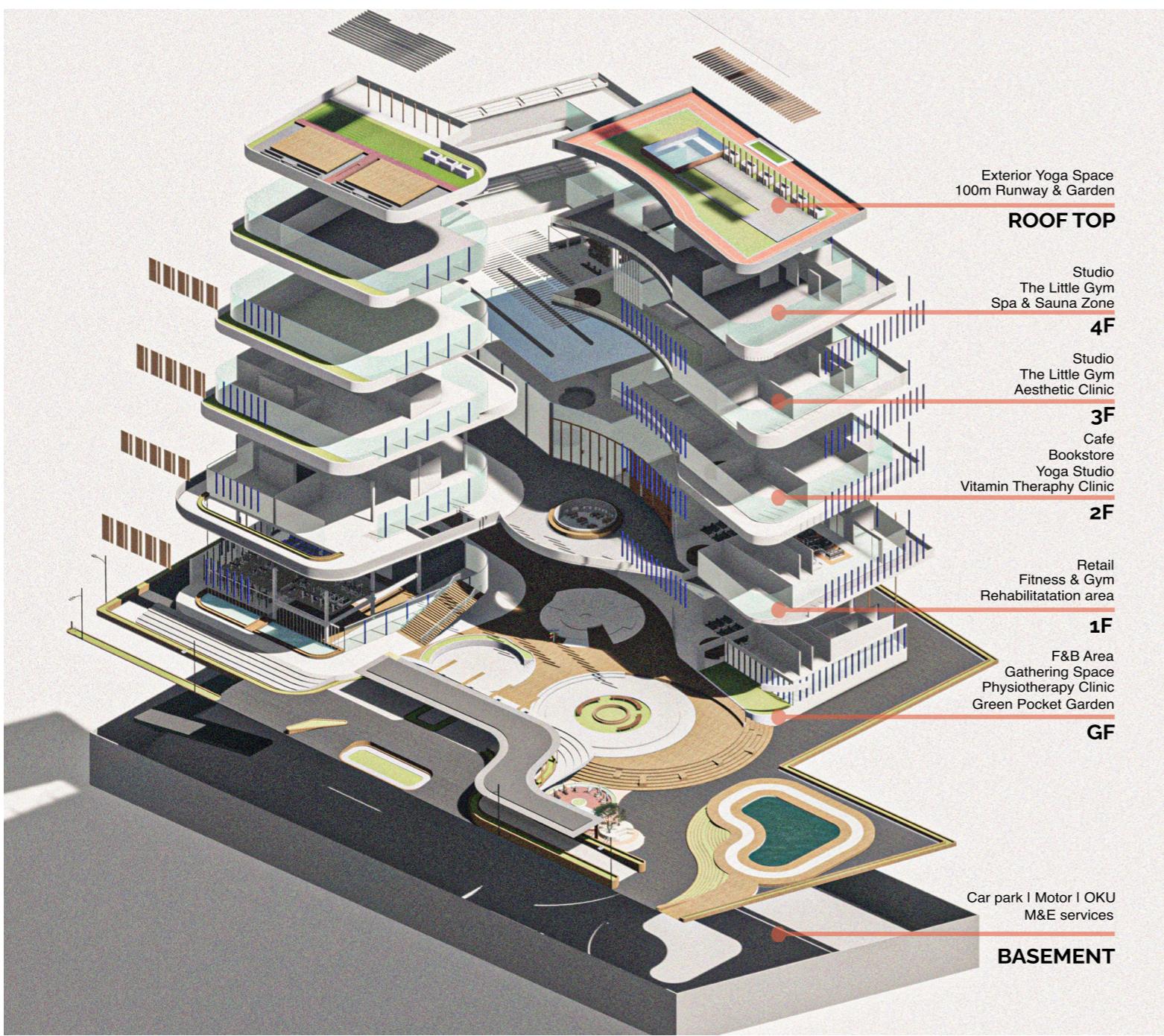


3F



4F





### 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



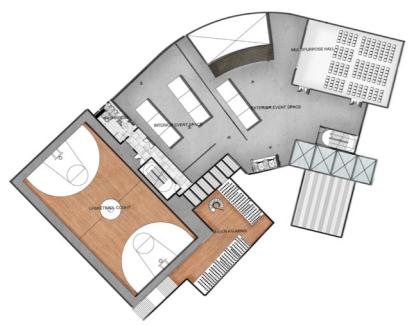
FRONT ELEVATION



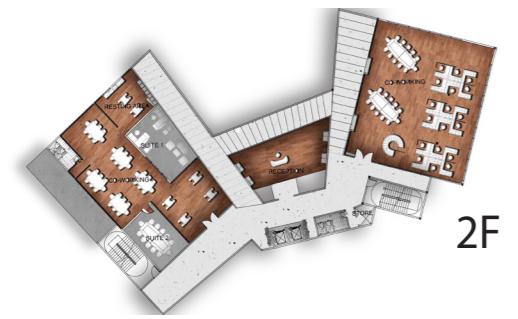
REAR ELEVATION



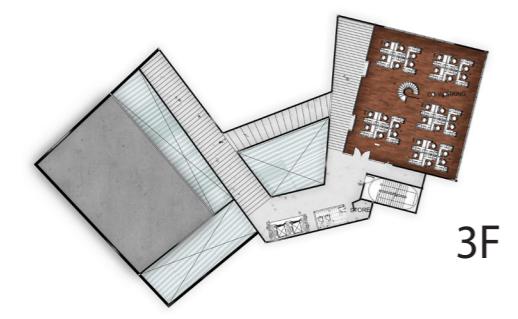
GF



1F



2F



3F



LEFT ELEVATION

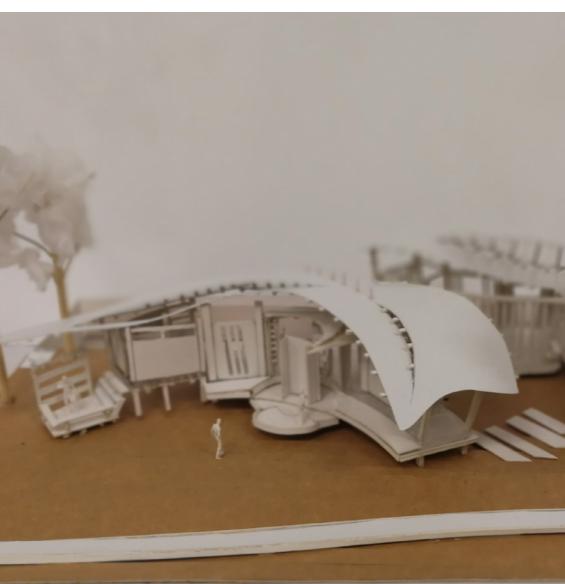
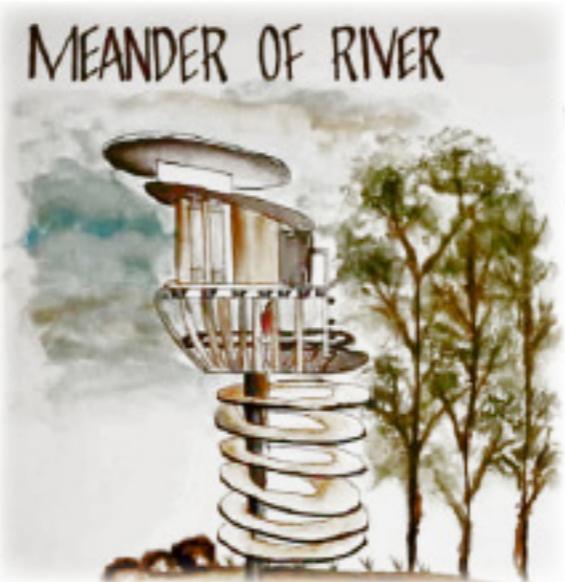


RIGHT ELEVATION



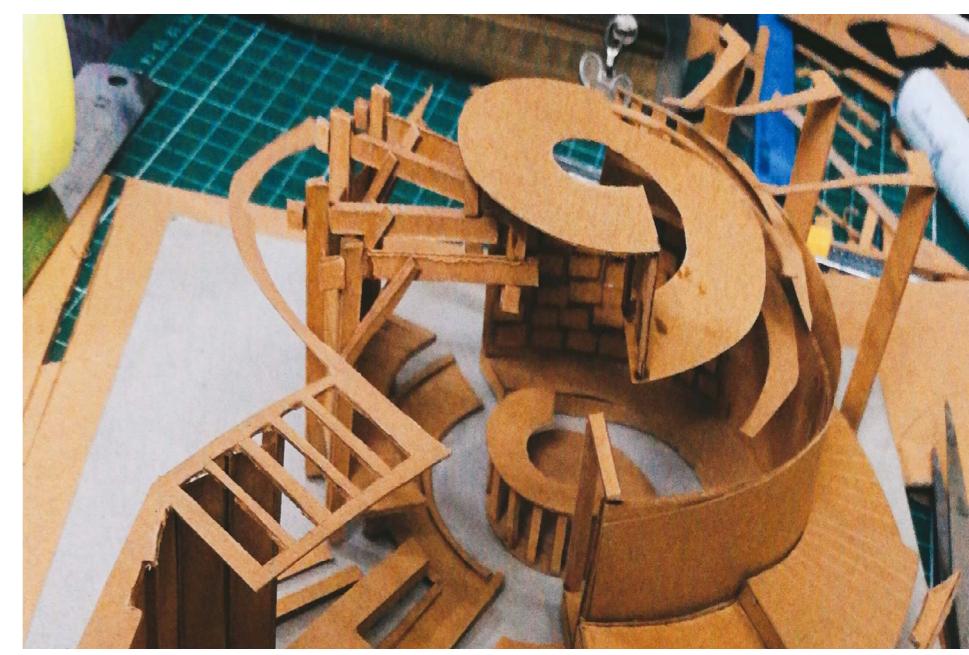
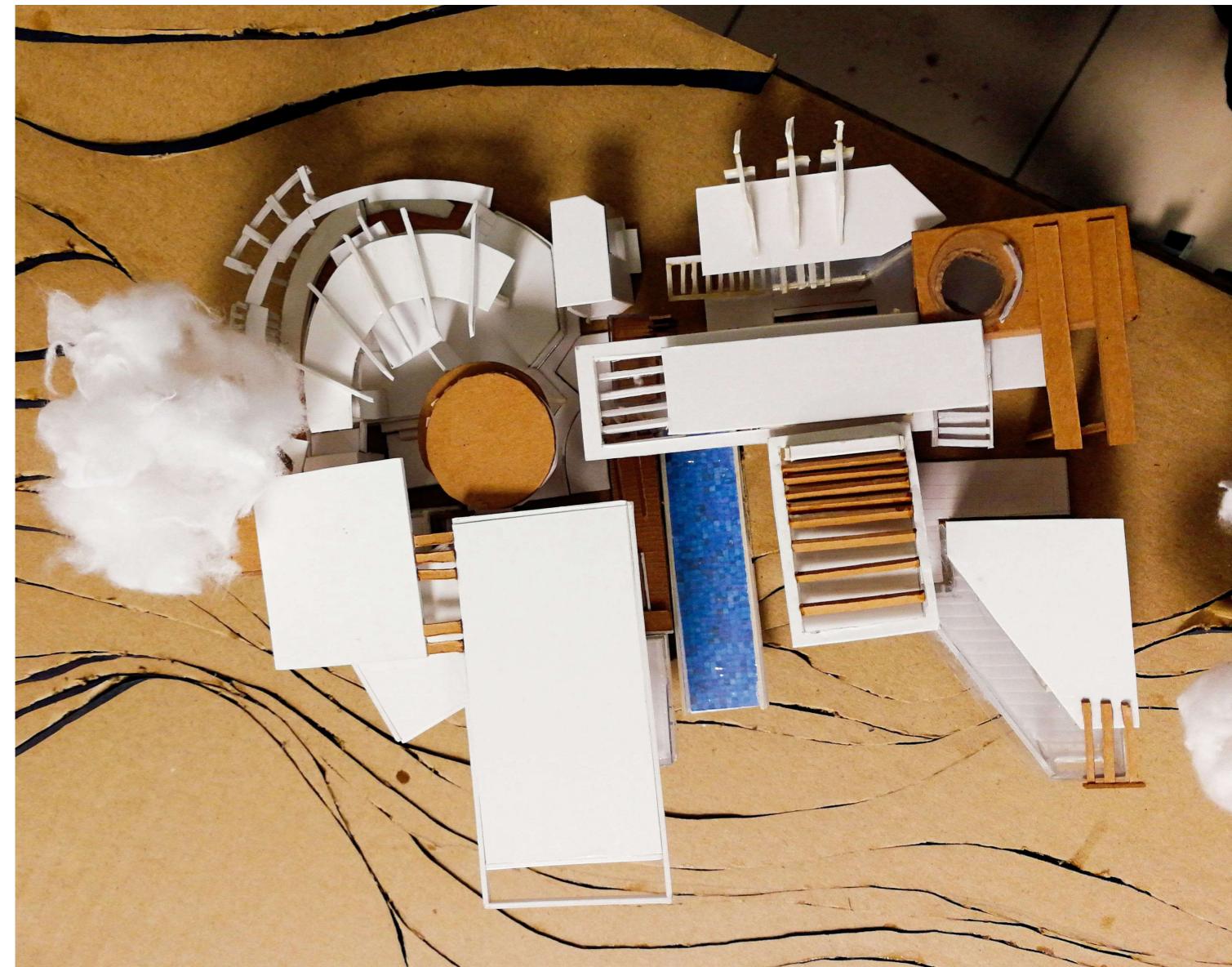
## 4 Tower Design | Ranger Station

Hulu Langat, Selangor



## 5 Pulau Sah Kecil Chalet

Pulau Sah, Terengganu

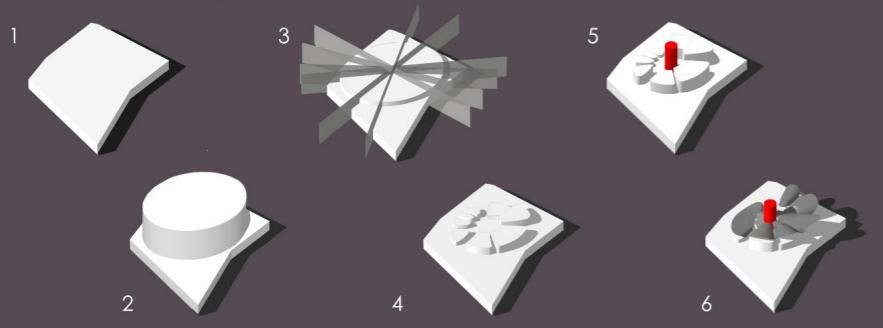
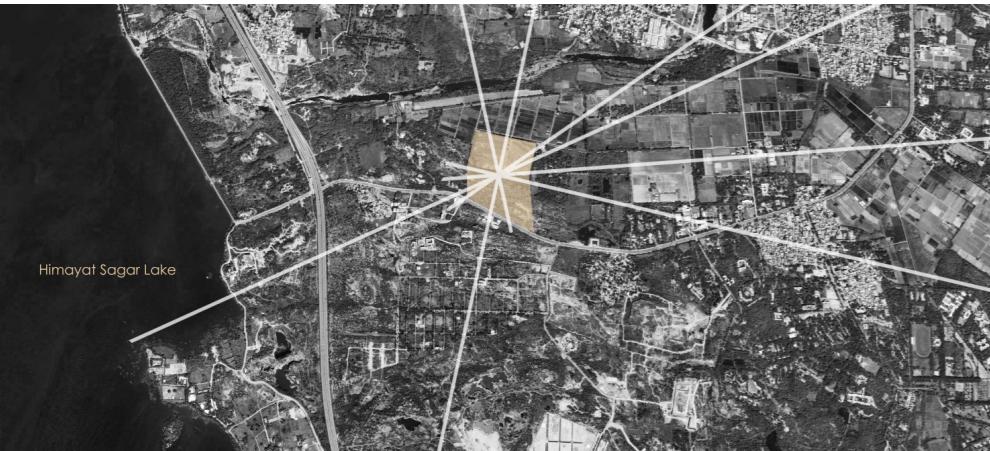


# 6 Green Campus Design (Competition Finalist)

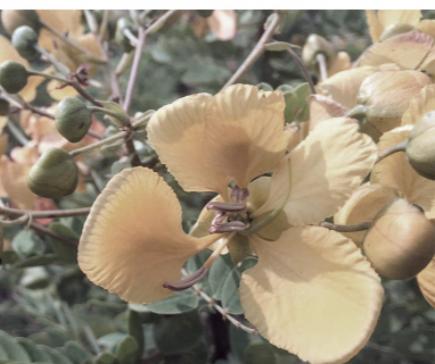
Hyderabad, India Telangana State Urban Centre of Excellence

The project is an attempt to capture the ideal model of a holistic and progressive interaction of the future by owing to dynamic ecosystem that is responsive to seasonal change, extendable in all directions, alive in the present yet rooted in the past. The design is a mix of traditional and modern elements, creating a balance between the past and the future. These changes can be observed in the fluctuating height and depth of the central tower body, or by the transformation of passive solar energy arrays, which are designed to collect solar energy and sustain a deep energy development. Local materials will be combined with custom colored concrete mix of various shades of green. The main entrance steps will be in matching gold or brass tones, consistent with the natural hues of the borders on site. This is an expression of man's boundless capacity to adapt to the environment and to live in harmony with it, both productive and pollution. In spite of constant challenges from impudent development pressures and increasing population density, the design is aiming directly on the land, the vehicle complex built over the terrain which is then need to maximize transparency throughout the ground levels. The central space, the roof deck, will be a public space for people to sit, relax, for public species, daylight, a continuous "forest" or drainage and ventilation in a sponge city effect which can be used for the rainwater harvesting system between one and three buildings to create seamless outdoor classrooms open to wind and rain, or the sun room, where people can sit and learn, or the quiet learning to cultivate immersion and creativity. This results in a coherent and vibrant village that fosters a sense of community blended into a harmonious design. The design is also a symbol of hope, by growing out of and becoming part of the land, inlay of the convergence, emphasis on unrelated individual buildings and enclosed spaces whose left over spaces are already filled up with decorative for dressing.

The complex features dramatic interior spaces under the glass roof, with a mix of light and dark, light and darkness. Flanked by isolate, lattices, glasses and mesh, sloping walls and tiled roofs that merge and overlap, the building's exterior is covered in a mix of textures and fabrics create a sense of mystery and mystique. Classical Music Miles and rough rock surfaces



## DESIGN CONCEPT



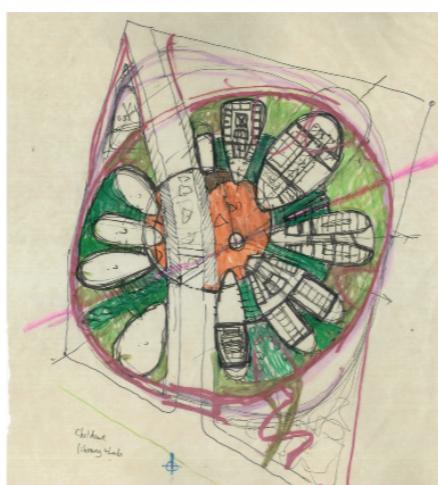
The image of The Centre of Urban Excellence shall be a noble yet quiet place of powerful influence Where serenity pervades And wisdom is cultivated and heaven n man are at peace.

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.

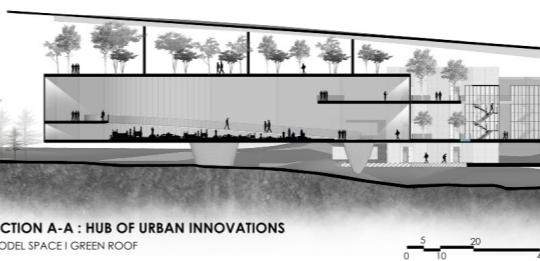
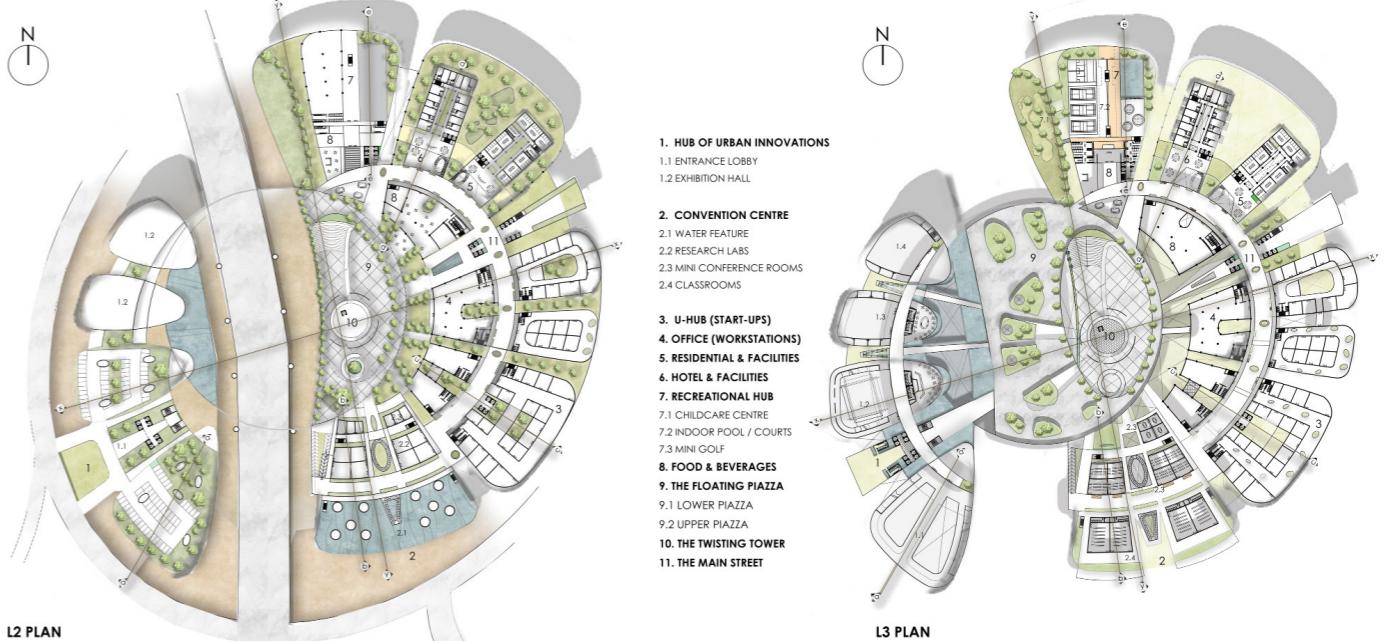


3 Rings of Ripples in Lotus Pond of increasing diameter outwards:

**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).

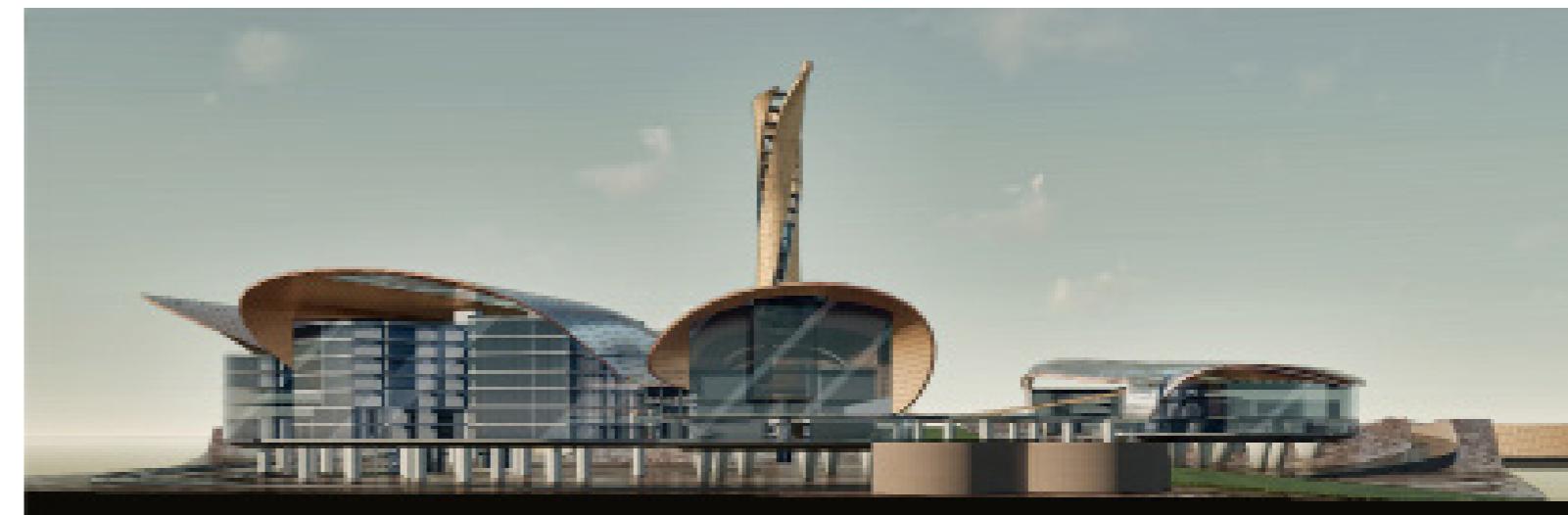
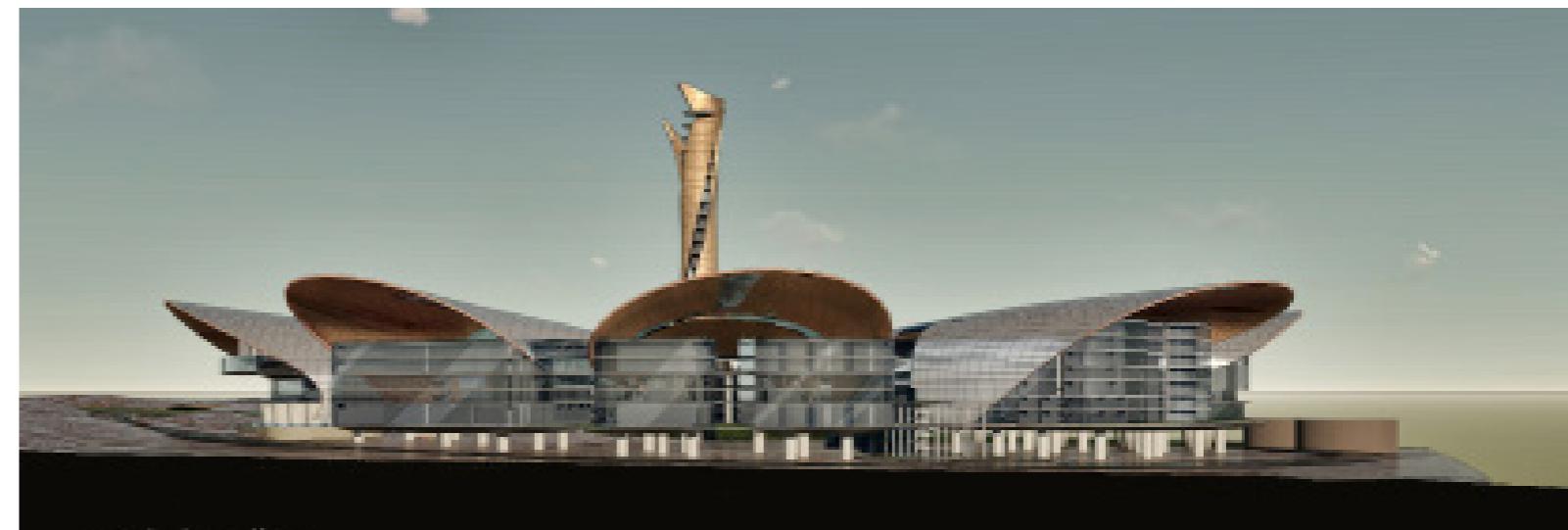
**OUTER RING** (Spine Road for Vehicular Traffic).

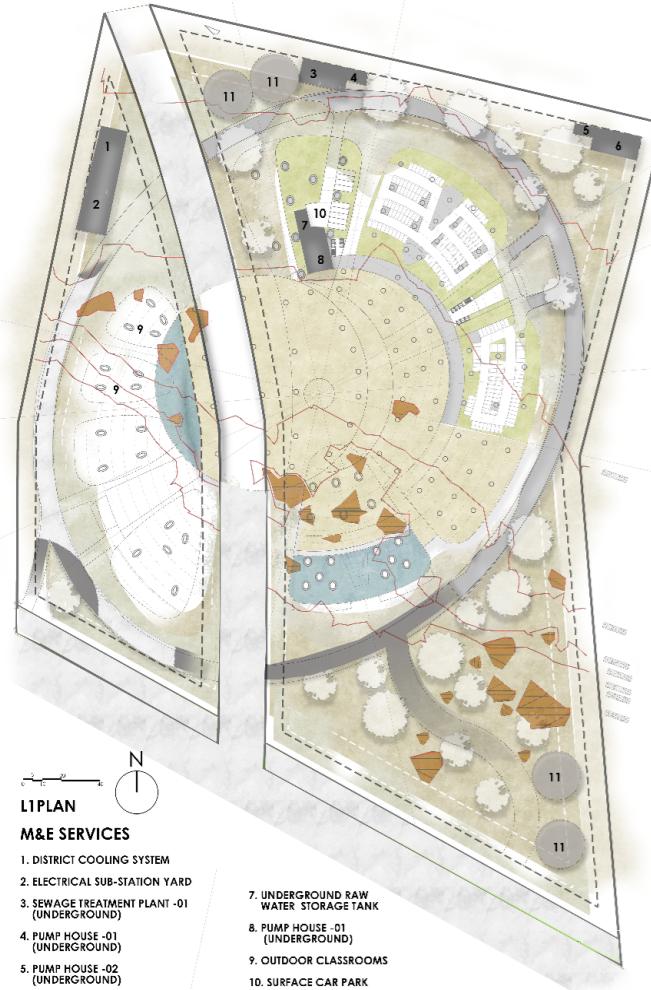


SECTION A-A : HUB OF URBAN INNOVATIONS  
MODEL SPACE | GREEN ROOF



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





#### L1 PLAN M&E SERVICES

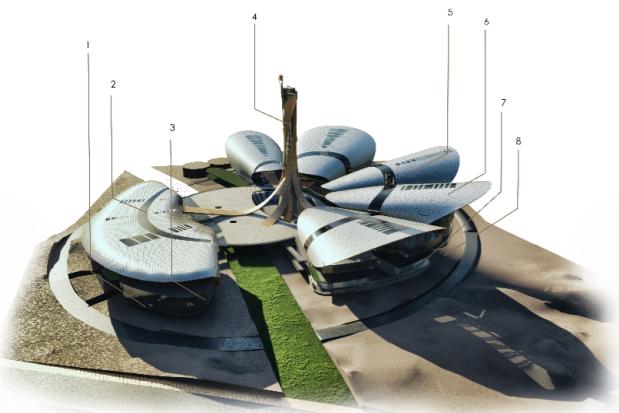
1. DISTRICT COOLING SYSTEM
2. ELECTRICAL SUB-STATION YARD
3. SEWAGE TREATMENT PLANT -01 (UNDERGROUND)
4. PUMP HOUSE -01 (UNDERGROUND)
5. PUMP HOUSE -02 (UNDERGROUND)
6. SEWAGE TREATMENT PLANT -02 (UNDERGROUND)
7. UNDERGROUND RAW WATER STORAGE TANK
8. PUMP HOUSE -01 (UNDERGROUND)
9. OUTDOOR CLASSROOMS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



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

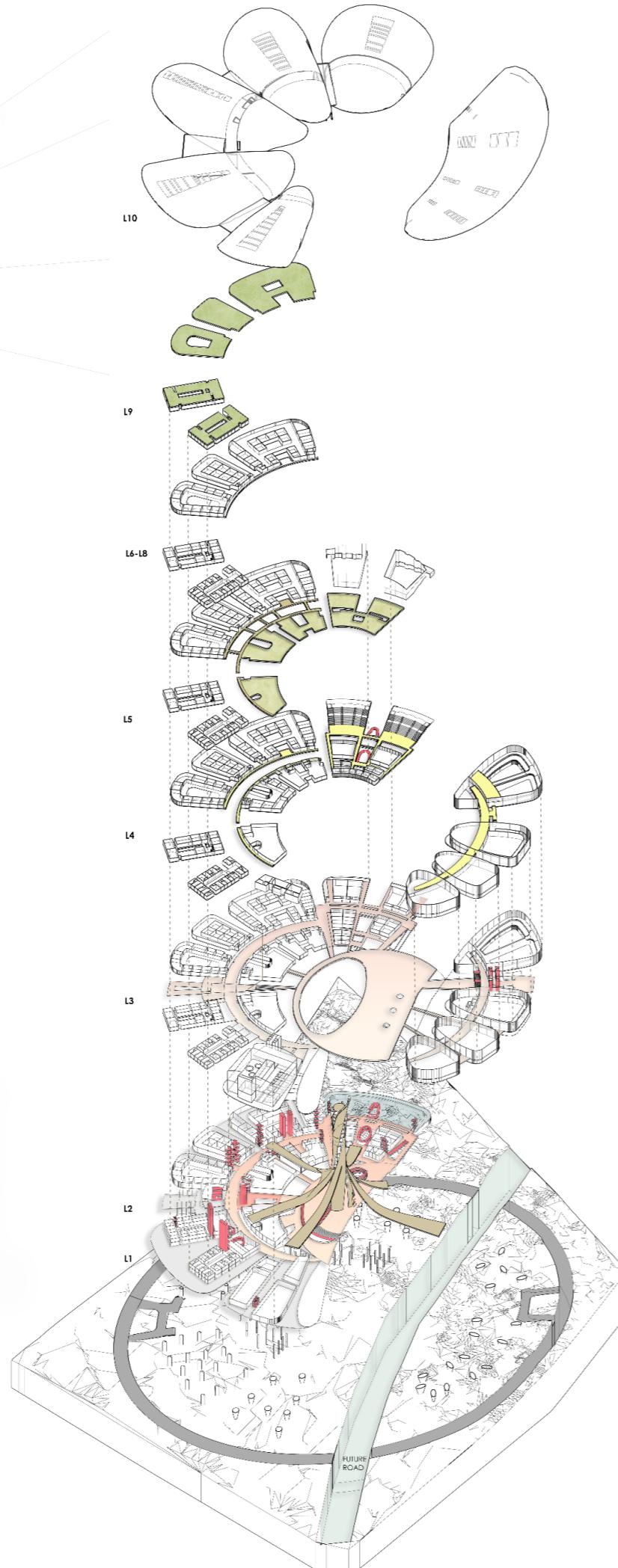
#### CONCLUSION

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).

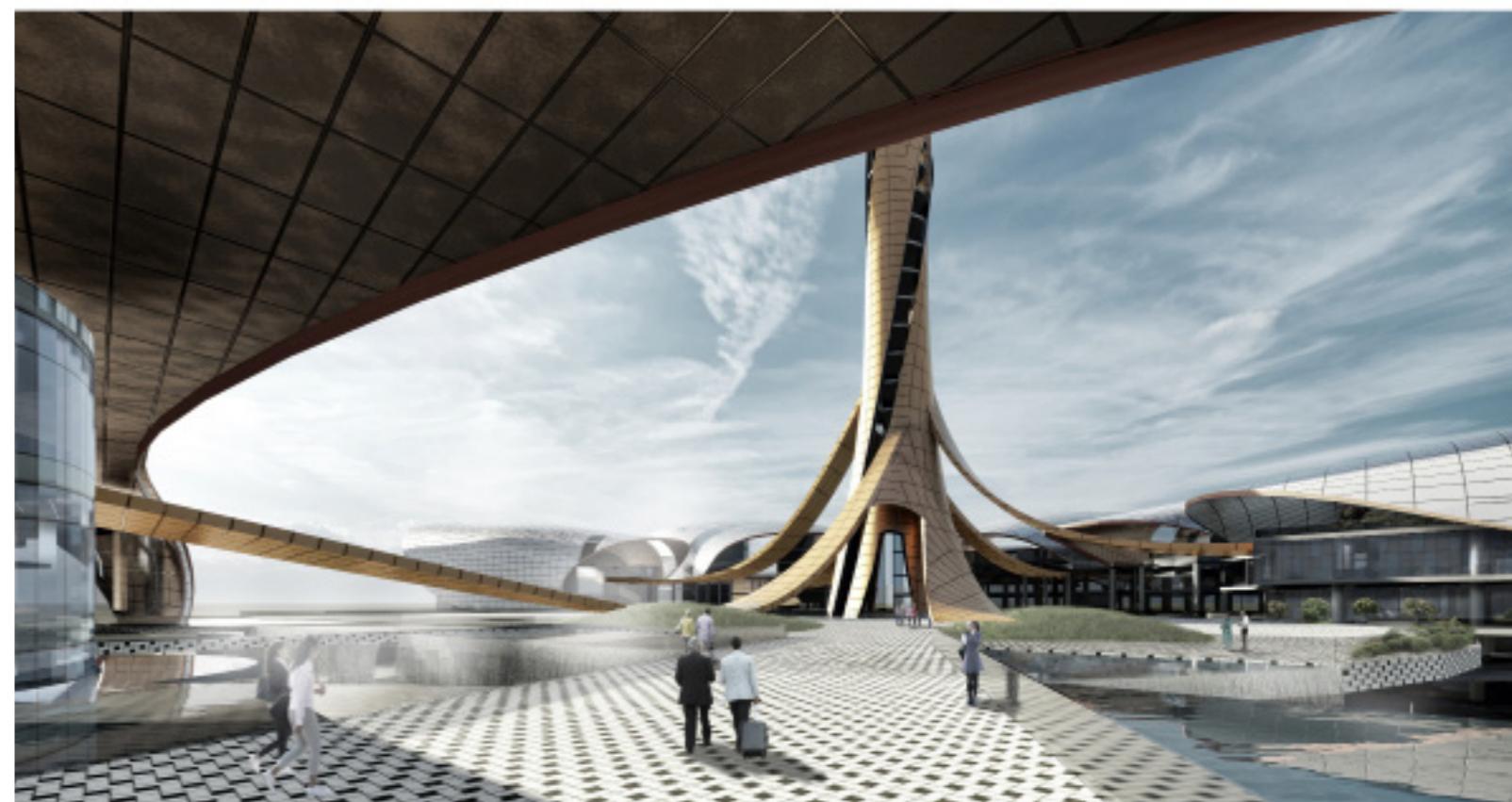
'AN AMAZING INDIA' (THE WORLD'S OLDEST CONTINENTAL CIVILIZATION) IS REFLECTED BY TELANGANA STATE'S ASPIRATION TOWARDS A BOLD CITY OF THE FUTURE FROM HER GLORIOUS PAST, RICH TRADITIONS AND ANCIENT SPIRITUALITY.

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.



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.

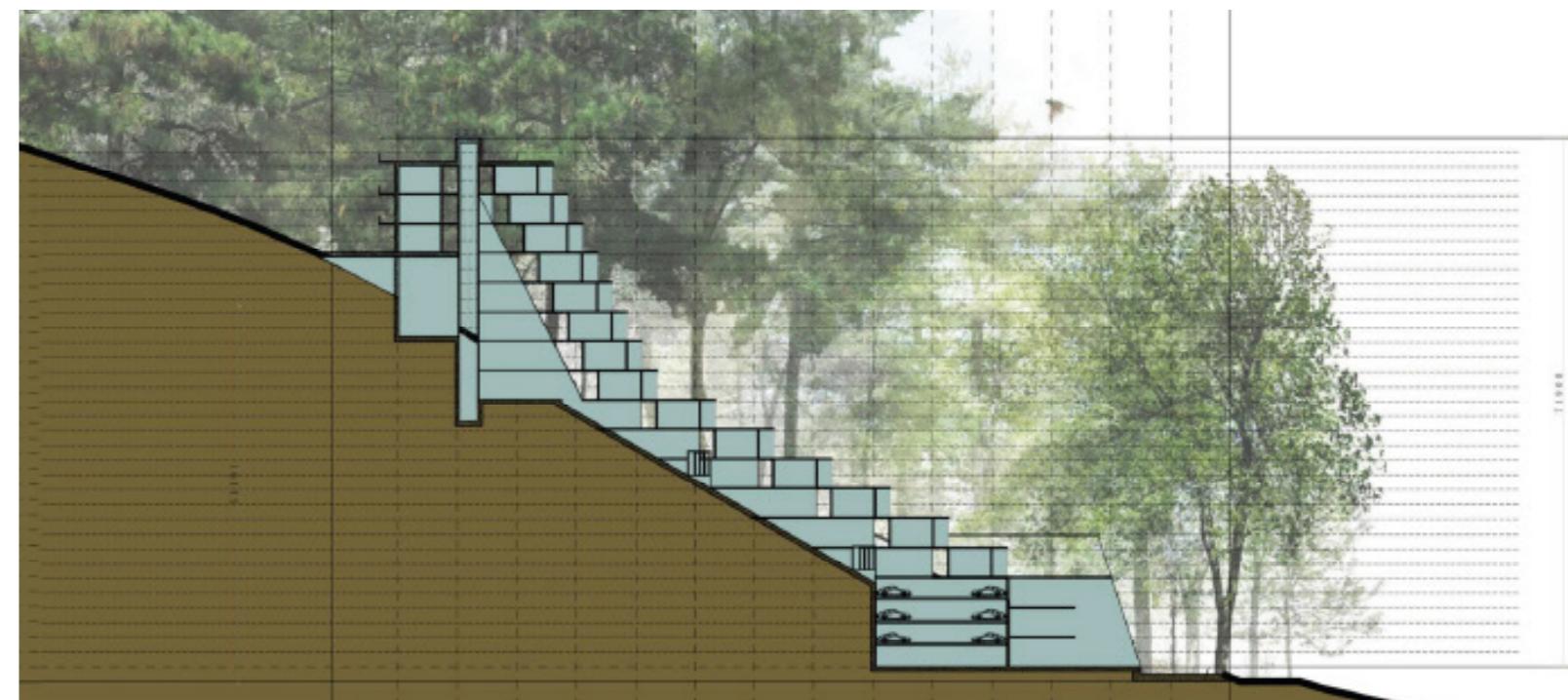
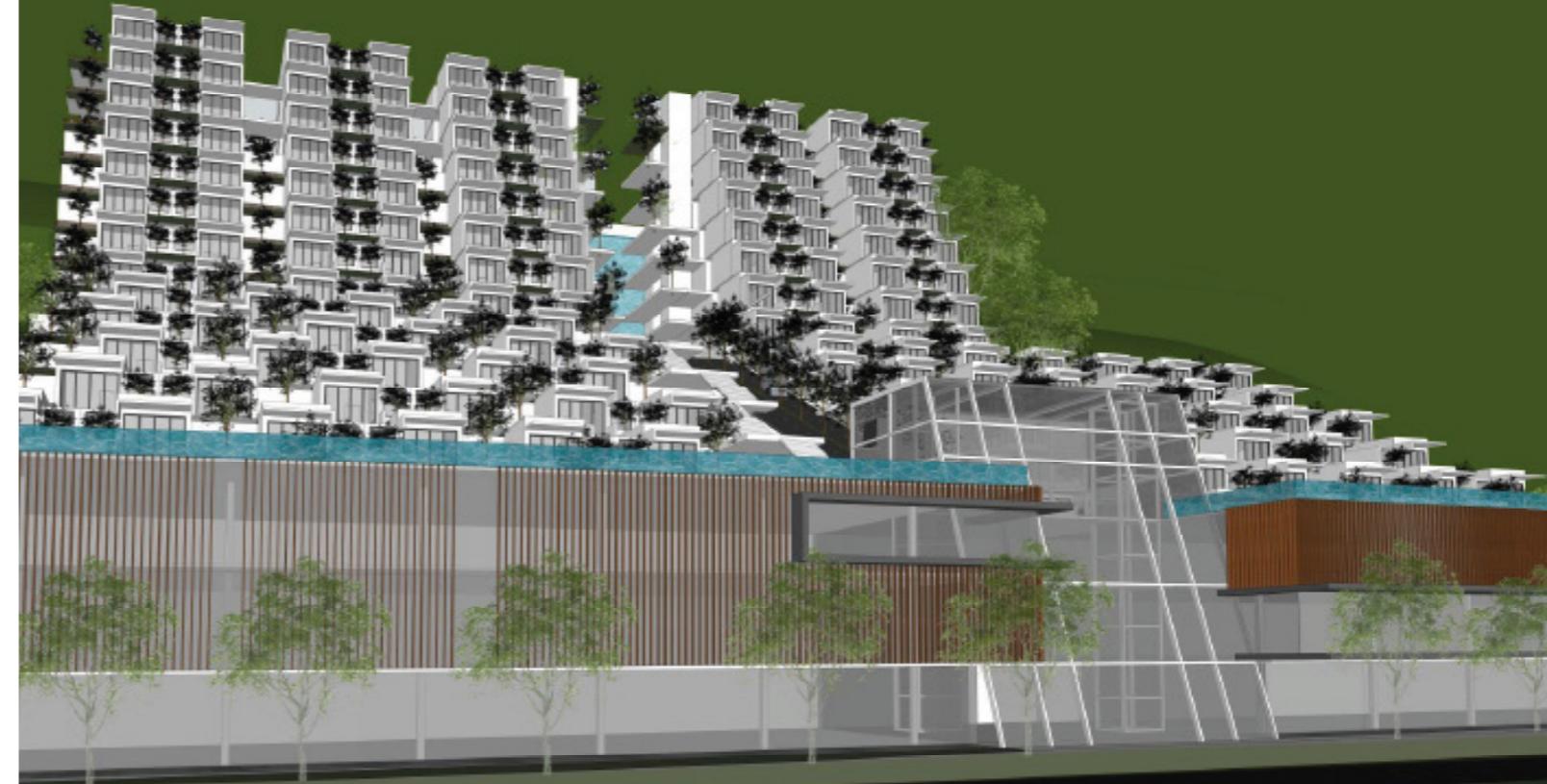
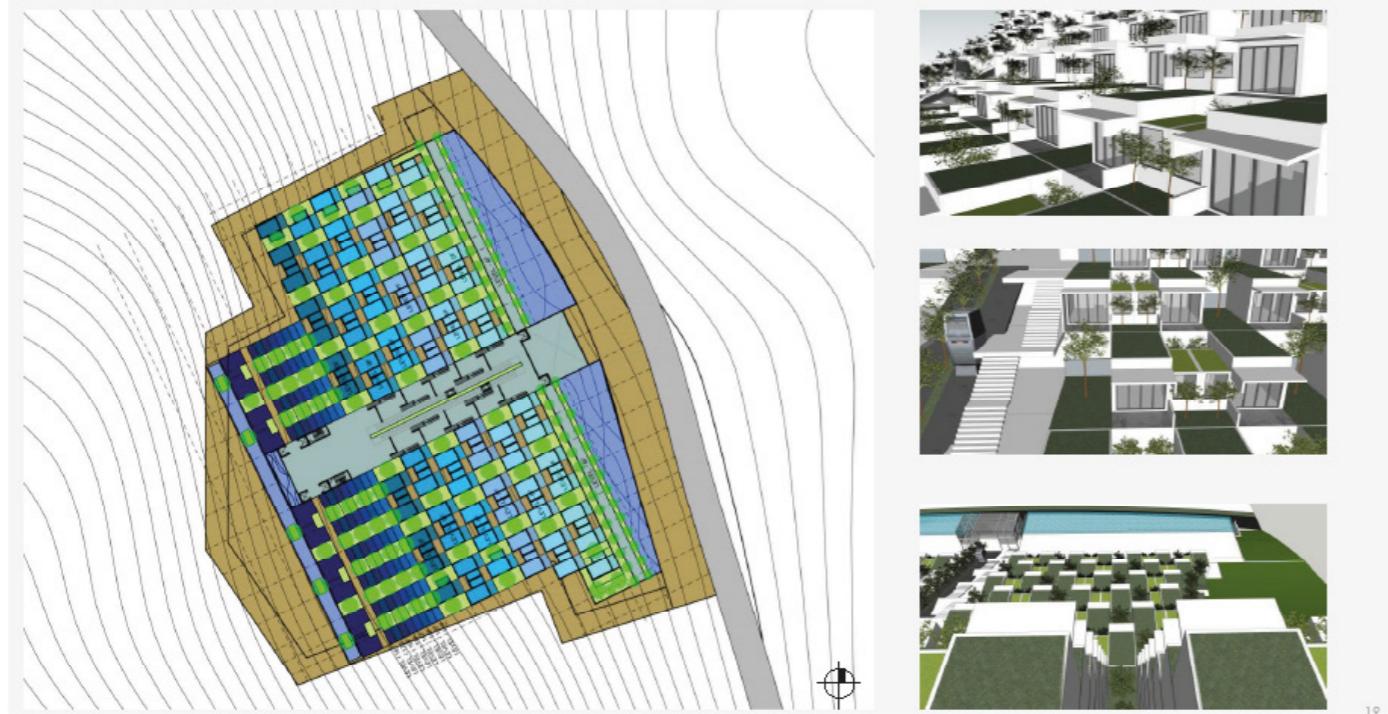
-patina

-red in the old revolutionary area

-green in the vegetable area

BUILDING AREA INDEX 建築面積指標統計表			
樓層 LEVEL	空間 PROGRAMME	總建築面積(平方米) (GFA, sq.m)	房間數量(間) ROOM
地下 (第一層) (LEVEL -1)	大堂, 餐廳, 商業街, 会议室, 停车库 (LOBBY, RESTAURANT, RETAIL, MEET., PARKING)	2,433 sq.m	
第二至三層 LEVEL 2-3	大堂, 餐厅, 办公室, 商业街, 停车库, 健身房 (LOBBY, RESTAURANT, RETAIL, PARKING, MEET.)	2980sq.m + 2,170 sq.m (CP) = 8,100 sq.m	
第四層 LEVEL 4	游泳池, 酒店, 花园 (SWIMMING POOL, HOTEL ROOM, GARDEN)	2,022 sq.m	
第五層 LEVEL 5	房间, 花园 (HOTEL ROOM, GARDEN)	560sq.m + 700sq.m = 1,260sq.m	15間
第六層 LEVEL 6	房间, 花园 (HOTEL ROOM, GARDEN)	520sq.m + 880sq.m = 1,200sq.m	12間
第七層 LEVEL 7	房间, 花园 (HOTEL ROOM, GARDEN)	520sq.m + 840sq.m = 1,360sq.m	12間
第八層 LEVEL 8	房间, 花园 (HOTEL ROOM, GARDEN)	480sq.m + 800sq.m = 1,160sq.m	12間
第九層 LEVEL 9	房间, 花园 (HOTEL ROOM, GARDEN)	530sq.m + 840sq.m = 1,370sq.m	12間
第十層 LEVEL 10	房间, 花园 (HOTEL ROOM, GARDEN)	480sq.m + 850sq.m = 1,330sq.m	12間
十一層 LEVEL 11	健身房, 房间, 花园 (GYM, HOTEL ROOM, GARDEN)	400sq.m + 1400sq.m = 1,800sq.m	10間
十二至十三層 LEVEL 12-13	房间, 花园 (HOTEL ROOM, GARDEN)	820sq.m x 4 = 3280sq.m	10間 (各樓層) x 4 = 40間
第十四至十八層 LEVEL 14-18	房间, 花园 (HOTEL ROOM, GARDEN)	1640sq.m x 3 = 4,920sq.m	20間 (各樓層) x 3 = 60間
合計 GRAND TOTAL	總建築面積 (不含停車場)	27,937 sq.m	总房間數量 = 190間
	總建築面積 (包括停車場)	30,157 sq.m	總停车位 = 152P

TYPICAL FLOOR PLAN 典型單位 平面圖



# 6 Resort Proposal

Pantai Klebang, Melaka

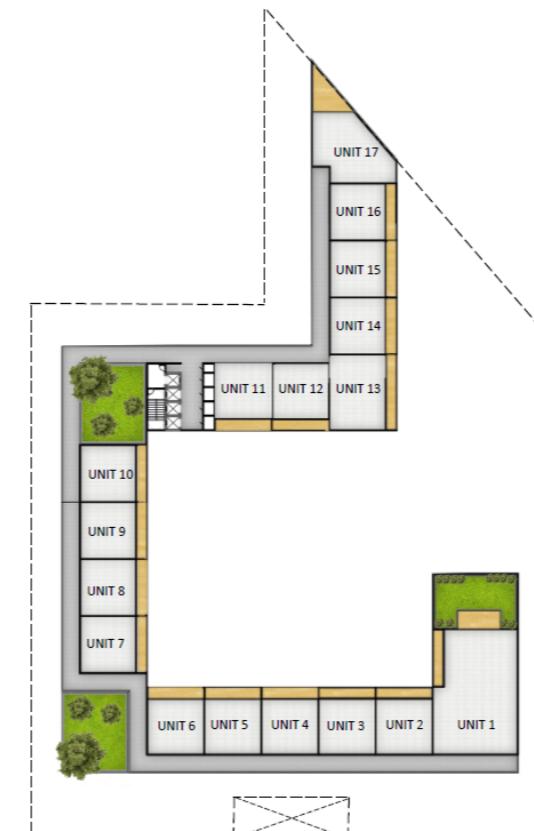
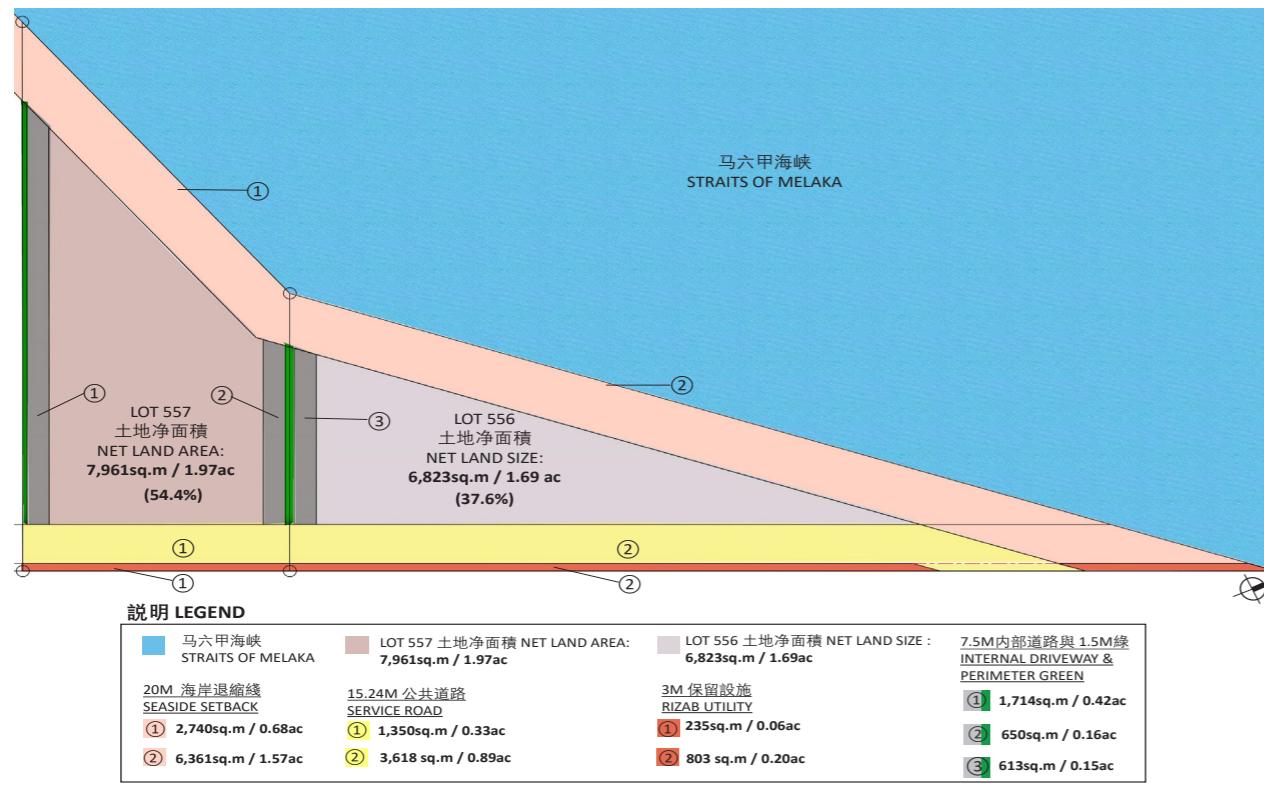
## Office Proposal

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





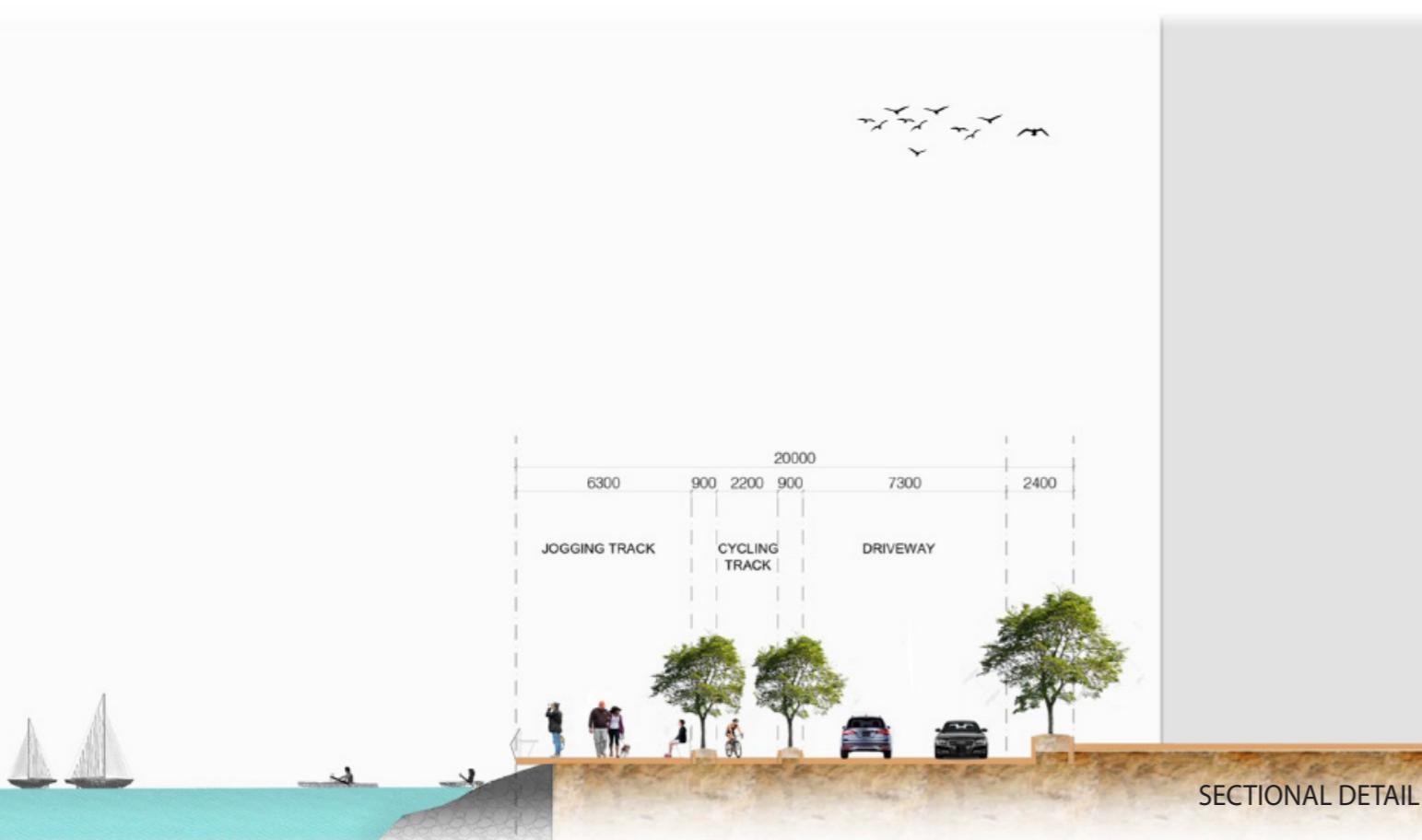
A 餐館, 咖啡廳  
RESTAURANT, CAFE

B 餐館, 咖啡廳  
RESTAURANT, CAFE

C 售賣亭  
KIOSK

D 海鮮餐館  
SEAFOOD  
RESTAURANT

E 花園  
GARDEN



SECTIONAL DETAIL

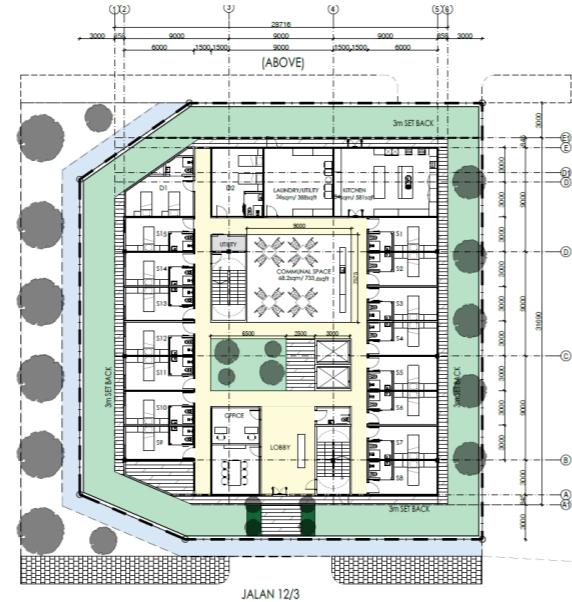


# 6 Nursing Home & Clinical Proposal

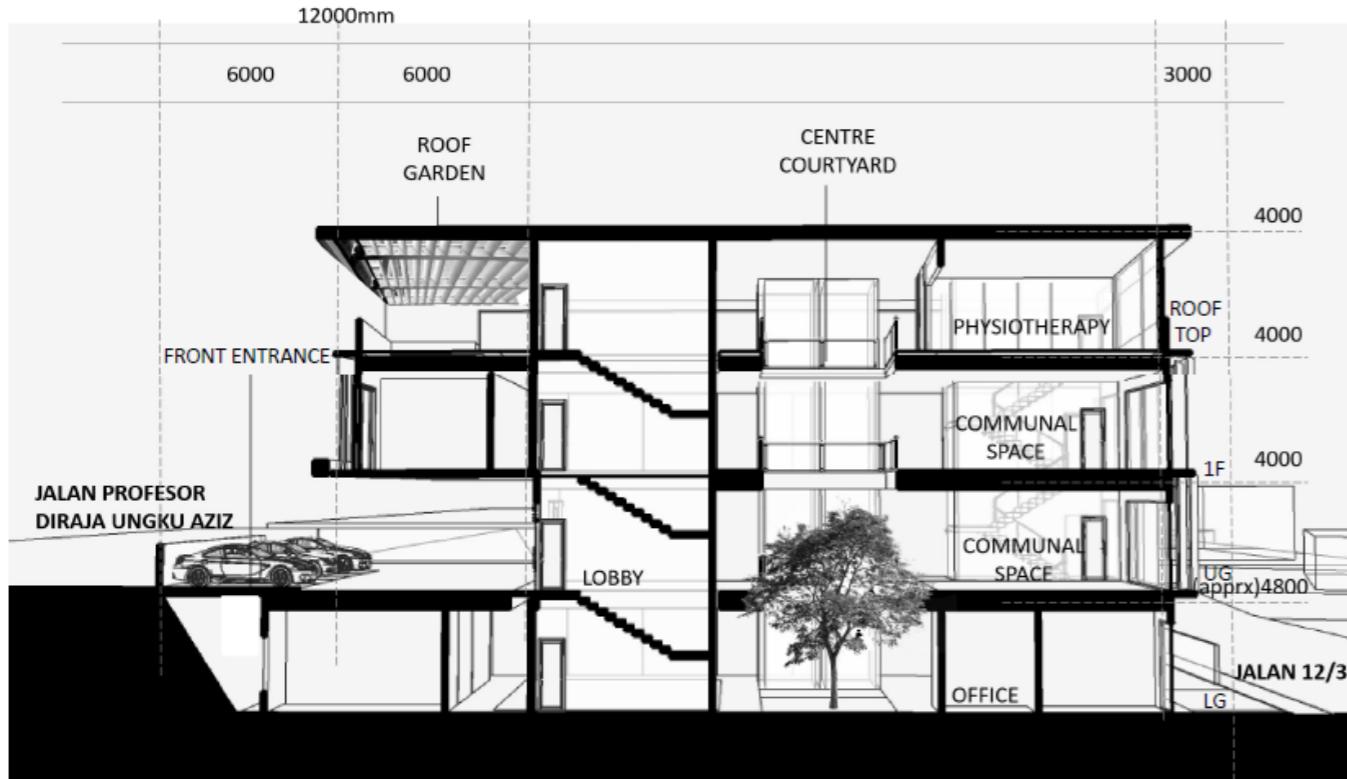
Jalan University, Petaling Jaya, Selangor (2021)



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



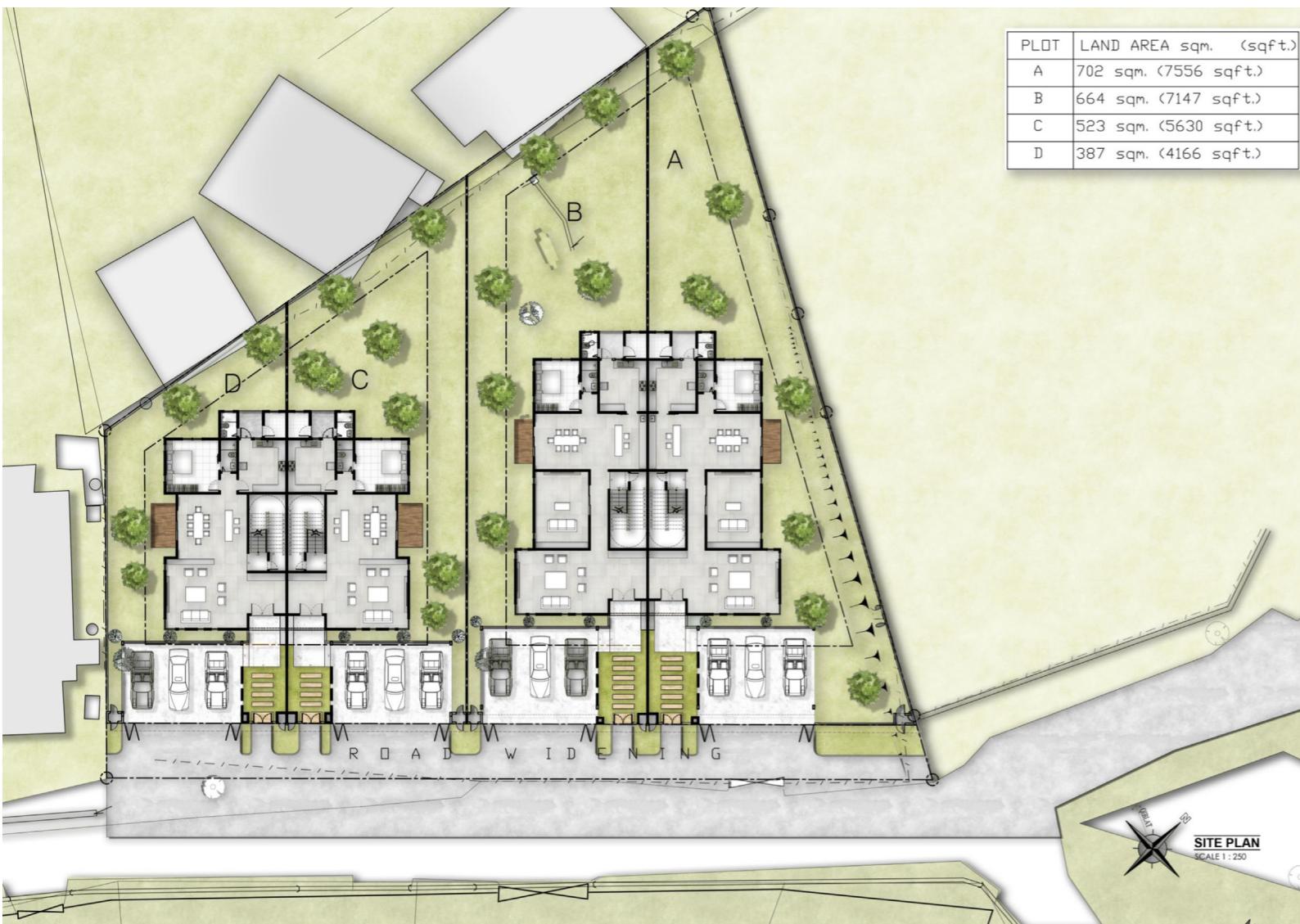
# 6 Housing-Semi Detached House

Melaka

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PLOT	LAND AREA sqm. (sqft.)
A	702 sqm. (7556 sqft.)
B	664 sqm. (7147 sqft.)
C	523 sqm. (5630 sqft.)
D	387 sqm. (4166 sqft.)



# 6 Cafe & Pastry Shoplot

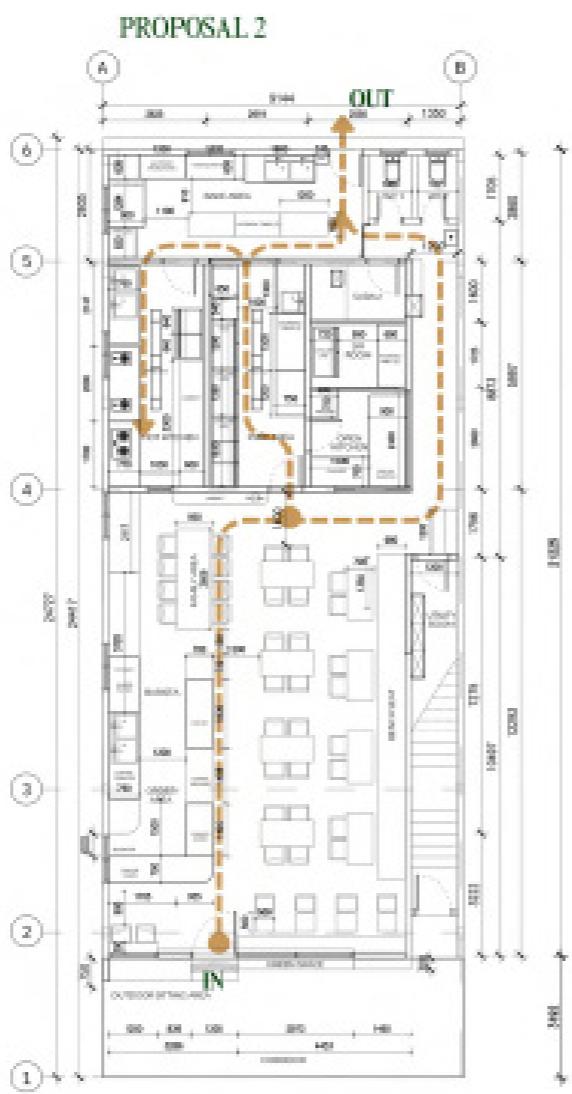
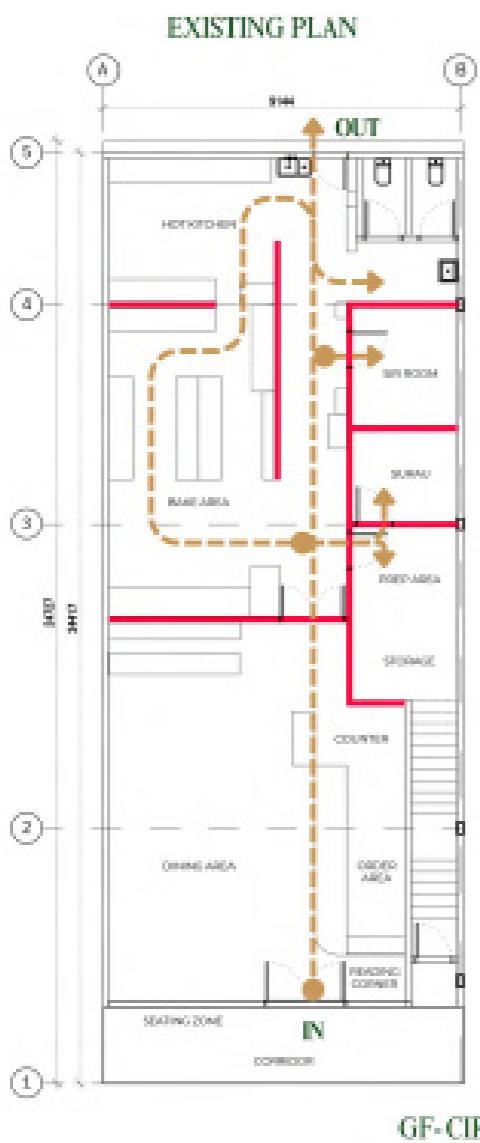
Melaka



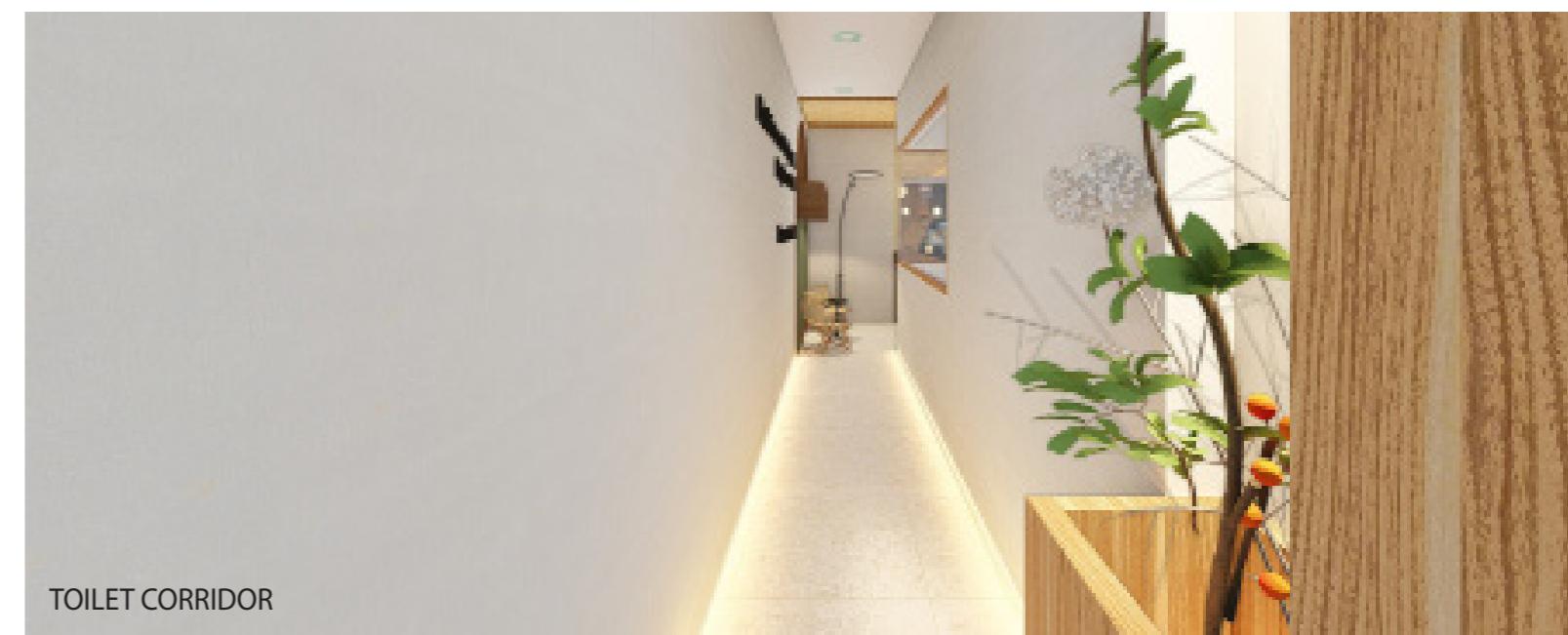
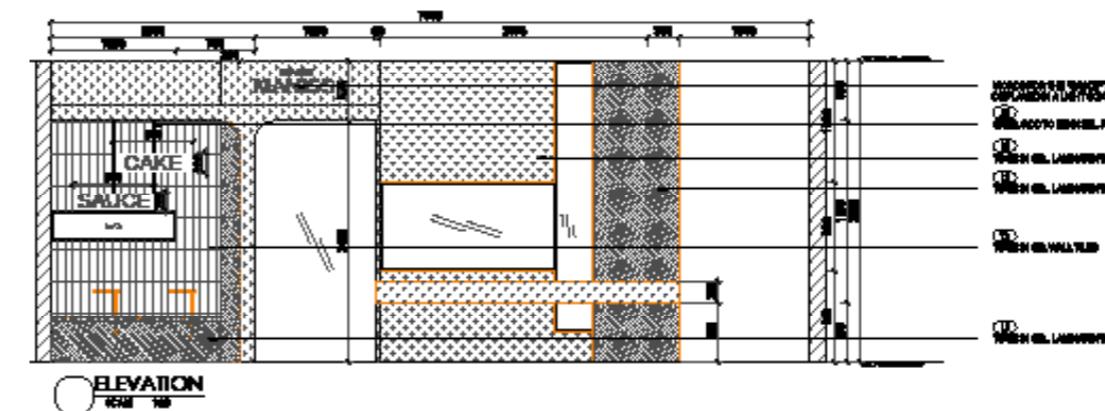
FRONT FACADE



COUNTER DESIGN



GF-CIRCULATION



TOILET CORRIDOR

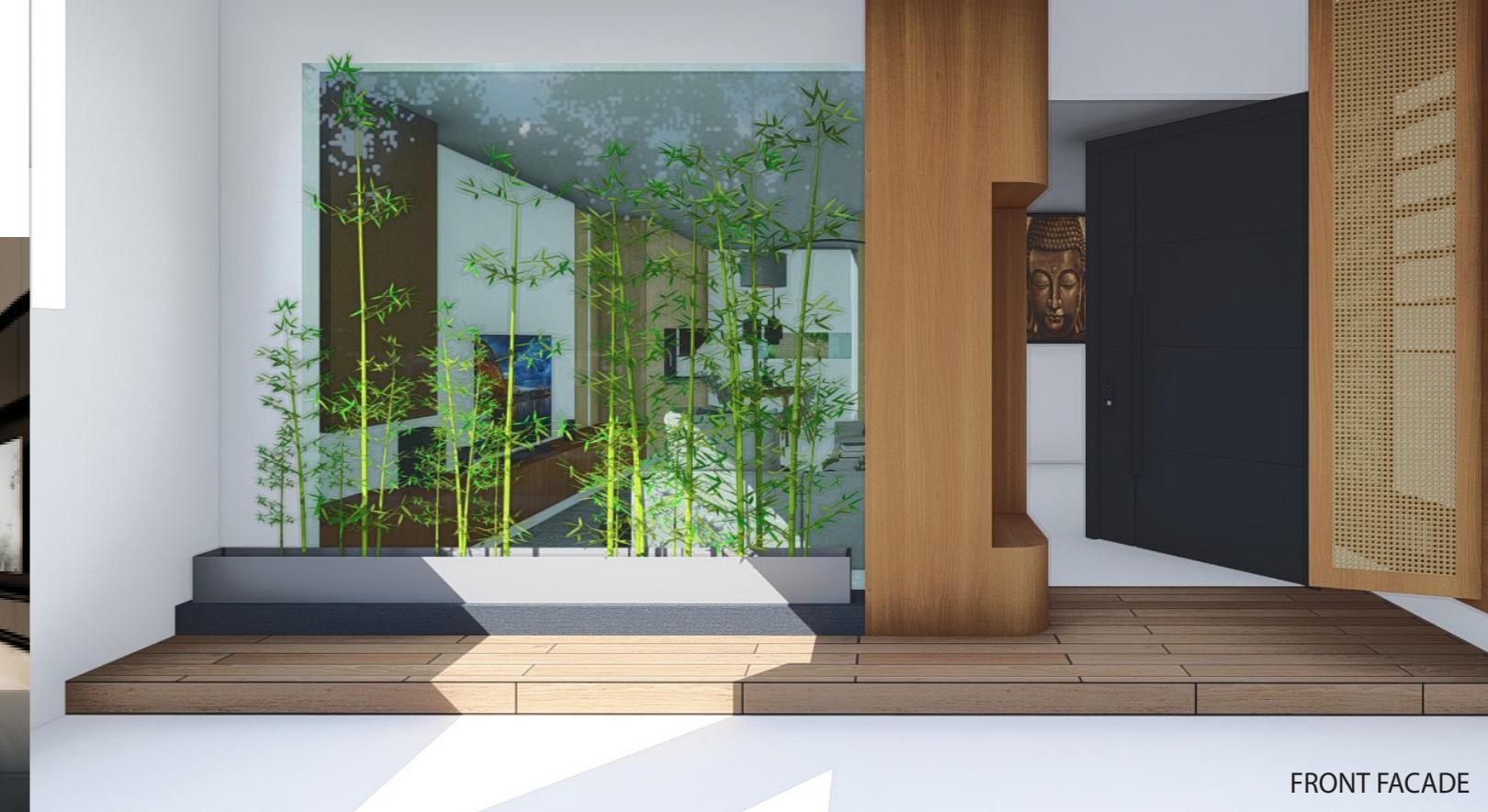


# 6 Interior Service Apartment | Double Storey House Render

Melaka



LIVING ROOM



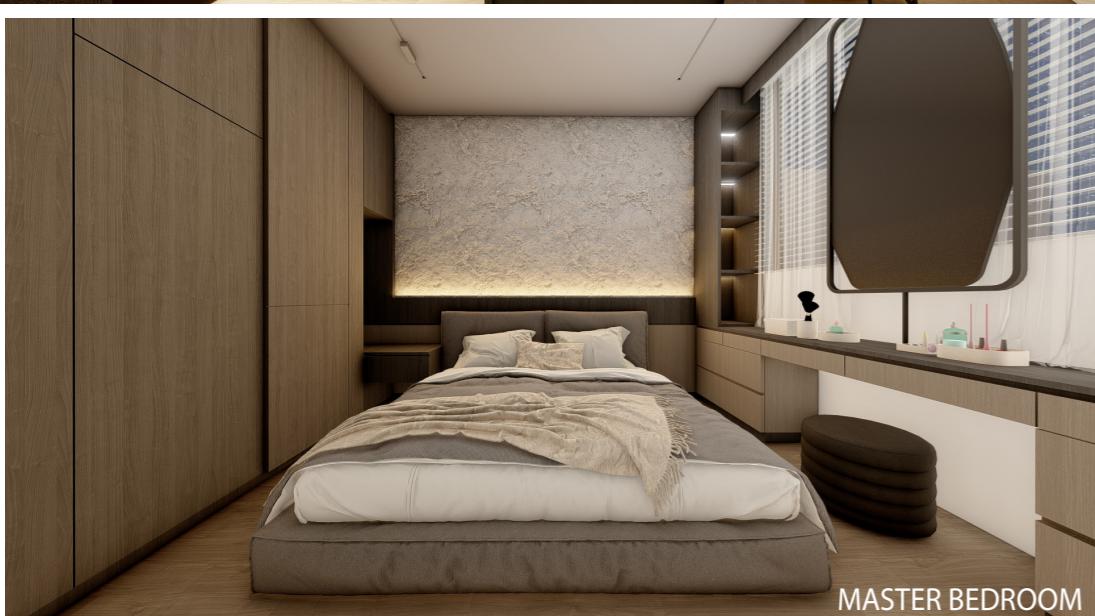
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KITCHEN



LIVING ROOM



MASTER BEDROOM



LIVING ROOM



ES

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Property of  
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