

/Portfolio

SORATIT LEANG

2025



SORATIT LEANG

Architectural Designer + Visualization

ABOUT ME

My name is Sora, a passionate and driven architecture student from Cambodia, set to graduate with a bachelor's degree in June 2025 from KMUTT, Thailand. With a deep interest in sustainable design, urban planning, and innovative architecture, I am eager to contribute to the evolving landscape of architectural practices. Throughout my academic journey, I have explored diverse architectural concepts and developed a strong foundation in both theory, practical application and really have a strong graphic presentation.

As I look to the future, I am excited to further my education by pursuing a master's degree abroad with the goal is to gain advanced knowledge and skills. Moreover, my plan is to have my own firm that will enable me to make a significant impact in the field, both in Cambodia and on the global stage.

CONTACT

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EDUCATIONAL BACKGROUND

University: King Mongkut's University of Technology Thonburi, SoA+D (KMUTT)

Major: Architecture + Design

City: Bangkok, Thailand

Years Attended: August 2020 - Presents (Bachelor's Degree)

University: Shibaura Institute of Technology (SIT)

Major: Architecture + Urban design

City: Tokyo, Japan

Years Attended: September 2022 - August 2023 (Exchange study)

WORK EXPERIENCE

KMUTT, Thailand

General design work, PR and research for professor and university project.

Date: 09/2022 - 12/2022

AIDA ATELIER, Japan

Part-timer as Architectural Visualization: Rendering and Graphic Presentation.

Date: 03/2023 - 06/2023

SATANA ARCHITECT, Thailand

Intern: Interior + Exterior rendering, Graphic presentation and Drawing.

Date: 01/06/2024 - 30/09/2024

SOFTWARE SKILL

Drawing/Modeling

- AutoCAD
- Sketchup
- Revit
- Rhino + Grasshopper

Advanced
Advanced
Intermediate
Beginner

Rendering

- Enscape
- Vray
- Lumion

Advanced
Intermediate
Beginner

Post Production

- Adobe photoshop
- Adobe Illustrator
- Adobe InDesign
- Adobe Premier Pro

Advanced
Advanced
Advanced
Intermediate

PARTICIPATION

- Fuji Seal sustainable packaging workshop 2022 & 23
- Northern Light Fest: Creative showcase art and design in the UK & Thailand (Winner: Artist in spotlight award)
- BlueScope design award 2024: Versatile design of coated Steel (Finalist)
- CICC: One village one community, Cambodia (Finalist)
- Cotto cube design stage (Finalist)

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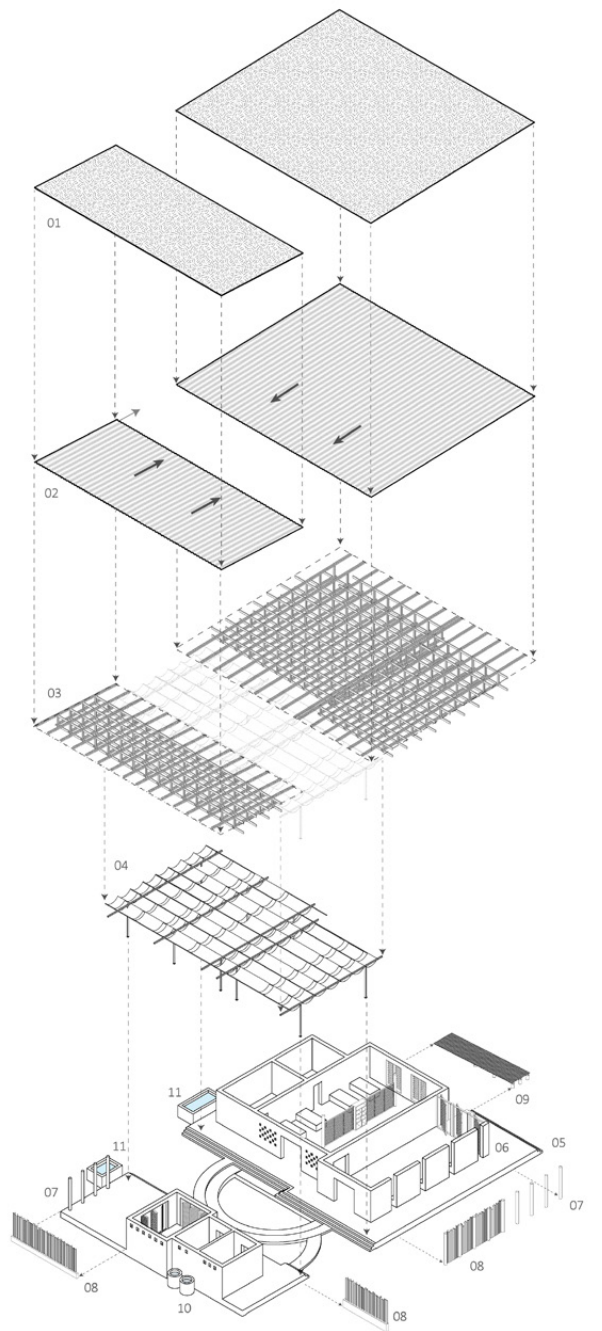
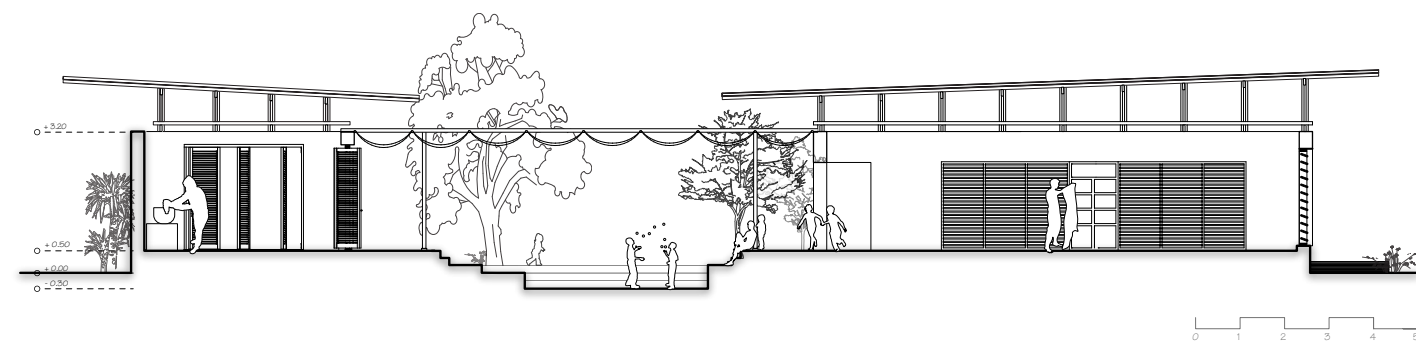
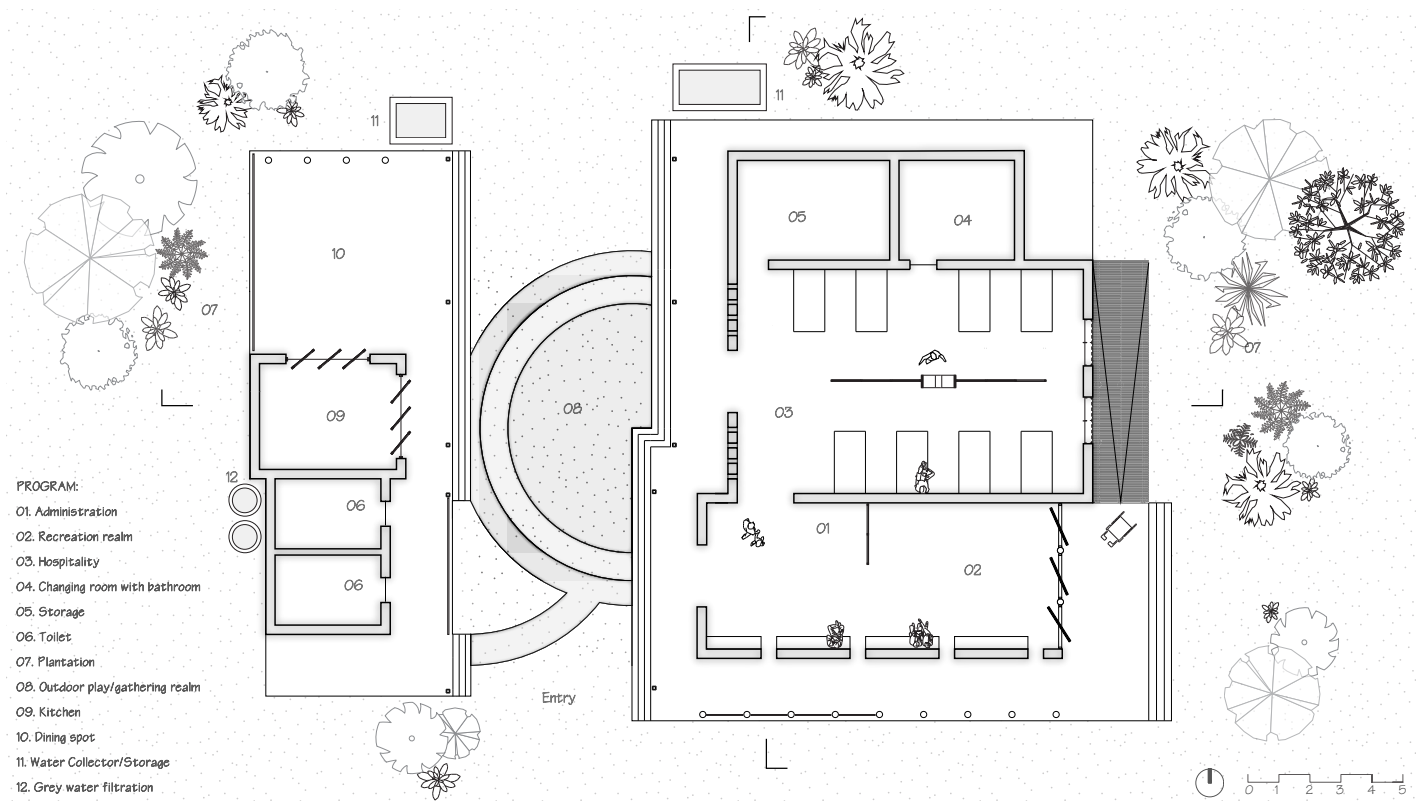
1.CHILDREN HOUSE SENEGAL , AFRICA	/2021	06-11
2.OXYGEN HOME 2.0 BANGKOK , THAILAND	/2024	12-17
3.ADAPTIVE URBAN HABITAT BANGKOK , THAILAND	/2025	18-23
4.ONE VILLAGE ONE COMMUNITY PHNOM PENH , CAMBODIA	/2025	24-31



EMBRACE HOME

Studio Project
 Location: Baghere Village, African
 Year: 2021-22
 Type: Children's House - Humanitarian Design Project

The design focus on humanitarian context which help housing mal-nutritious children in order to promote a healthy lifestyle. Along with the rectangular module arrangements of each program. Which have been configured to connect one space to another, while two separations to create center space as it meet each other. So the children familiar with it like their home yard for playing with less institute sense. The design is to promote a sustainable, local construction materials and technique with innovative method to cope with this harsh climate condition.





OXYGEN HOME 2.0

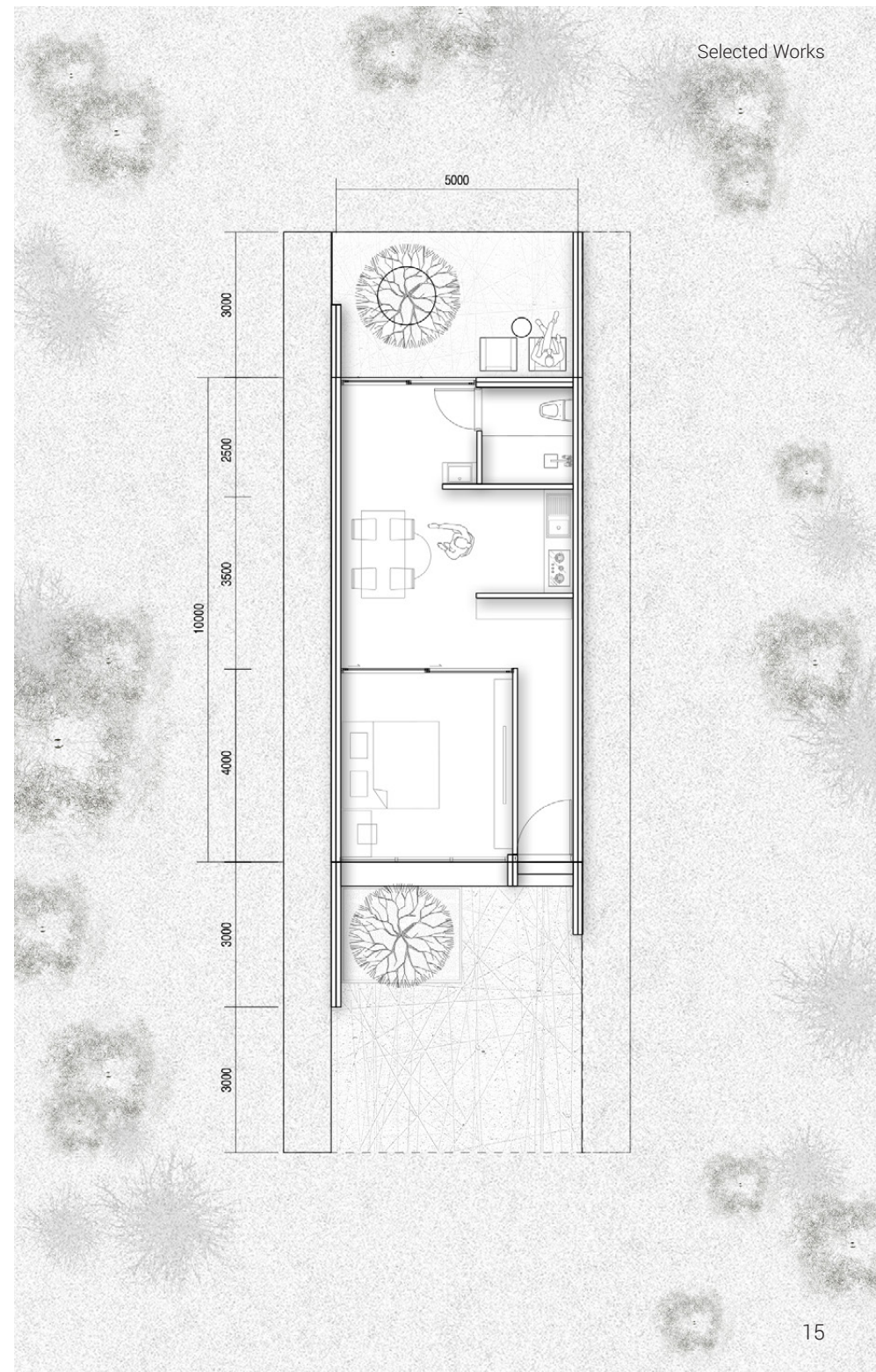
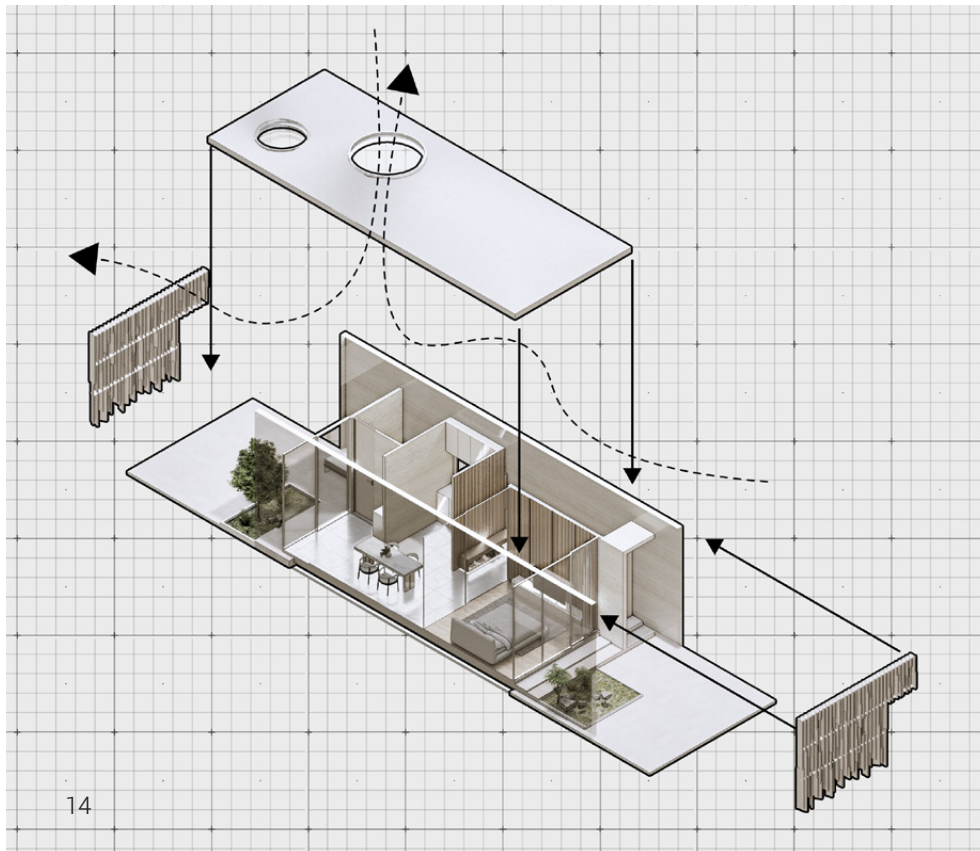
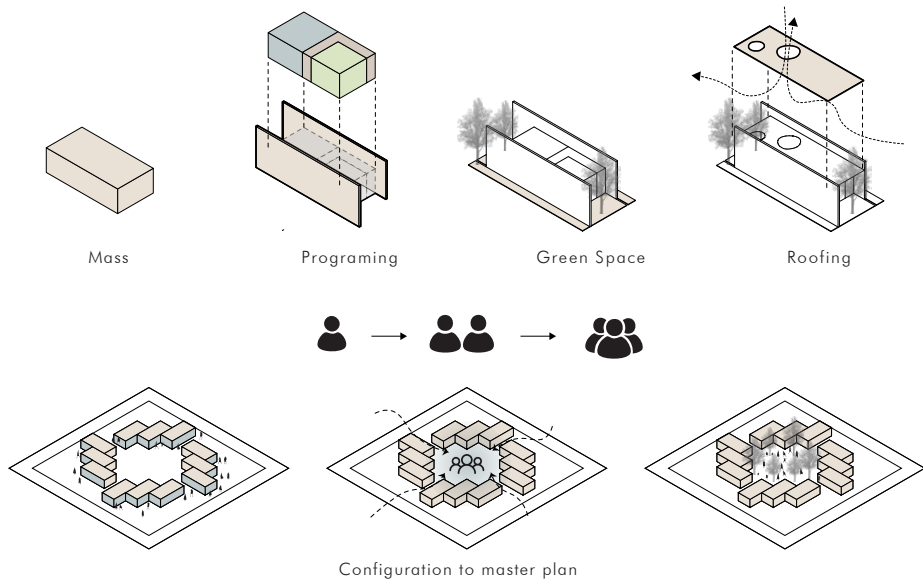
Competition Project
Location: Bangkok, Thailand
Year: 2024-25
Type: Urban Context

Inspired by nature's most efficient architects of bees and termites colony, this project envisions a resilient, adaptive, and universally accessible home that harmonizes community-driven living, passive climate control, and environmental sustainability. The design integrates the modularity of beehives with the natural ventilation systems of termite mounds, creating a home that breathes, adapts, and thrives in urban environments challenged by air pollution, heat, and spatial constraints.

Units are interlock to form adaptive housing clusters, reinforcing a sense of community and shared resources. Passive cooling roofing tower mimic termite ventilation, drawing in fresh air while expelling warm, polluted air. Biowood façade panels with layered air channels act as a PM2.5 filtration system, and as a sun shading device with privacy purposes.



DESIGN DIAGRAM





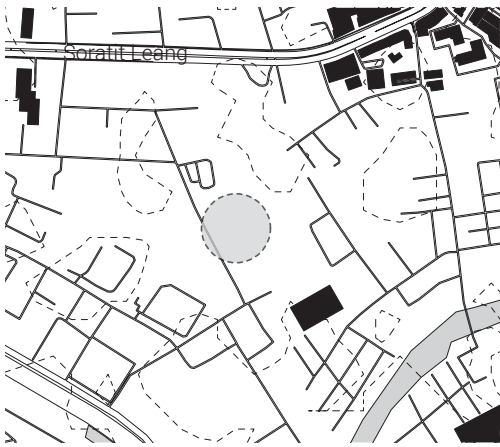
ADAPTIVE URBAN HABITAT

Competition Project
Location: Bangkok, Thailand
Year: 2024-25
Type: Urban Context

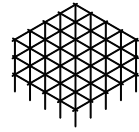
Housing in fast-changing cities must be affordable, flexible, and community-driven. This co-living concept uses a scaffolding-based modular system, allowing units to be attached, expanded, or reconfigured over time.

Design Intent: A Living Structure That Grows with Its Residents. Unlike conventional housing models, which are rigid and expensive to modify, this concept proposes a framework that evolves alongside its users. The scaffolding structure serves as a flexible support system, allowing living units to be plugged in, expanded, or relocated based on demand. This adaptability creates a constantly changing, living architecture where residents can customize their spaces and contribute to the overall growth of the community.

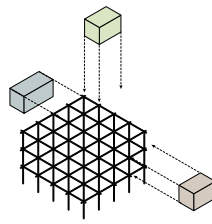




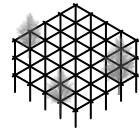
Khlong Toei is a dense, evolving district in central Bangkok, known for its mix of local communities, migrant workers, students, and young professionals. Once a major port and trade hub, it now serves as a vibrant urban area with high-density living conditions and limited affordable housing. The site's proximity to markets, transit hubs, and commercial zones makes it an ideal location for an adaptive co-living model.



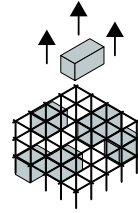
Flexible Structure



Module Community Box + Living Unit



Plug-in Nature



Upgradable for Future expansion



SCENARIO 01:
COLLECTIVE LIVING COMMUNITY



SCENARIO 02:
STANDALONE CO-LIVING



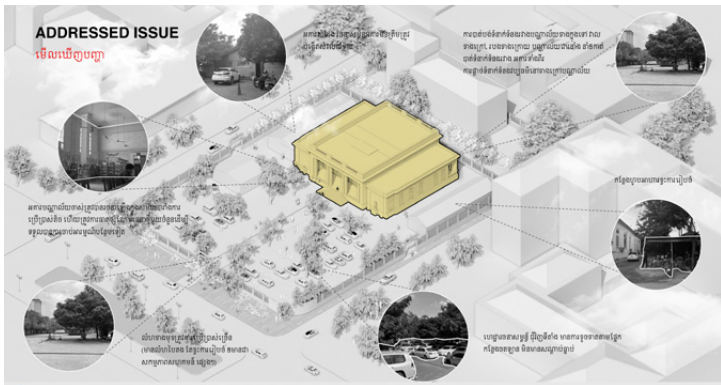


ONE VILLAGE ONE COMMUNITY

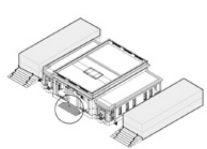
Competition Project
Location: Phnom Penh, Cambodia
Year: 2024
Type: Urban Context

Under the topic of one village one community, this competition project aims to revitalize the existing site in the capital to create more community space and to attract the locals and tourism. I picked one of the sites in the past French district which our public perception see it as the district of administrative area.

The current state of the national library site which was built during the French protectorate period and is now registered as a heritage building. With the aging infrastructure, strict space functions, and the front space acts as a parking space instead. By proposing new buildings that reflect the Khmer identity to contrast the existing context on both sides to support new function and library functions + the front space to an outdoor gathering plaza for the community.

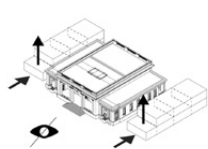


The National Library and its surroundings face several challenges that impact its functionality and community engagement. The nearby performance building has an improper structural design, causing noise disturbances. Additionally, the library's back fence acts as a barrier, disconnecting the interior from the outdoor field and limiting interaction between the two buildings, ultimately isolating cultural engagement outside. The old library, built during the French colonial period, has low usage and requires design improvements to attract more visitors. Furthermore, the surrounding infrastructure is deteriorating, with disorganized parking and damaged areas. The front open space, while having greenery, lacks proper arrangement to support diverse community activities, limiting its potential use.



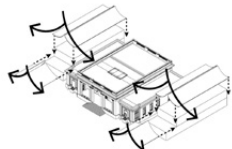
SITE

Firstly, I want to create the new building inspired from the French building library next to it look like the rectangle shape layout. So it looks like it blends well with the location context and the interior it can be divided to serve the new program.



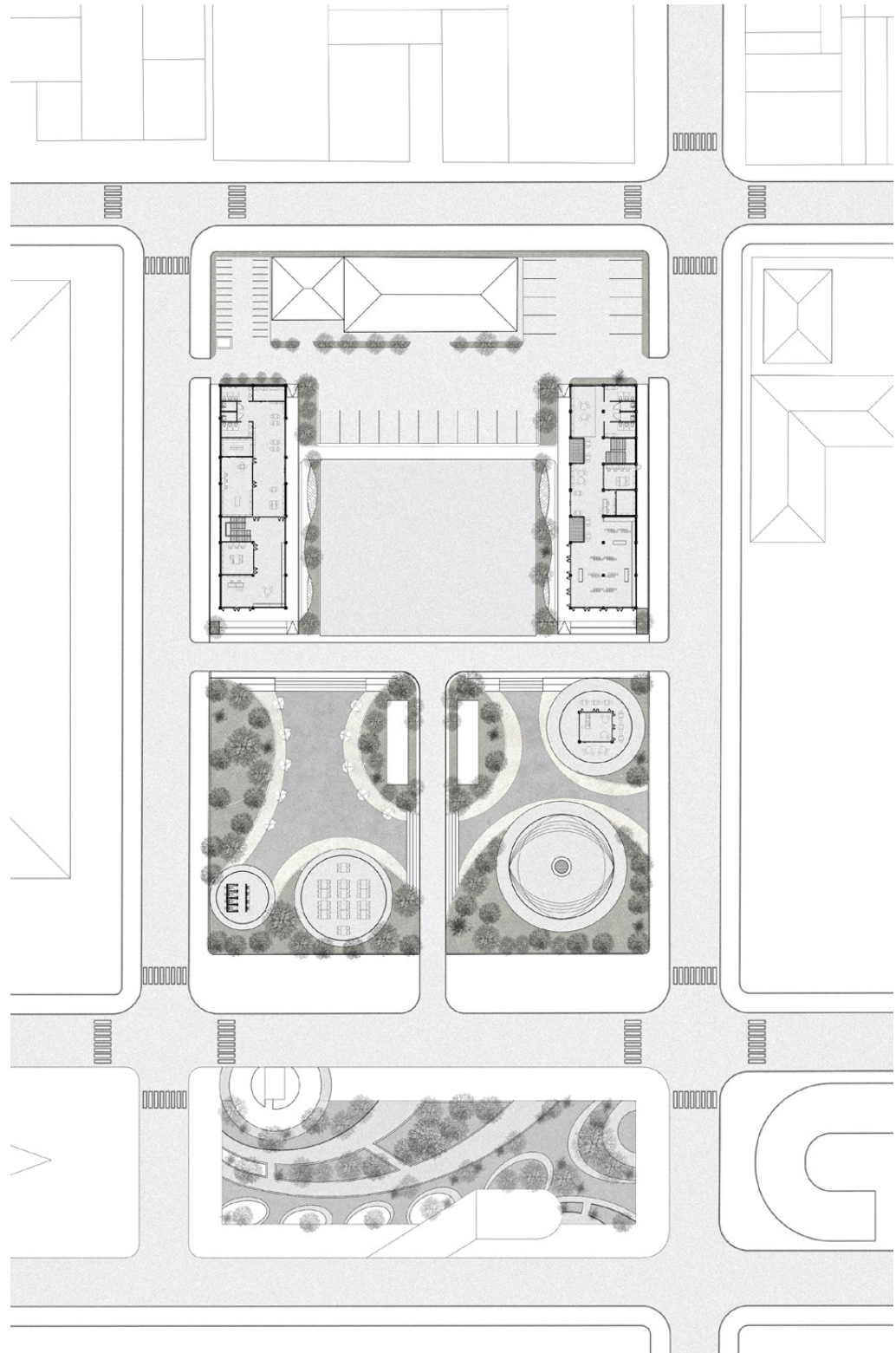
DEDUCT

Second, I deducted the frontal part of the new building so that the roofing can be lower than nearby building there and not to cover the front view of the French library building.



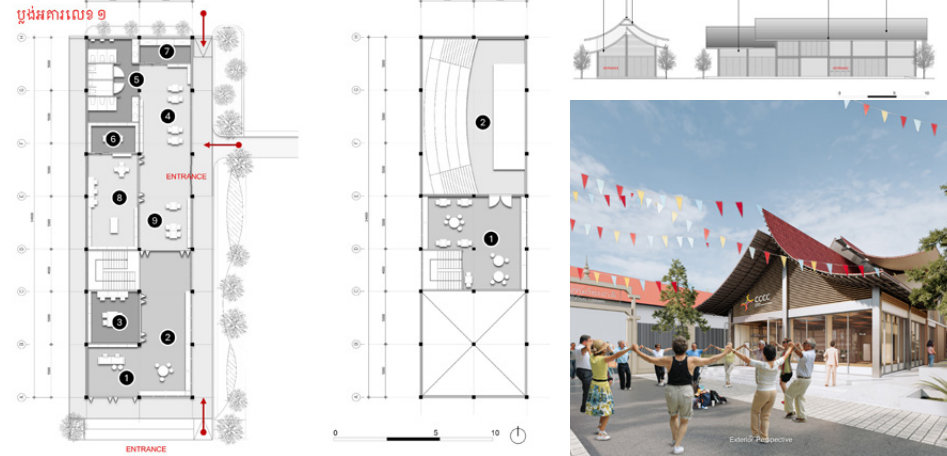
ELEMENT

Thirdly, I applied the Khmer roofing idea to the new building but the roof has been curved inside the interior a bit, to create a new form of design similar to an open book. Potential benefits of curving the roof inward: Play with Natural Light, Enhance Air Circulation and Wind Resistance

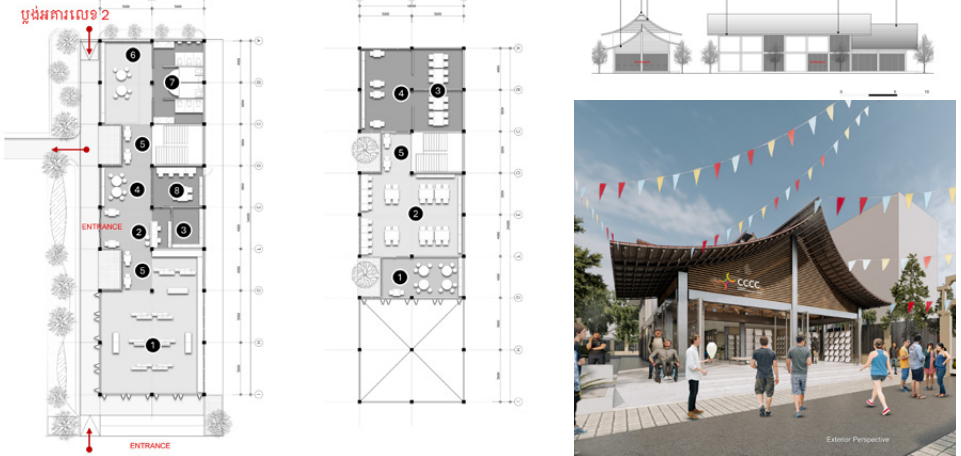


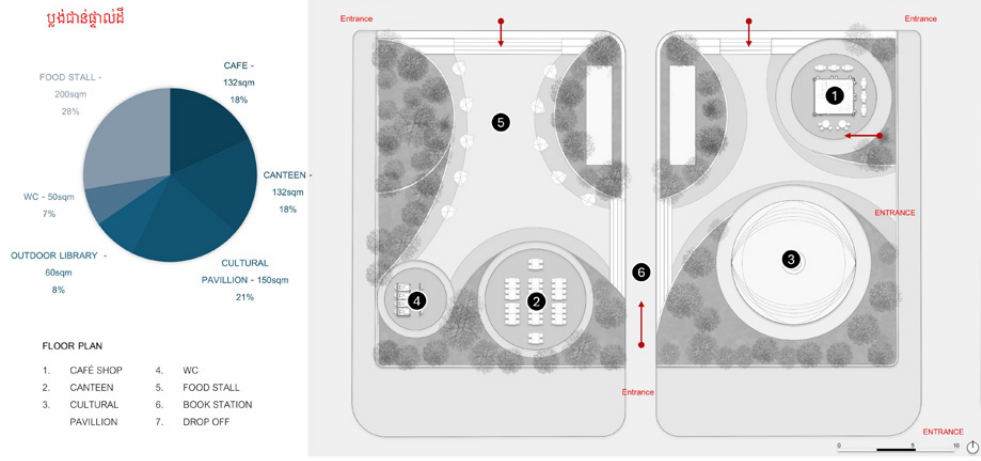


HALL 01 – FLOOR PLAN



HALL 02 – FLOOR PLAN





/MORE ON

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OFFICE BUILDING – KOTO KU



ON THE LINE - THAILAND



BAAN SDR - THAILAND