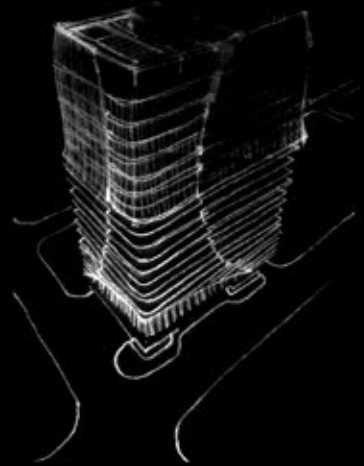
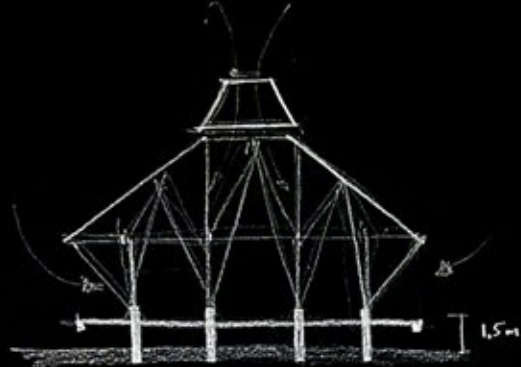


LEAKHENA SETHA
ARCHITECT'S PORTFOLIO
SELECTED WORKS 2023



CONTENT.

1 COVER

2-3 CONTENT

4-5 CURRICULUM VITAE

6-7 SELECTED WORKS

8-24 NIRON

27-37 NEST

38-61 VINE

62-63 OTHER NOTED PROJECTS

64-65 PROJECTS LIST

66 END.

PROFILE

LN
GN
POB
DOB
NAT
ETH

**SETHA
LEAKHENA**
Phnom Penh, Cambodia
08 September 1987
Cambodian
Khmer

CONTACT

EMAIL leakhena.setha@live.com
CELL +855(0)96542228

EDUCATION

2005-2010 **MOSCOW INSTITUTE OF ARCHITECTURE
(STATE ACADEMY) (MARCHI)**
MOSCOW, RUSSIA
BACHELOR OF ARCHITECTURE

2003-2005 **REGENT SCHOOL OF BUSINESS**
PHNOM PENH, CAMBODIA
DIPLOMA IN BUSINESS STUDIES

INTERNSHIP & TRAINING

2009 **THE VANN MOLYVANN PROJECT**
PHNOM PENH, CAMBODIA
INTERN
• Survey and documentation of heritage buildings by Vann Molyvann

2019 **ANDO PROGRAMME 2019** OSAKA, JAPAN
ALUMNUS
• General training at Obayashi Corporation: construction, design and engineering technology
• Tadao Ando's works study
• Interview with the architect



VOLUNTEERING

2010 **THE VANN MOLYVANN PROJECT**
PHNOM PENH, CAMBODIA
PROJECT STAFF
• Worked on surveys, free-hand, CAD drawings, drafting, and building physical models of heritage buildings

2012 **ROYAL UNIVERSITY OF FINE ARTS**
PHNOM PENH, CAMBODIA
ARCHITECTURAL INSTRUCTOR
• Temporary instructor/Project advisor to architectural students on bachelor's thesis.

DESIGN SOFTWARE SKILLS

ADVANCED	AUTOCAD REVIT PHOTOSHOP	SKETCHUP LUMION INDESIGN
BASIC	ILLUSTRATOR ARCHICAD VRAY	RHINO 3D ENSCAPE

LANGUAGES

PROFESSIONAL	KHMER RUSSIAN ENGLISH
BASIC	JAPANESE FRENCH

ARCHITECT'S THOUGHT

My becoming an architect was accidental, my maintenance of being one is hope. I design to build for the end user providing every details be taking account to the millimetre. I am in search of societies where architects are valued as visionaries of sustainable living and be a crucial part of it.

CURRICULUM VITAE

PRO EXPERIENCE

2019-PRESENT **NIRON STUDIO** . PHNOM PENH, CAMBODIA
www.niron.asia
PRINCIPAL ARCHITECT (OWNER)
• Initiated in-house conceptual, research and development projects
• Handled clients' design work from concept design to construction phases on interior and exterior architectural projects
• Managed creative process and construction implementation of test project on modular wooden prefab house
• Oversaw progress in construction, new construction and renovation, in liaison with consultants, contractors, and crafters
• Communicated with clients on budget revisions, quotations adjustments and procurement.

2017-2019 **T3 ARCHITECTS** . PHNOM PENH, CAMBODIA
PROJECT MANAGER
• Managed construction sites
• Designed projects focuses on sustainable building design and interior architecture
• Led designs in liaison with consultants and French clients.

2016-2017 **MAD CREATIVE** . PHNOM PENH, CAMBODIA
DIRECTOR OF ARCHITECTURE
• General management of design progress, scheduling, budgeting and communication of projects
• Managed design team and quality control over finished design and approvals
• Curated with designers and clients over design process, schedules, budgets and over planning of projects
• Coordinated tasks between contractors, suppliers, clients, and designers
• Prepared staff training and lead internal on-site and off-site training programmes and discussion panels with designers.
DESIGN MANAGER
• Designed interior projects on conceptual and development phases
• Prepared design documents approval and sign-off
• Handled recruitment process for the graphic and architectural designers.

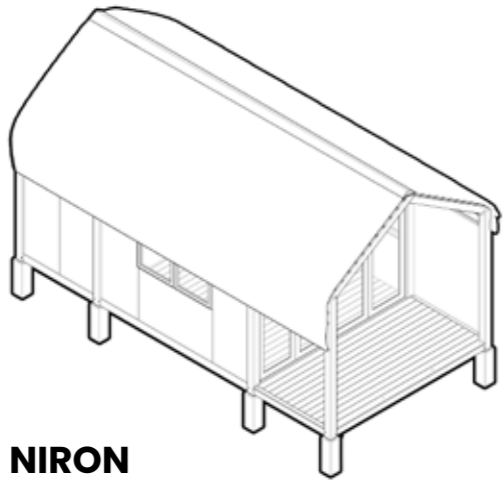
2013-2016 **ARCHETYPE GROUP** . PHNOM PENH, CAMBODIA
DEPUTY ARCHITECTURAL DESIGN MANAGER / ARCHITECT Level IV
• Led a team leader in urban design, industrial, healthcare projects
• Implemented and managed of design process, collaborating with design director, managers and consultants
• Designation on all design stages, communication with clients and consultants.
• Produced full design documentations
• Supervised construction sites and curated construction materials
ARCHITECT Level II, III
• Led architectural team for urban planning projects, delivery of all design stages in contract, monitor design progress.
• Delivered designs to project owners under supervision of senior architects, introduction to BIM implementation.

2010-2011 **ARCHITECT Level I**
• Participated in a large-scale residential development on Koh Puos Island, Sihanoukville, Cambodia; an extension of Siem Reap Airport and other projects in rushed deadlines.
• Worked on drafting, organising 2D drawings files, completion of detailed documents in collaboration with work team, urban planning, and architecture design supervisors and managers.

2012 **FREELANCE ARCHITECT** . PHNOM PENH, CAMBODIA
• Designed various independent projects in conceptual stages, proposals for small-scale commercial buildings, collaboration with various designers on residential developments.
• Worked on concept designs, preliminary design, details designs and prepared construction documents, and building license.

2011 **HOK KANG ARCHITECTS** . PHNOM PENH, CAMBODIA
JUNIOR ARCHITECT
• Designed small intimate projects for local clients
• Worked on designs for a public place project the confluence as a continuation of the principle's concept, head start on prefabricated housing concept in Cambodia.

2010 **OVERSEAS CAMBODIA INVESTMENT CORPORATION . OCIC** . PHNOM PENH, CAMBODIA
PROJECT ARCHITECT
• Managed a multifunctional City Hall of Diamond Island development
• Designed for façades re-design, exterior and interior detailing, site management, architectural and structural drawings check.
• Worked in liaison with A7 Corporation team in Bangkok, Thailand.



NIRON



NEST



VINE

NIRON MODULAR PREFAB WOOD HOUSE

IN-HOUSE TEST PROJECT

BRIEF

TYPE: MODULAR DESIGN/WOODEN ARCHITECTURE

CLIENT: IN-HOUSE R&D

LOCATION: TA KHMAU, CBD

ARC COMPANY: NIRON STUDIO

TASK: CONCEPT RESEARCH & DEVELOPMENT

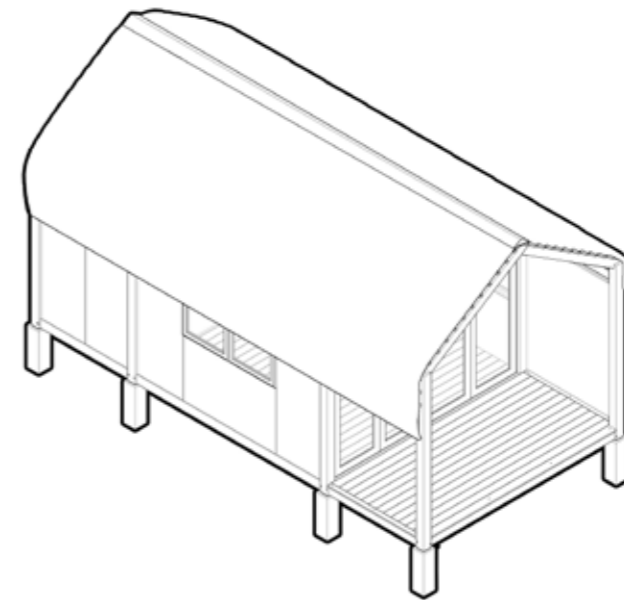
AREA: 24 SQM

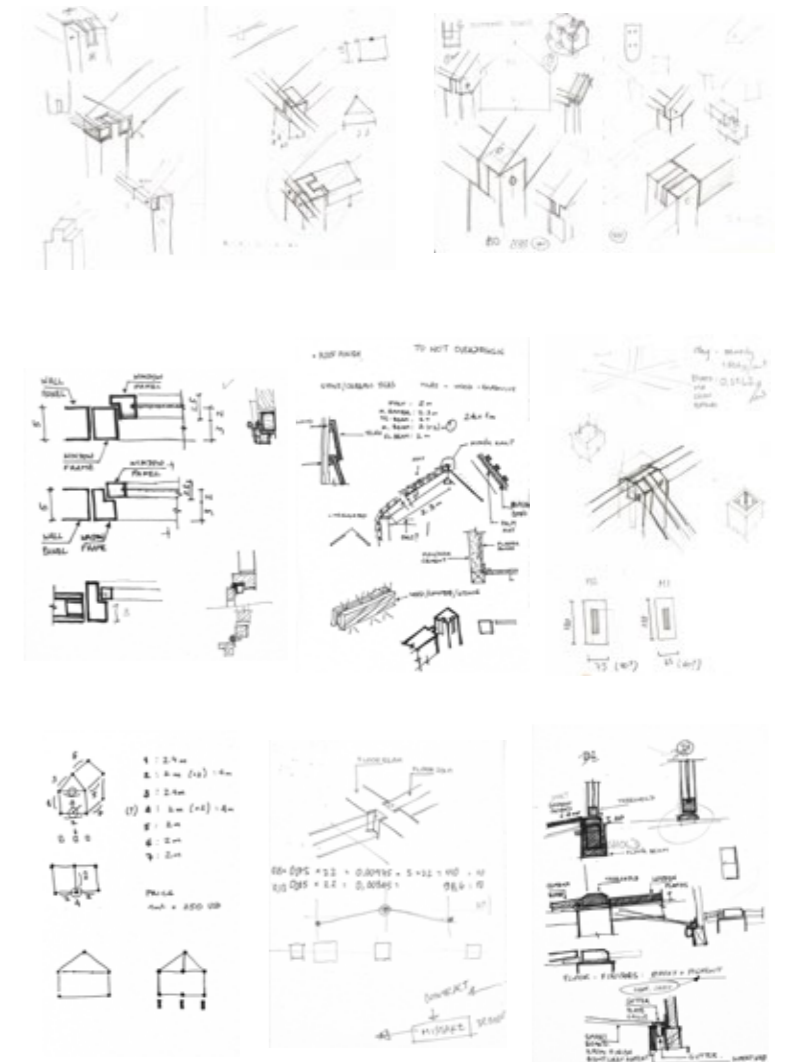
STATUS: COMPLETE 2018-2020

LEAKHENA'S ROLE: DESIGN. 3D MODELLING. TECHNICAL DRAWINGS. INSTALLATION

IN SHORT

TESTING CONCEPT OF SUSTAINABLE LIVING WHERE TRADITIONAL PROPERTIES OF KHMER WOODEN ARCHITECTURE CAN BE REVIVED THROUGH MODULAR SYSTEM.





Niron House.

The wood house was created with the purpose to influence local wood crafting to adapt to modern living conditions in Cambodia. This project design is based on modular systems of repetitive elements of structure, walls, floors, doors, and windows that have loadable, standard units. These units help shorten and ease the production process with thought-out structural joinery, which is similar to Khmer traditional building system. The upgraded design supports the system which allows builders accomplish easy and quick assembly.

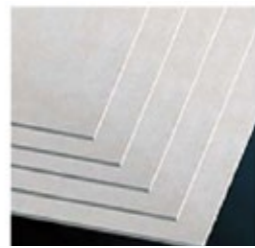
MADE.

The main idea of using sustainable building materials such as wood, recycled and natural local crafted products is to support healthy well being of the dweller and minimise environmental impact to the location it is in.

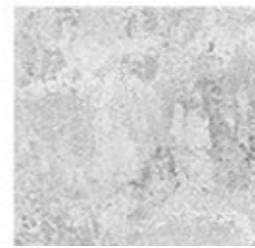
Niron House consists of 90% wood, a natural material that is renewable and energy efficient resource is a sustainable material for building, with a lighter carbon footprint than steel or concrete. Wooden products locks approximately 1 ton of CO2 per 1 m3 of wood.



Wood Reclaimed



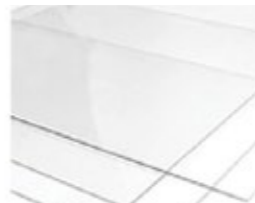
Fiber Cement Board



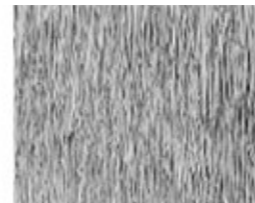
Concrete



Plywood

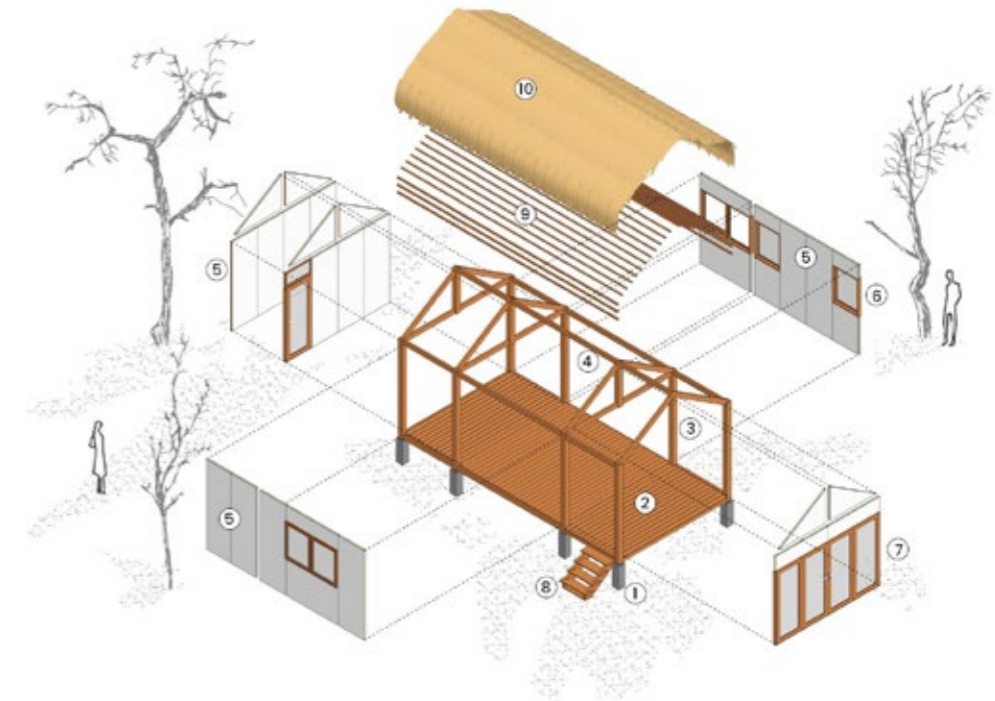


Clear glass



Thatch

SYSTEM.



1. Concrete footing
2. Wooden flooring
3. Wooden structural beam
4. Wooden roof beam
5. Wood panel with double layers plywood inside/smartboard outside
6. Clear glass swing window with wooden frame
7. Glass swing door/ fixed with wooden frame
8. Wooden stair
9. Roof battens
10. Thatch roof

PURPOSE.



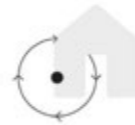
Site Adaptation: This design follows the concept of bio-climatic control for local climate by having natural ventilation, shading, eco materials for thermal and visual comfort whether it's hot or wet season.

Easy assembly: all elements of the house are prepared at our workshop. Installation manual is provided for clear assembly.



Local Materials: Built with wood, thatch and minimal imported products that are easily found within the community makes it sustainable and convenience for builders.

Lifespan: As wood being used is reclaimed from years old house, it gives perfect moisture content that strengthen the elements, allowing for continuous long life span.



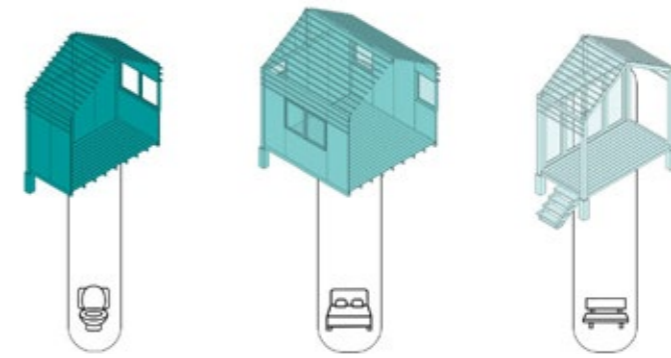
Prefabrication: Minimising labour burden on site, each pieces are designed with systematic dimension, labeled and will be transported compactly by medium size truck.

Quick to Deploy: As all pieces of structures, wall panels, windows, doors and roof covers are already prepared and labeled systematically, assembly makes quick and easy as well as dismantle.

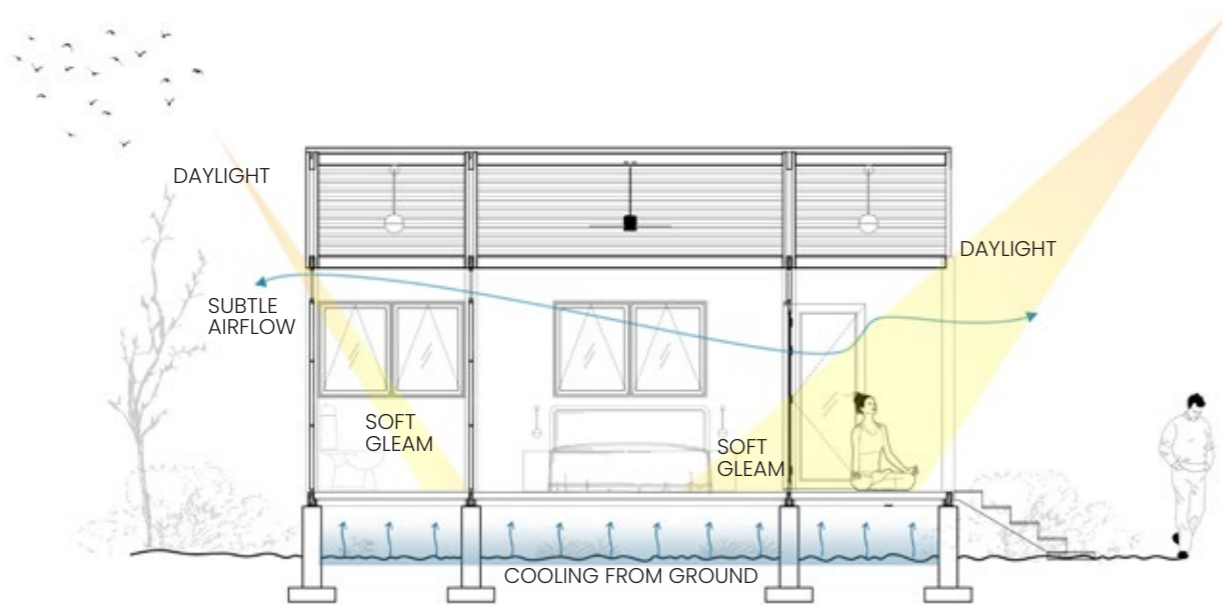


SECTION OF FUNCTION.

It contains 3 main blocks of spaces to define with different sizes include Outdoor unit, Bedroom unit and Bathroom unit. Foundation is needed to raise up the floor for moisture prevention, natural insulation, reduce flood risk, options of view points of surrounding nature. The veranda creates a welcoming atmosphere before entering the indoors.

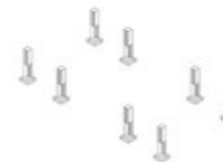


ADAPTING.



BUILDING PROCESS.

1



Digging holes for concrete footing to support all the columns and to raise from the ground at desired level.

2



The structure elements pieces, produced in our workshop, arrive on site ready to install.

3



Install structural elements:
1) floor beams and posts
2) floor joists then ceiling beams
3) rafters and ridge beams.

4



Install floor panels, battens and roof cover.

5



Place the rest of the wall panels, doors, windows and other accessories.

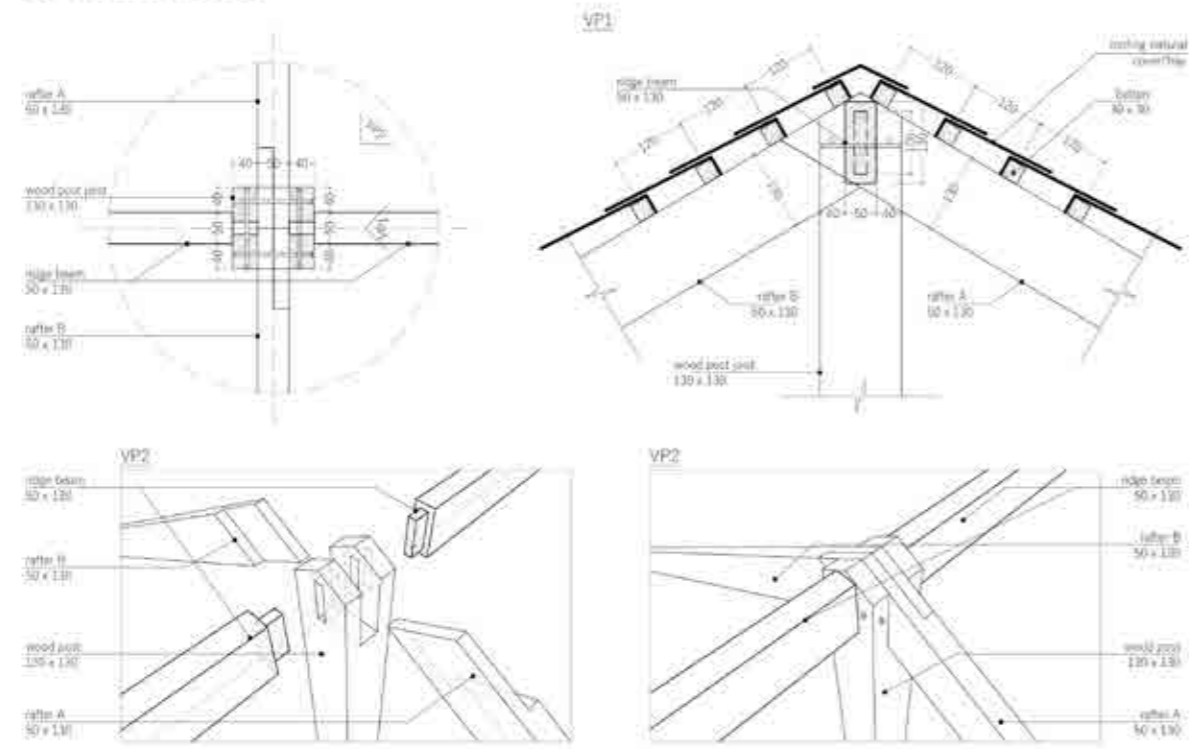
6



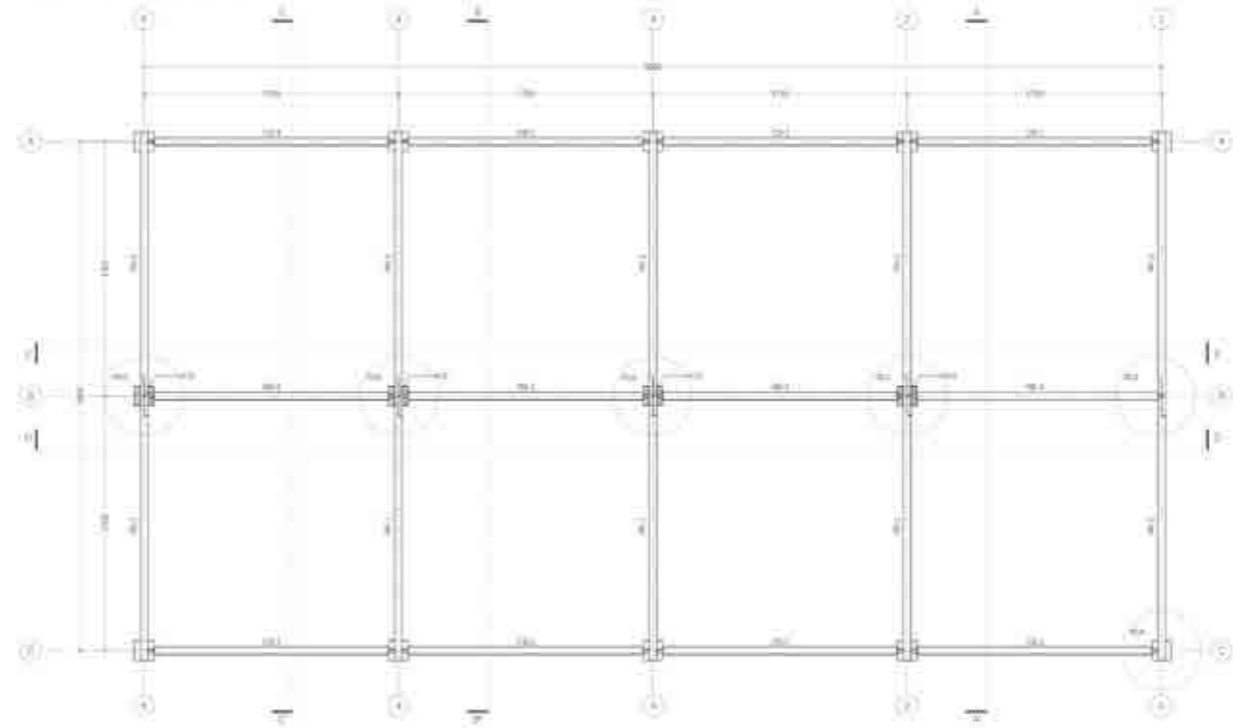
Loose furnitures are ready to move in.

WORKING DRAWINGS.

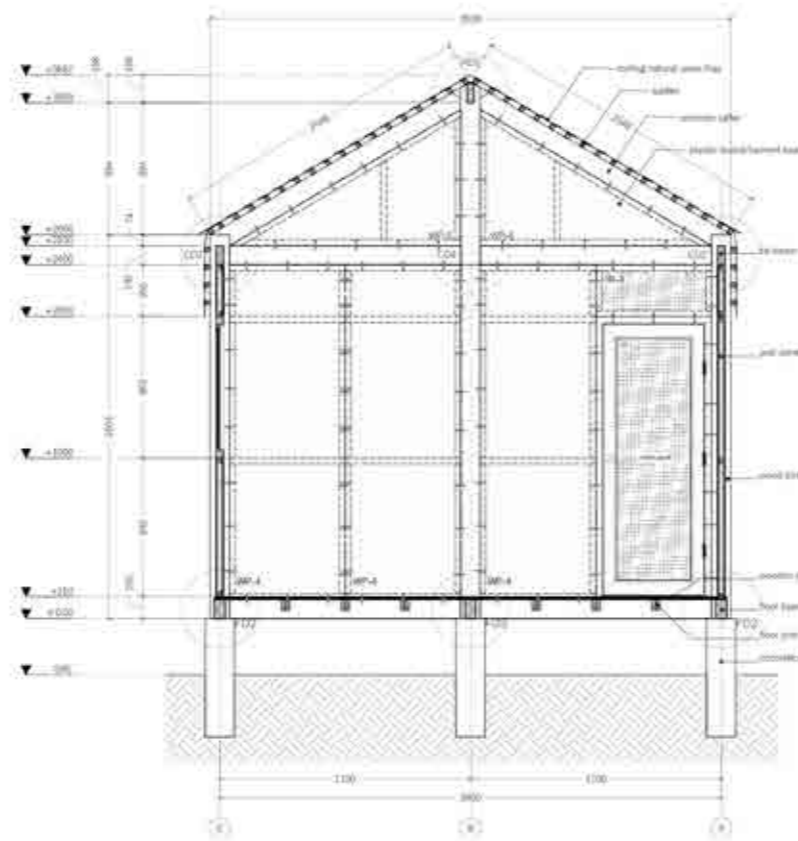
RD2 - ROOF BEAM JOINT DETAIL 2



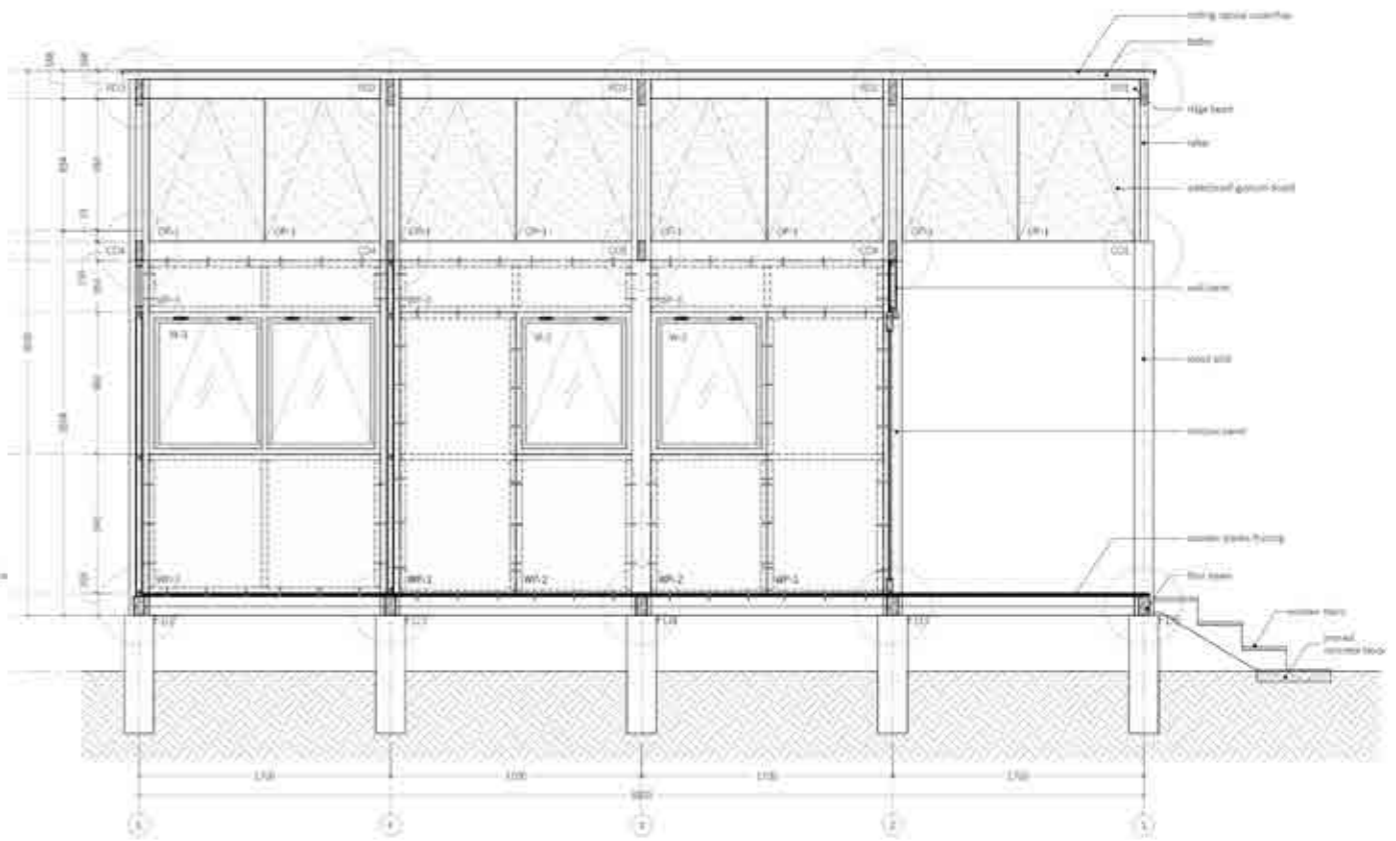
ROOF BEAM STRUCTURE LAYOUT



SECTION B-B' LAYOUT



SECTION D-D'



CONSTRUCTION.

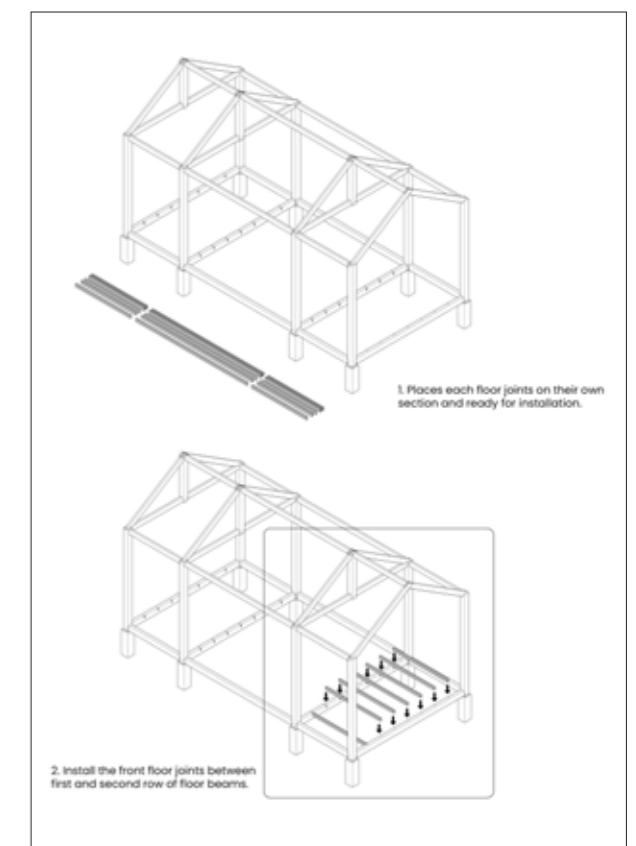
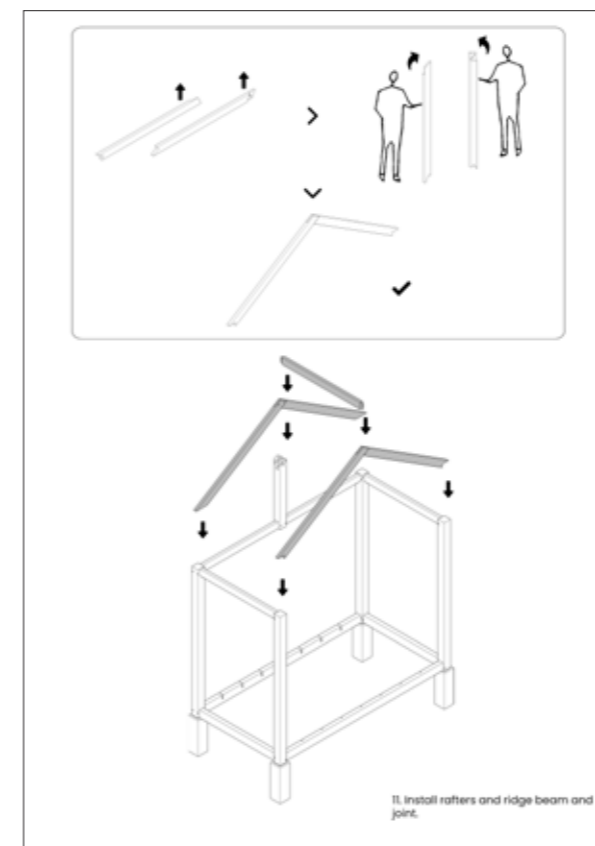
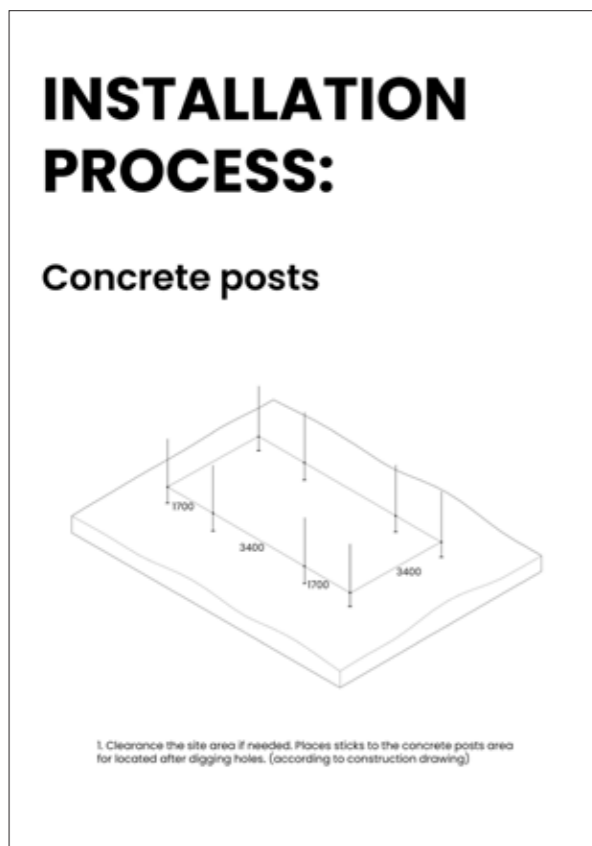
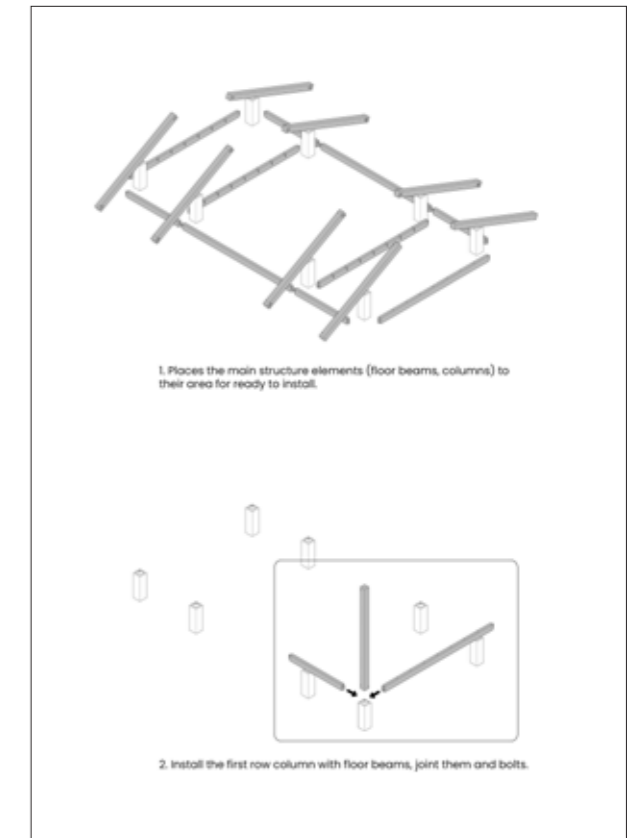
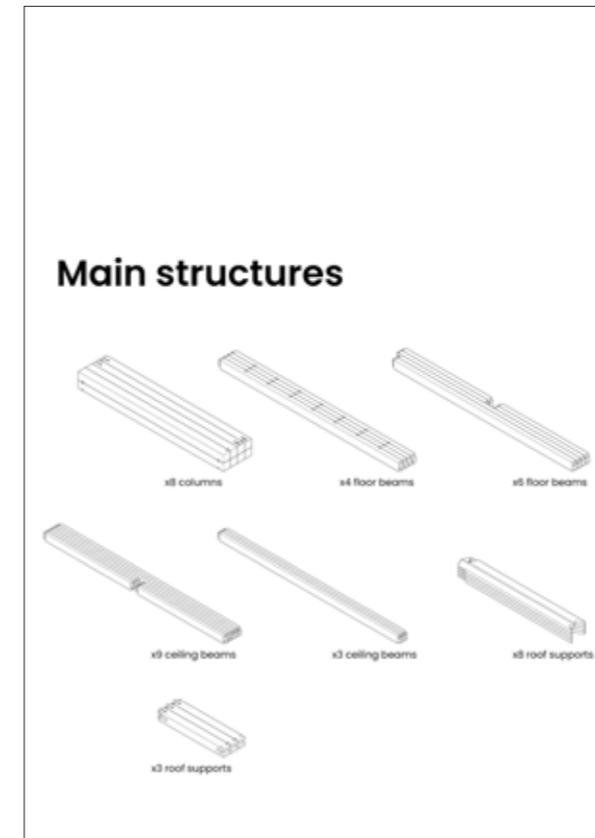
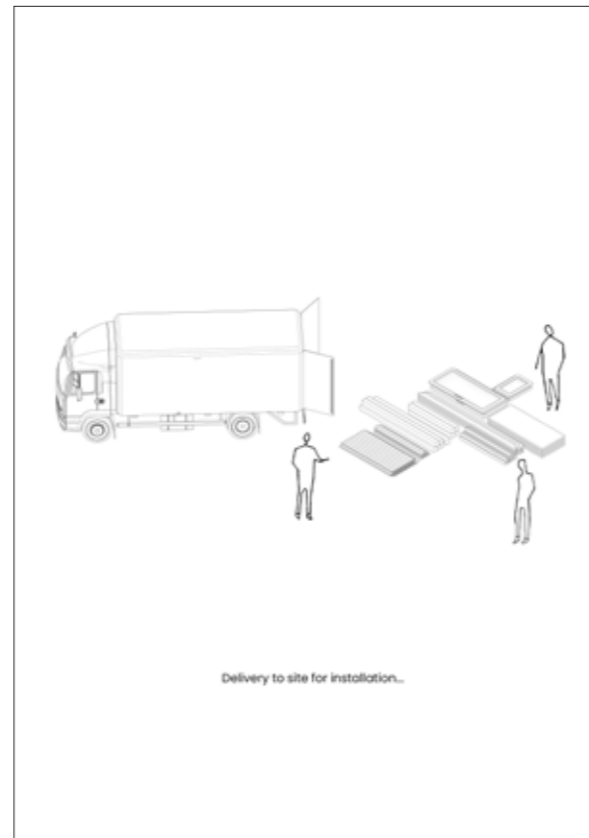
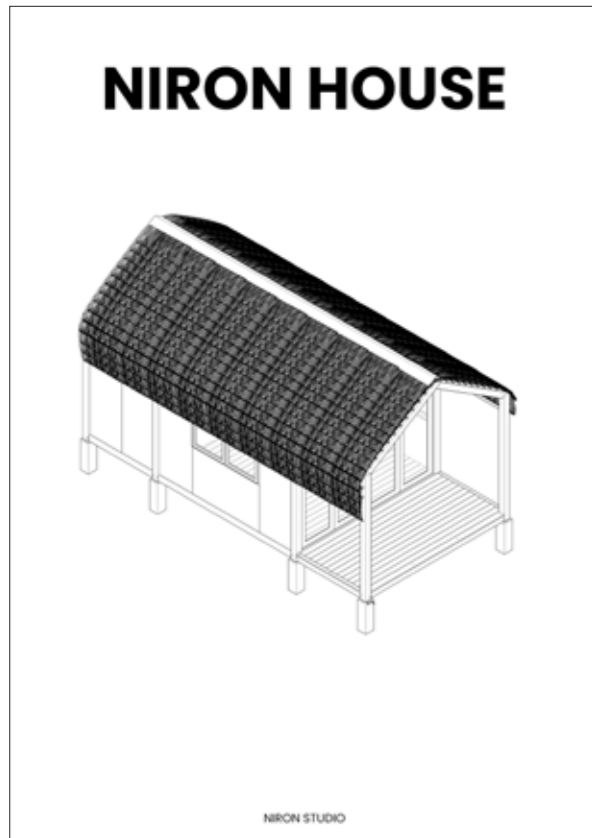
Workshop preparation.



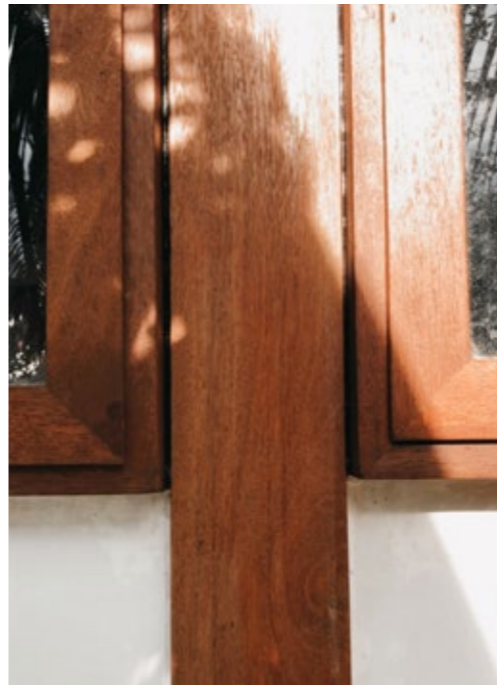
On-site installation.



CONSTRUCTION MANUAL.

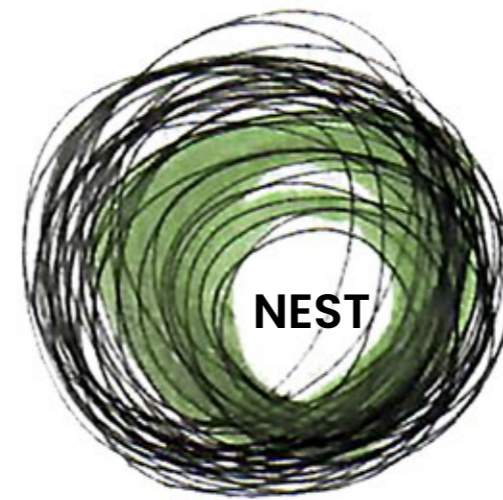


NOTE: RANDOM PAGES OF THE DOCUMENT ARE SHOWN.



more about the test project:
niron.asia







INTERIOR DESIGN FOR SOMBOK BRASSERIE

CIRCA 2019

**NEST.
HOME COMING.
FULL CIRCLE.**

BRIEF
TYPE: INTERIOR/F&B/RENOVATION
CLIENT: RESTAURANTS COLLECTION
LOCATION: PHNOM PENH, CBD
ARC COMPANY: NIRON STUDIO
TASK: CONCEPT PLANNING AND TECHNICAL DESIGN
AREA: 400 SQM
STATUS: COMPLETE (DECORS MODIFIED) 2021
LEAKHENA'S ROLE: DESIGN . 3D MODELLING . RENDERING . TECHNICAL DRAWINGS
ASSISTANT ARCHITECT: 2D DRAFTING

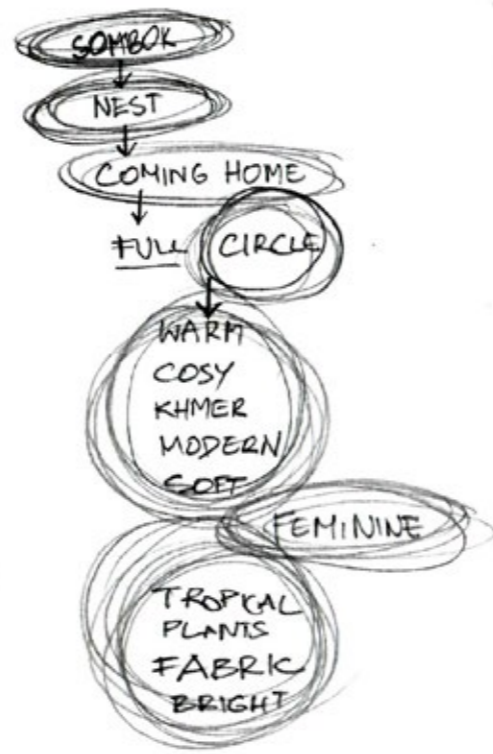
IN SHORT
Project formed to reflect uniqueness of a fine-dining institution where professional capacity is heavily based on feminine concept from staff to architecture.

DESIGN PRINCIPLE

The interior space becomes a setting to tell the story of this new inspired eatery where the chefs and the food come full circle after gathering international experience and applying that to local food with flair - to establish a modern, fine dining version of Khmer cuisine.

Taking cue from the name - **Sombok** meaning 'nest' in Khmer language, the restaurant has an all-female team from servers to chefs. The design for the space, hence, strives not only to achieve a cozy and warm atmosphere but also seeks to become a modern space that is inspired by traditional Cambodian feminine traits, highlighted with silky fabric decor suspending from the high ceiling of the main dining hall.

Circular shapes, local fabric in hues of earthy colours, indoor tropical plants, light-framed furniture and local art come together to invent an apt, bold, feminine setting for this modern fushion brasserie.



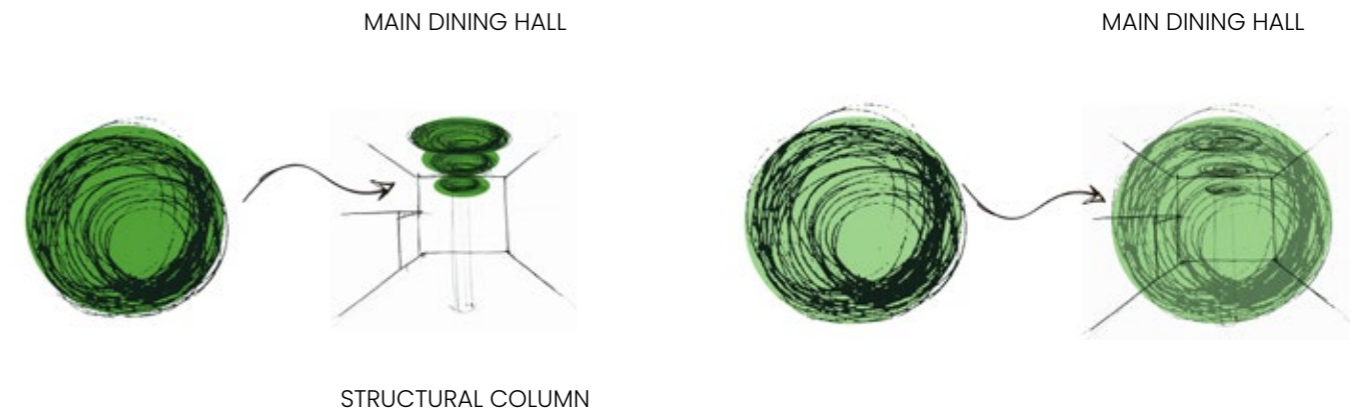
CONCEPT APPROACH

Design of the space gives resemblance of warm nesting atmosphere with light fabric shaped in circular movement from all directions within the space.

The existing space is rectangular in plan with 3 structural columns in the centre. In order to camouflage these columns with the 'nest' concept in use by:

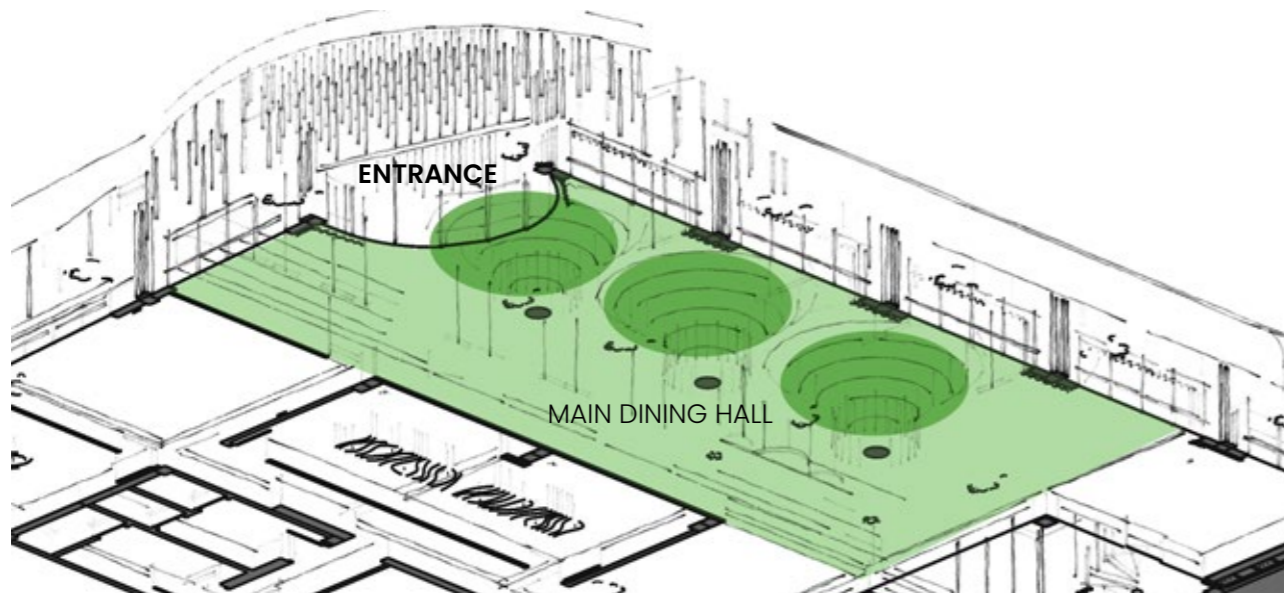
1. statement nests at every column.

2. side drapes on the perimetre of the enclosed upper wall.

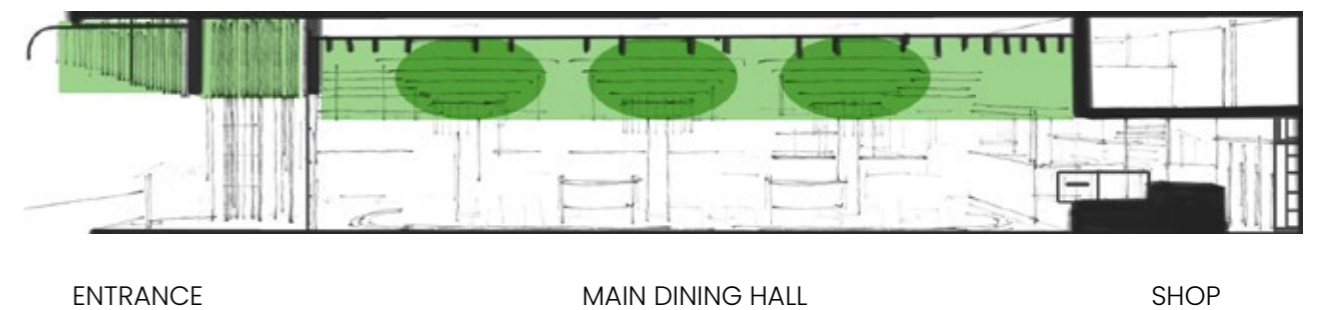


CEILING DRAPERIES ARRANGEMENT

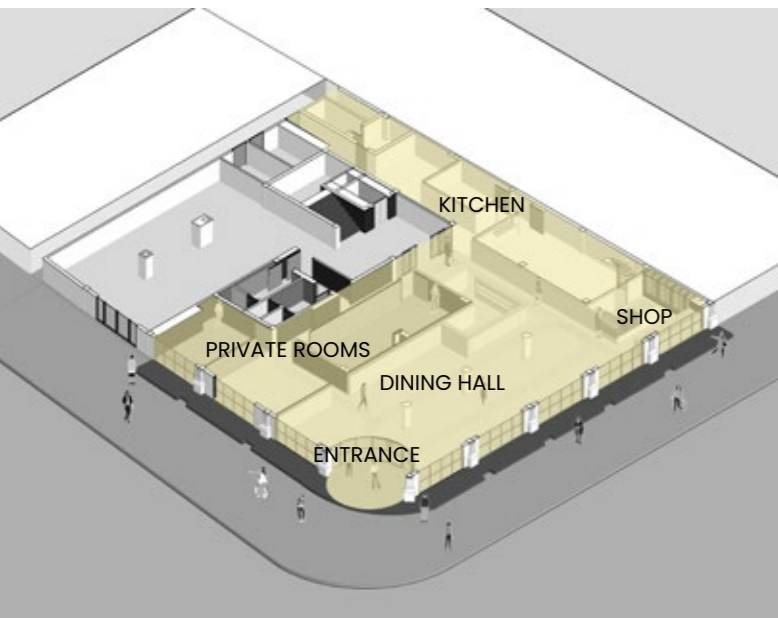
"NESTING" DRAPERY AT CEILING AT COLUMNS & UPPER SIDE WALLS . UPWARDS TO CEILING VIEW



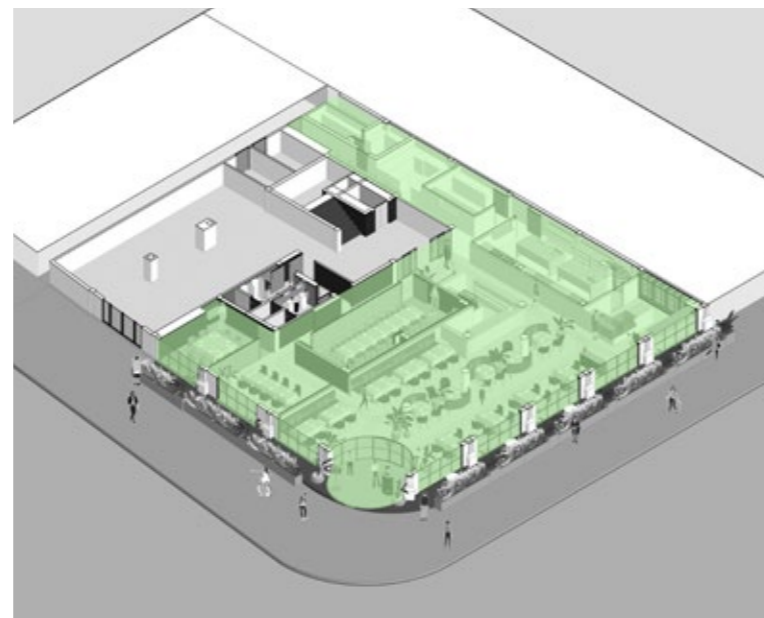
"NESTING" DRAPERY SHOWN IN LONGITUDINAL SECTION, MAIN DINING AREA



DESIGN LAYERS



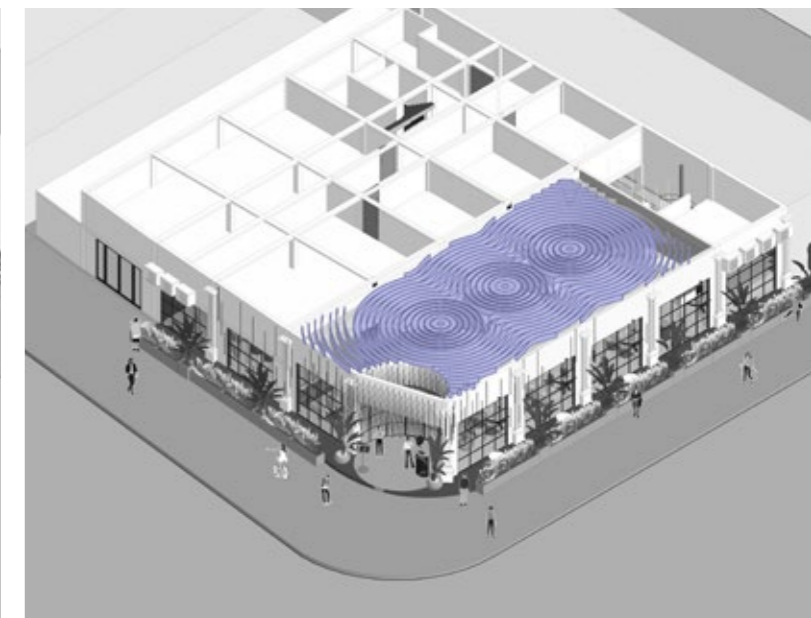
EXISTING SPACE
Specific areas are designated for dining, circulation, back of house and cooking.



DINERS VIEWS
Arranged to accommodate different diners' comfort and access to privacy, seats are designed to give different and interesting views on each visits.



SPACE EXTENSION SURFACE
Given a narrow disadvantage of existing space, wall mirrors are placed to enlarge main dining area.



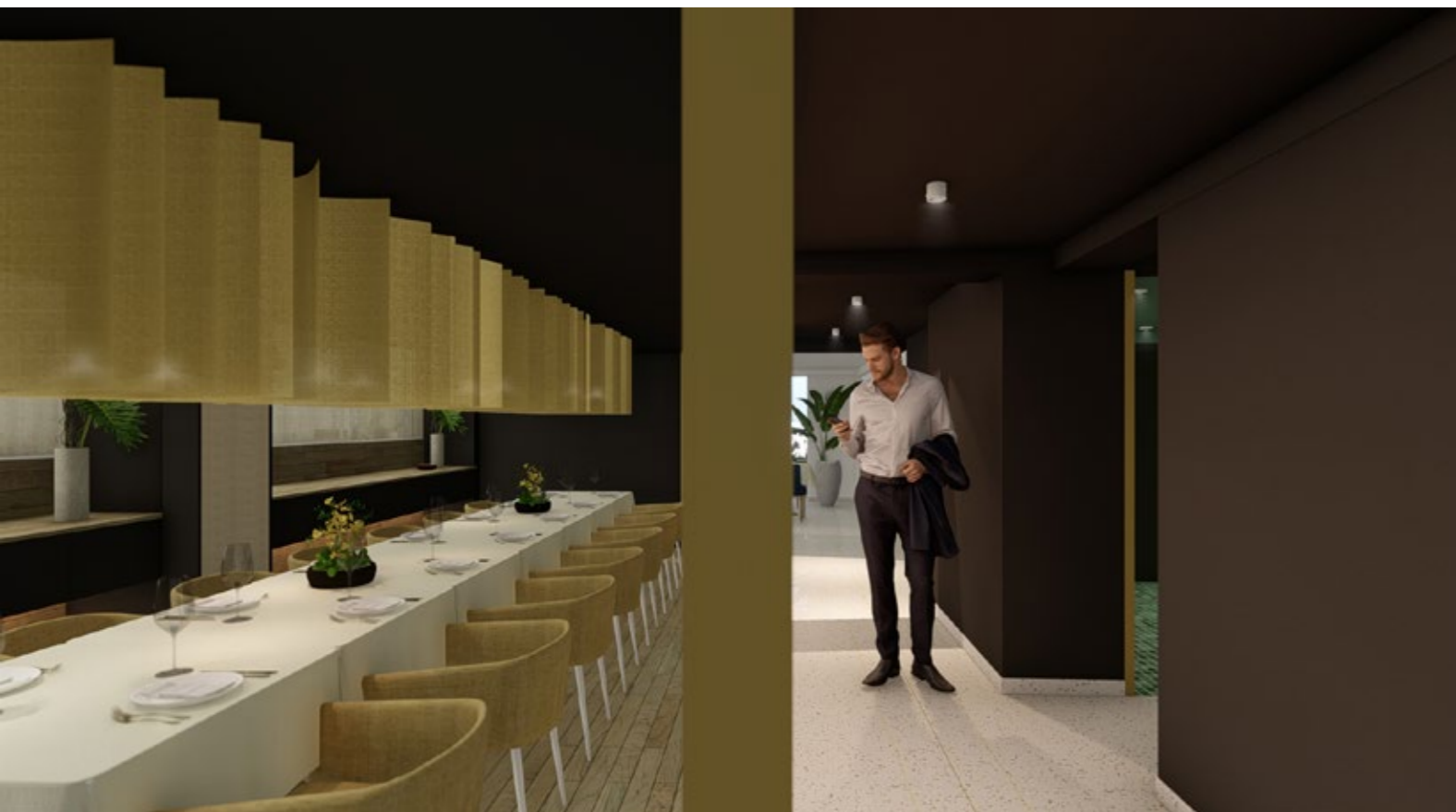
NEST DRAPERY
Presentated by layers of soft silky fabric hung from the ceiling to the upper side of the walls in the main dining hall.



The restaurant **entrance** welcomes diners with an embrella canopy with suspended lighting drops from the outdoors. The doorway is designed in circular buffer zone for maitre d' to greet visitors into the interior "nest" space. Outdoors seating is available for those who desires fresh area and clear river view.



Layout arrangement is made up of **common area**, private rooms, a shop and back of house spaces. Common area is distinguished by the central drapery at the structural columns and perimetre of all upper wall surfaces. Lower part of the walls put together by mirrors for extended illusion of the space beside lighting effect. The drapery also serves as soft and fluid atmosphere.

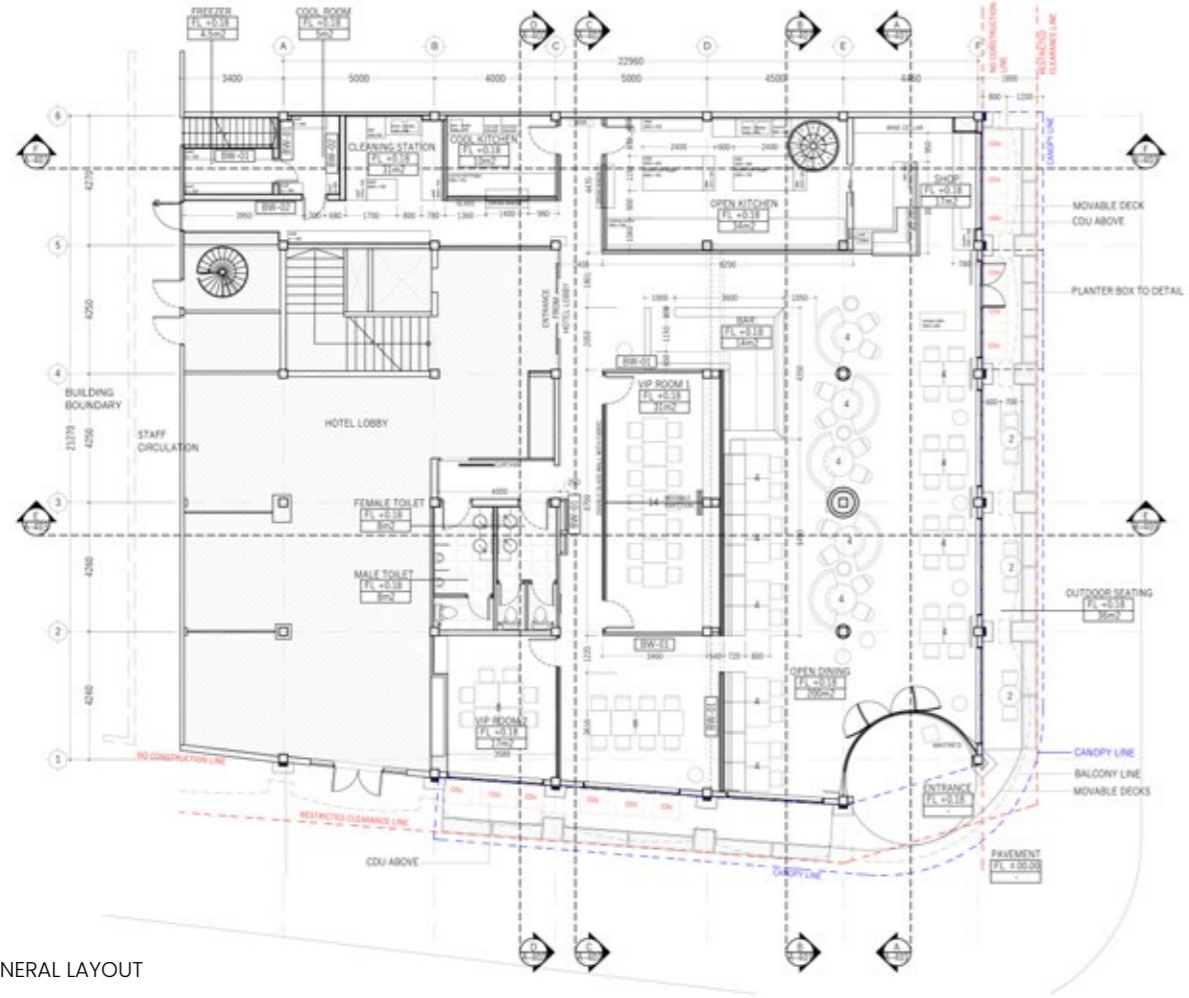


For intimate gatherings, diners are assigned to **private rooms** with contrast atmosphere from the open dining area. Creating a warm look yet elegant, a rougher textured fabric ceiling installation is designed with spotlights above the table and full length of service counter.

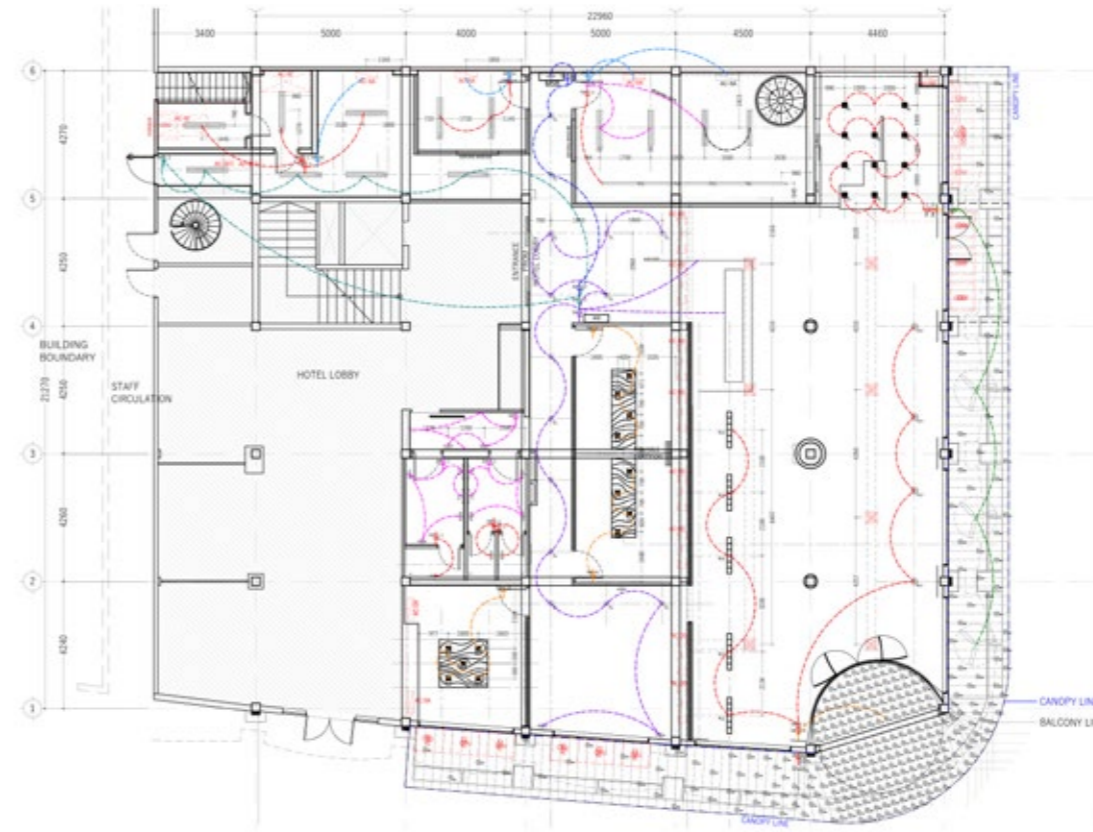


Selected **materials** are minimal simultaneously has sophisticated properties with terrazzo finishes including flooring and counters. The homogeneous material transforms the main area into having bright and soft aura that the restaurant aims to match with its food.

TECHNICAL DRAWINGS

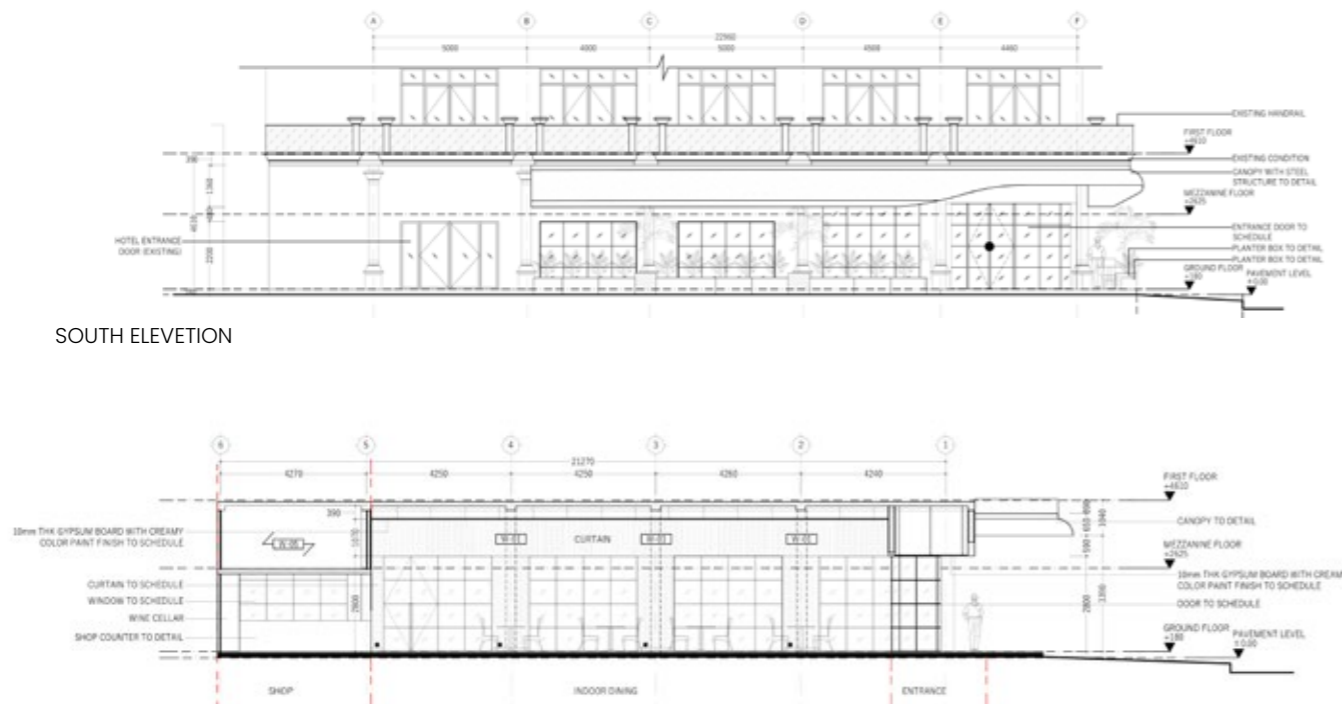


GENERAL LAYOUT



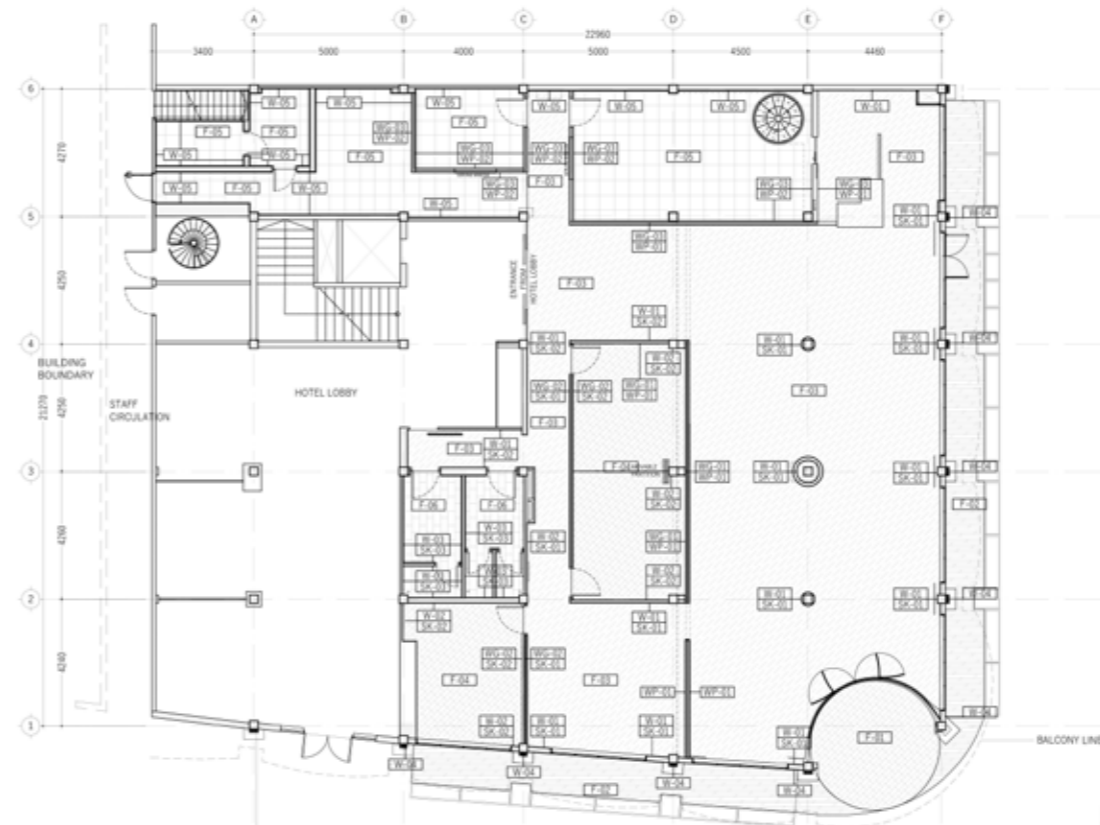
ELECTRICAL LAYOUT

LIGHTING LEGEND	
SYMBOL	DESCRIPTION
DL1	DL1 - LED HANGING DOWNLIGHT TYPE 1 - WARM 500-600 LUM
DL2	DL2 - LED HANGING DOWNLIGHT TYPE 2 - WARM 500-600 LUM
DL3	DL3 - LED HANGING DOWNLIGHT TYPE 3 - WARM 500-600 LUM
PL	PL - LED RECESSED LIGHT 500-600 LUM
TL	TL - LED SLAB MOUNT LIGHT 500-600 LUM
ML	ML - LED MINI SPOTLIGHTS 300-400 LUM
WL	WL - LED MINI WALL LIGHT 300-400 LUM
PL1	PL1 - LED PENDANT LIGHT TYPE 1 - WARM 500-600 LUM
PL2	PL2 - LED HANGING DOWNLIGHT TYPE 2 - WARM 500-600 LUM
TL1	LED TUBE LIGHTS 800 LUM
TL2	LED TUBE LIGHTS 600 LUM
SWITCH LEGEND	
SYMBOL	DESCRIPTION
SW1	SWITCH 1 GANG 1 WAY
SW2	SWITCH 2 GANG 1 WAY
SW3	SWITCH 3 GANG 1 WAY
SW4	SWITCH 4 GANG 1 WAY
SW5	SWITCH 1 GANG 2 WAY
SW6	SWITCH 2 GANG 2 WAY
SW7	SWITCH A/C
SW8	SWITCH FAN
AC LEGEND	
SYMBOL	DESCRIPTION
AC1	AIR CONDITIONER - SPECIAL EQUIPMENT DASHLESS TRC
AC2	AIR CONDITIONER - DUCT SPLIT
AC3	AIR CONDITIONER - WALL MOUNT SPLIT
OTHER	
SYMBOL	DESCRIPTION
SD	SMOKE DETECTOR
S	SPEAKER



SOUTH ELEVATION

SECTION AA



FINISHES LAYOUT

FLOOR FINISH LEGEND	
SYMBOL	DESCRIPTION
F1	Show THK DARK COLOR TERRAZZO FLOOR FINISH TO SCHEDULE OUTDOORS TO SUBMIT SAMPLE
F2	POI OUTDOOR FLOOR FINISH TO SCHEDULE
F3	Show THK FIBER CEMENT WITH PAINT FINISH TO SCHEDULE
F4	Show THK CREAMY TERRAZZO FLOOR TILE FINISH TO SCHEDULE INDOORS TO SUBMIT SAMPLE
F5	Show THK DARK GREY COLOR TERRAZZO FLOOR TILE FINISH TO SCHEDULE INDOORS TO SUBMIT SAMPLE
F6	300x300mm FLOOR TILE FINISH INDOORS TO SCHEDULE
F7	300x300mm FLOOR TILE FINISH (TOILETS) TO SCHEDULE
WALL & WALL PARTITION FINISH LEGEND	
SYMBOL	DESCRIPTION
W1	Show THK PLASTER WITH CREAMY COLOR PAINT FINISH TO SCHEDULE
W2	Show THK PLASTER WITH DARK GREEN COLOR PAINT FINISH TO SCHEDULE BHP ROOM
W3	Show THK PLASTER WITH COLOR PAINT FINISH TO SCHEDULE (TOILET)
W4	Show THK PLASTER WITH WHITE COLOR PAINT FINISH TO SCHEDULE OUTDOORS
W5	300x300mm WALL TILE FINISH INDOORS TO SCHEDULE
WP1	WALL PARTITION 1200mm HEIGHT PLASTER WITH 20mm THK CREAMY COLOR TERRAZZO FINISH TO SCHEDULE
WP2	WALL PARTITION 1200mm HEIGHT PLASTER WITH 300x300mm Show THK WALL TILE FINISH TO SCHEDULE (KITCHEN AREA)
WP3	UPPER PARTITION OF 5mm THK TEMPERED DOUBLE GLASS WITH FABRIC IN BETWEEN THE GLASS TO DETAIL
WP4	FULL HEIGHT WALL OF 5mm THK TEMPERED DOUBLE GLASS WITH FABRIC IN BETWEEN THE GLASS TO DETAIL
WP5	8MM THK TEMPERED GLASS WALL PARTITION KITCHEN AREA
WP6	MIRROR WALL WITH STICHER FINISH (MEZZANINE WALL)
SKIRTING FINISH LEGEND	
SYMBOL	DESCRIPTION
SK1	Show THK CREAMY TERRAZZO FINISH TO SCHEDULE
SK2	Show THK DARK COLOR TERRAZZO FINISH TO SCHEDULE
SK3	300x300mm TILE FINISH TO SCHEDULE (TOILET)
SK4	300x300mm TILE FINISH TO SCHEDULE (KITCHEN)



VINE

PARLIAMENTARY INSTITUTE OF CAMBODIA

BIOCLIMATIC DESIGN

CIRCA 2018

BRIEF

TYPE: INSTITUTION

CLIENT: SENATE OF CAMBODIA, ASEAN DEPARTMENT

LOCATION: PHNOM PENH, CBD

ARC COMPANY: T3 ARCHITECTS

AREA: 180 SQM

STATUS: COMPLETE 2019

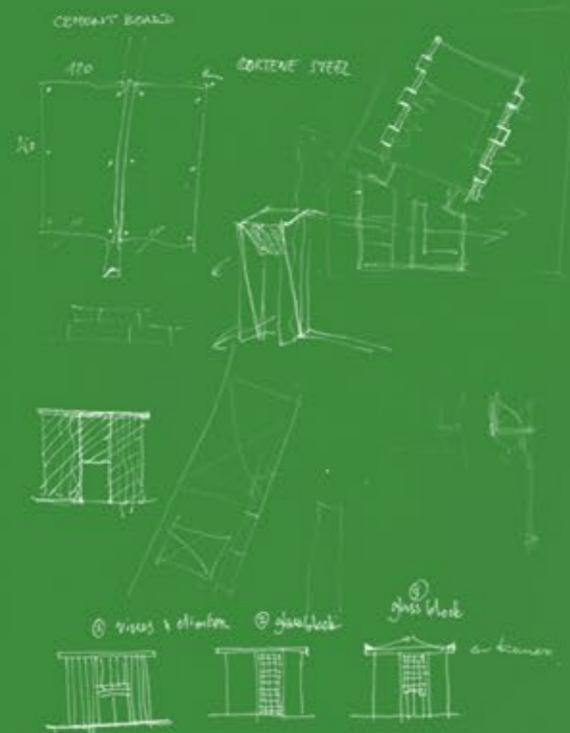
ARCHITECT IN CHARGE: CHARLES GALLAVARDIN
DESIGN. DRAWINGS. 3D MODEL: LEAKHENA SETHA

PROJECT MANAGEMENT: RENAN DELEPINE

IN SHORT

Redefining Modern Khmer Architecture by amalgamating golden history, today's technology and research with sustainable living values.







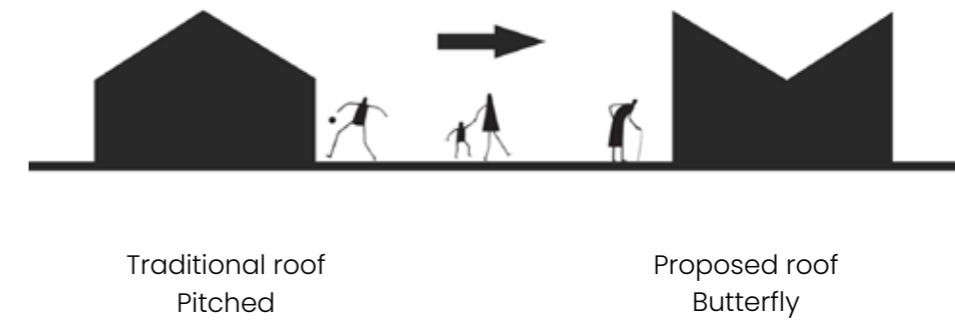
CONCEPT IDEA

Sited in the compound of Senate of Cambodia, the building stands among classic buildings and gardens of old trees. These features called for 2 main approaches based on the local weather condition and the atmosphere of the government compound.

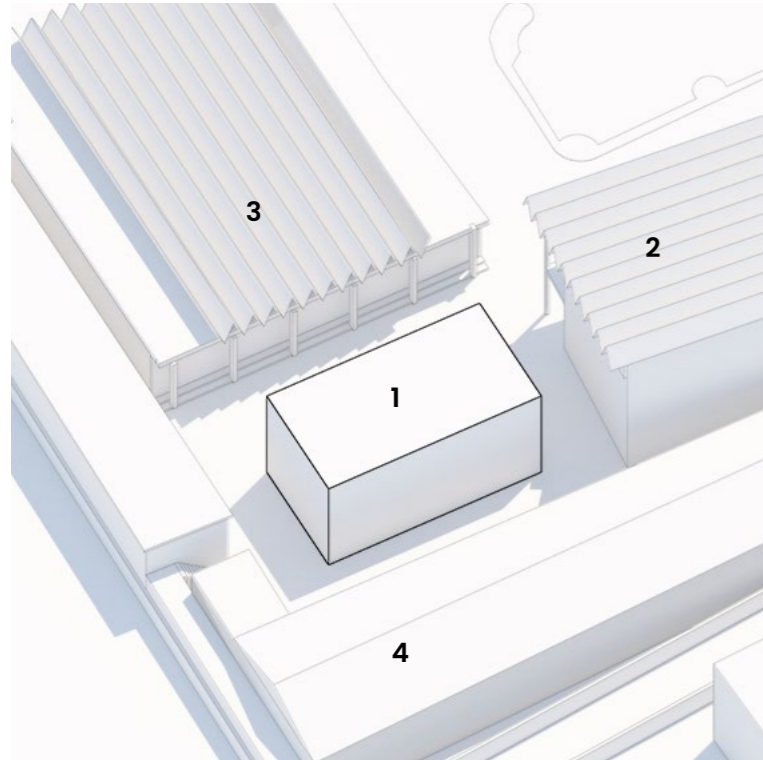
PROGRAMME

1 Untraditional concept

The **roof** style is chosen to use as sunblock resembling butterfly shaped that is customary to the Modern Khmer architectural style in 60's Cambodia. It is specifically selected to blend in with the old buildings standing close by. Ornamented cement tiles are installed as emphasis on the old traditional French colonial influence at the time.

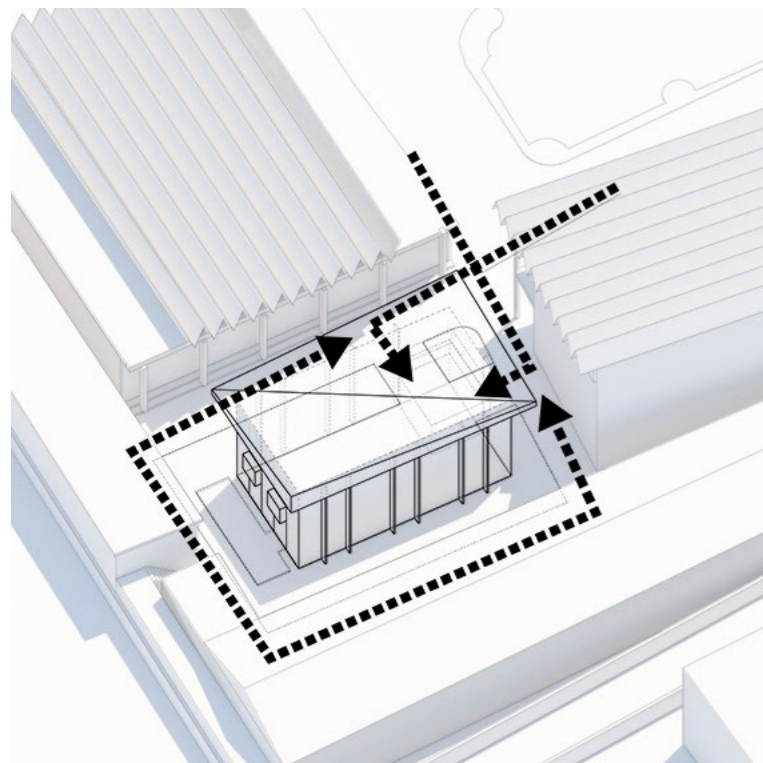


2 Bioclimatic concept



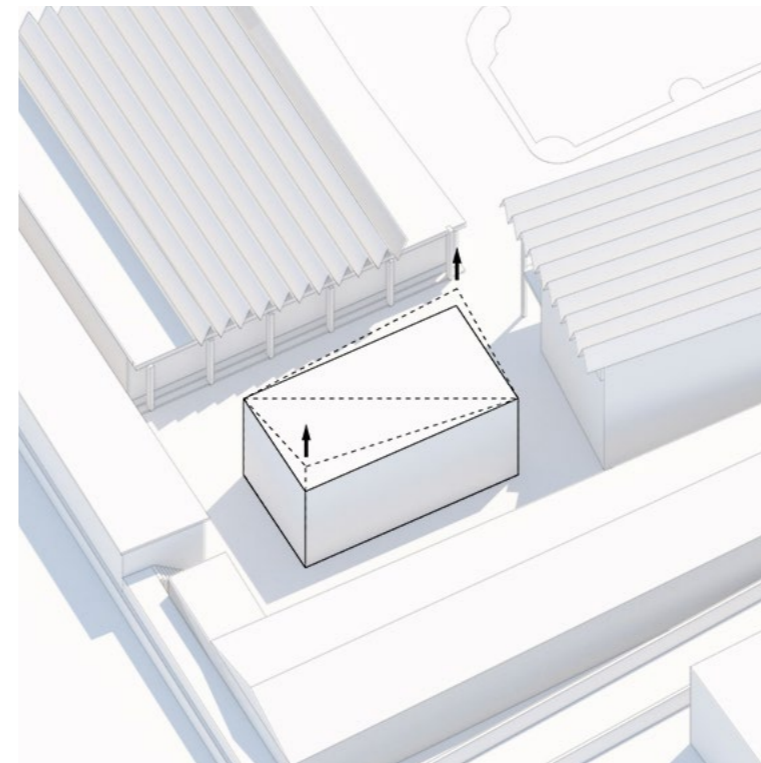
Calling for a bioclimatic architecture, the design is guided by wall elements, untraditional roof shape and inserts of individual vertical gardens. These strategies help reduce thermal mass of the building that support energy saving goals.

- 1. Project building
- 2. Cambodian parliament
- 3. Security Dorm
- 4. Conference Hall



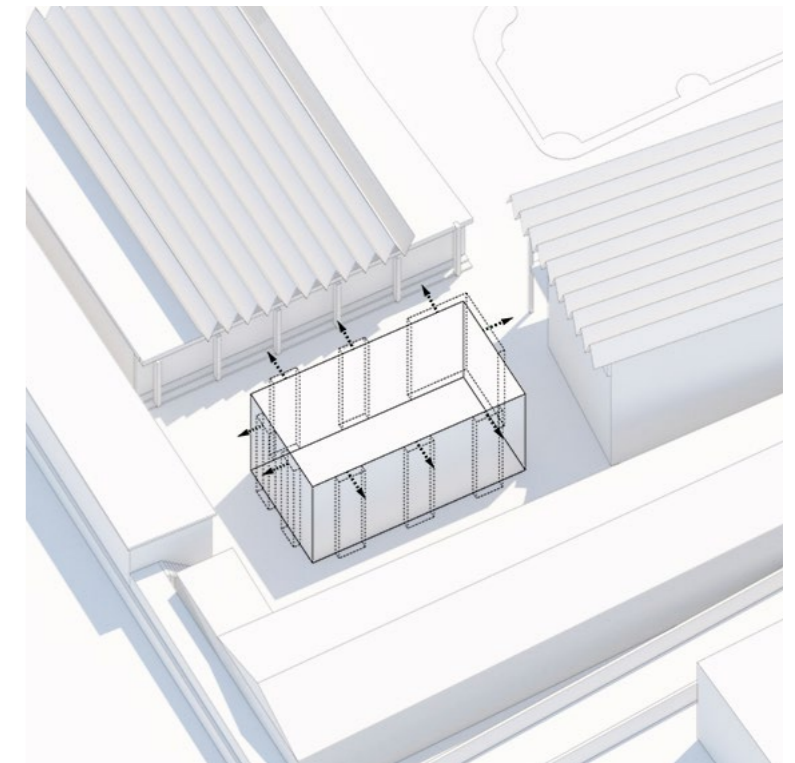
ACCESSIBILITY

We designed a very generous setback to give space for greenery and resting area. Everyone are able to enjoy the view of this miniature architecture blending with beautiful nature from all viewpoints.



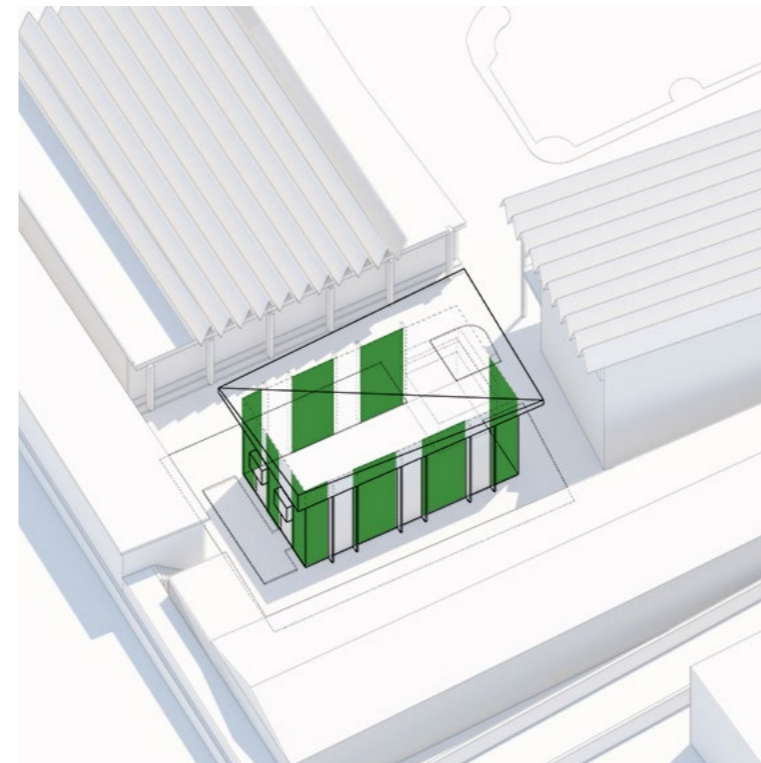
DOUBLE ROOFING

Butterfly roof forms extra buffer space from tropical southeast and northwest direct insolation, enhancing double affect apart from the roof angle.



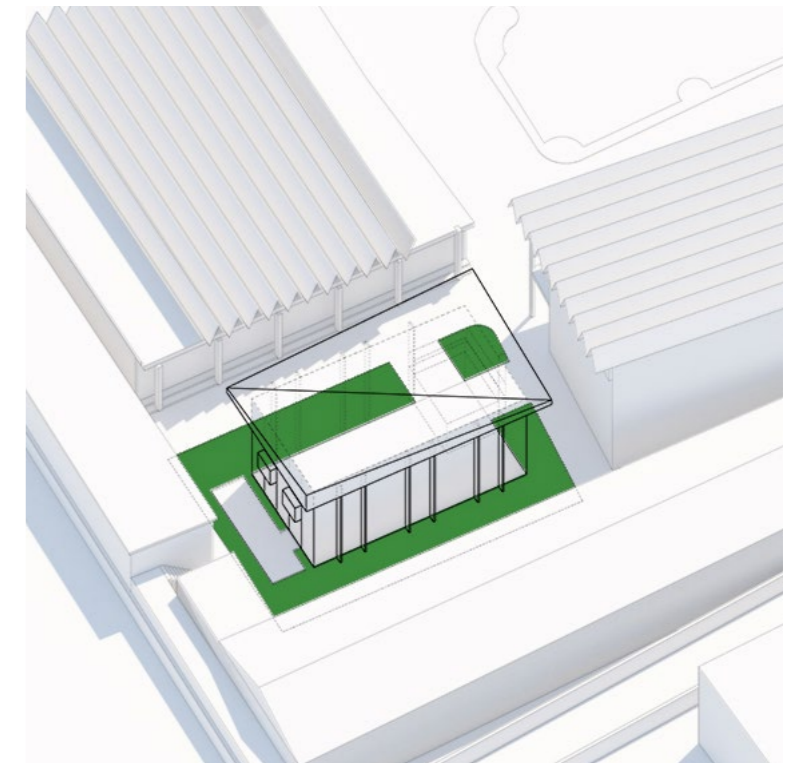
THERMAL WALLS

We extruded window sections with side walls and planter balconies for extra sun shields, preventing penetration of heat to the minimum.



VERTICAL VINE WALLS

We know empty walls are best at absorbing heat. To help further with interior insulation, we proposed vines on cables to cool off the lightweight concrete block walls.

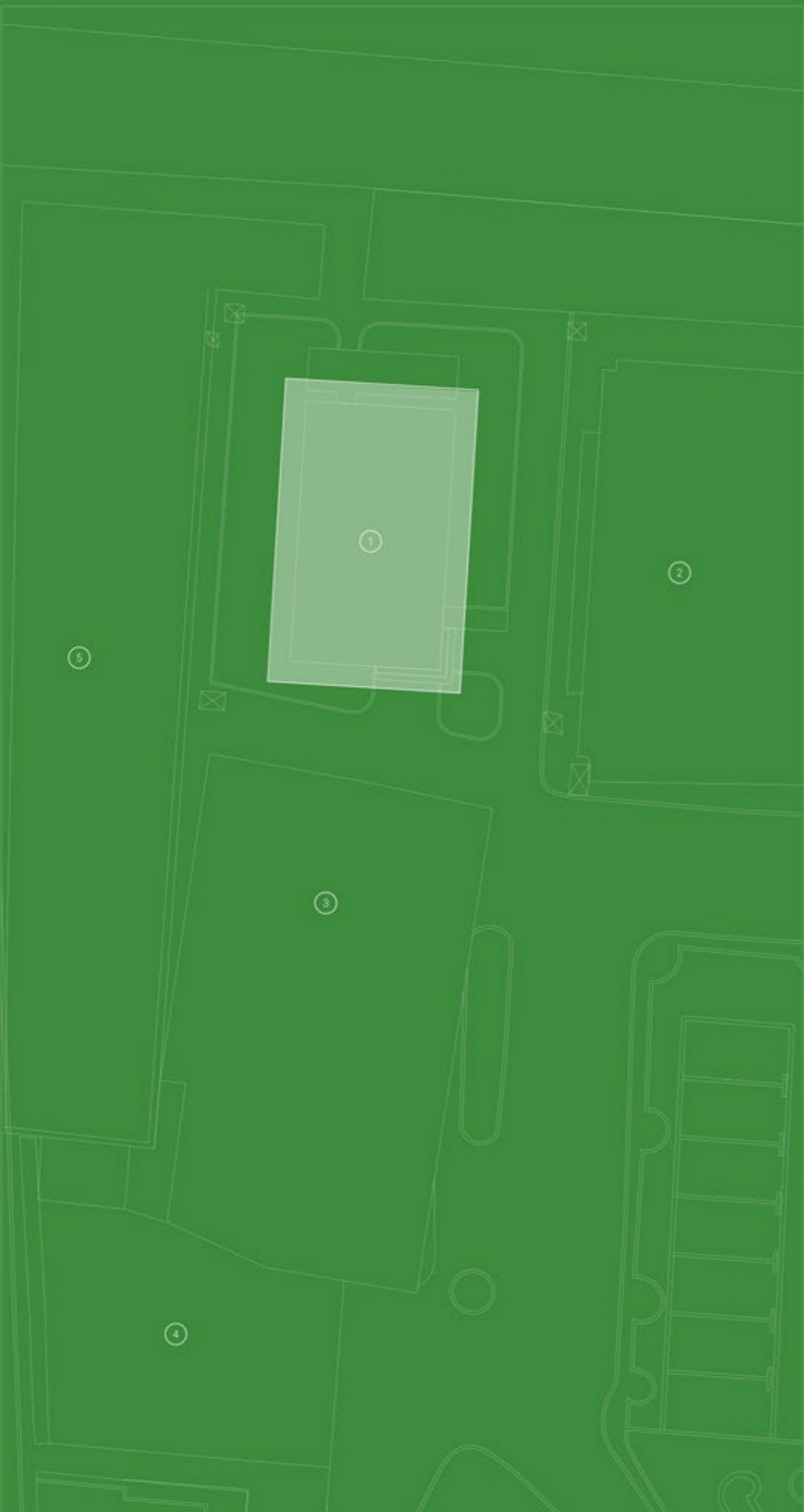


GARDEN

We can't forget the simplest but essential area of any space: lush area. Tall thin trees and local plants are placed in the vicinity of the building and the back resting outdoor area.



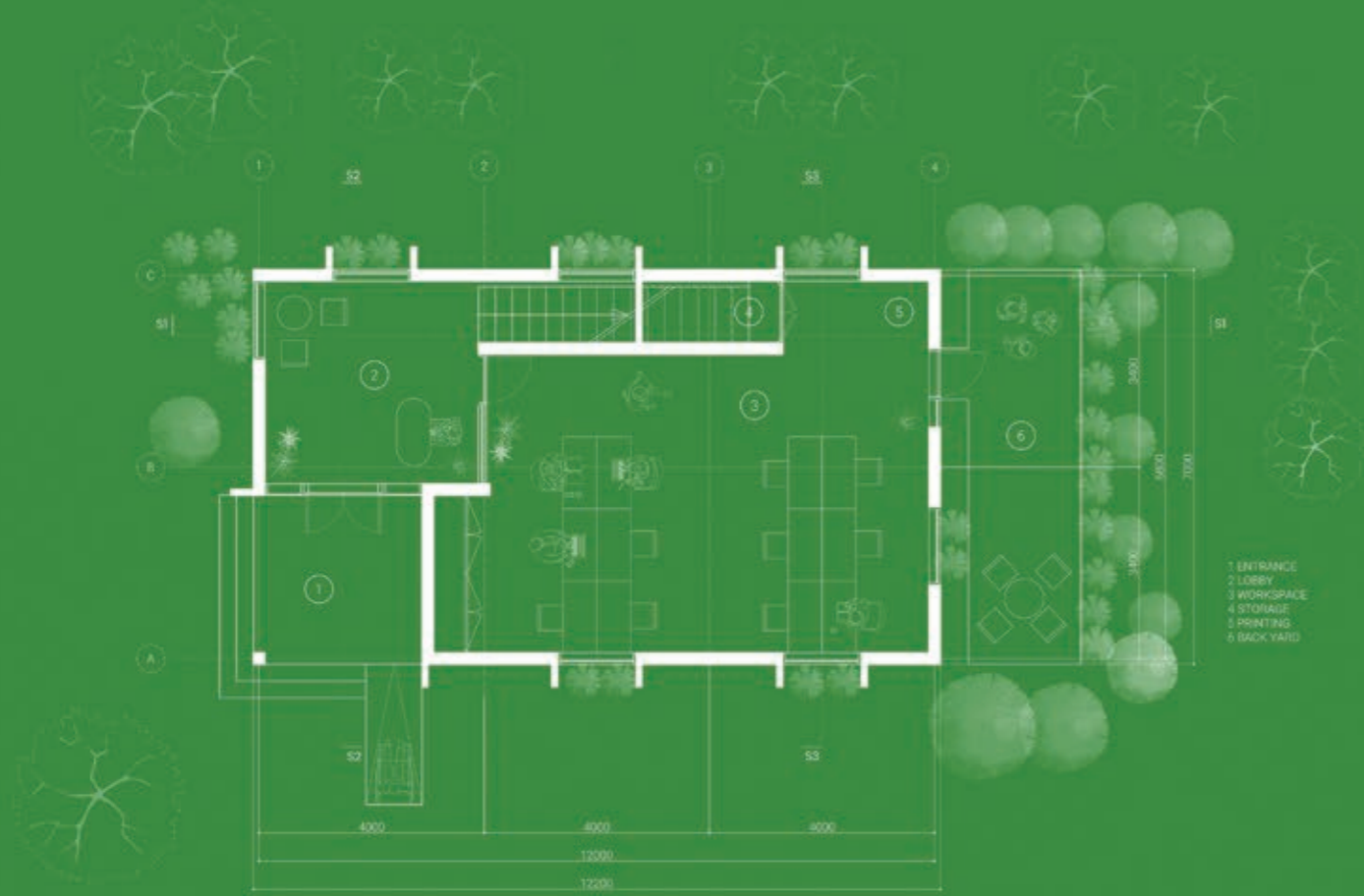
- 1 PROJECT BUILDING
- 2 CONFERENCE HALL
- 3 CAMBODIAN PARLIAMENT 1
- 4 CAMBODIAN PARLIAMENT 2
- 5 SECURITY DORM



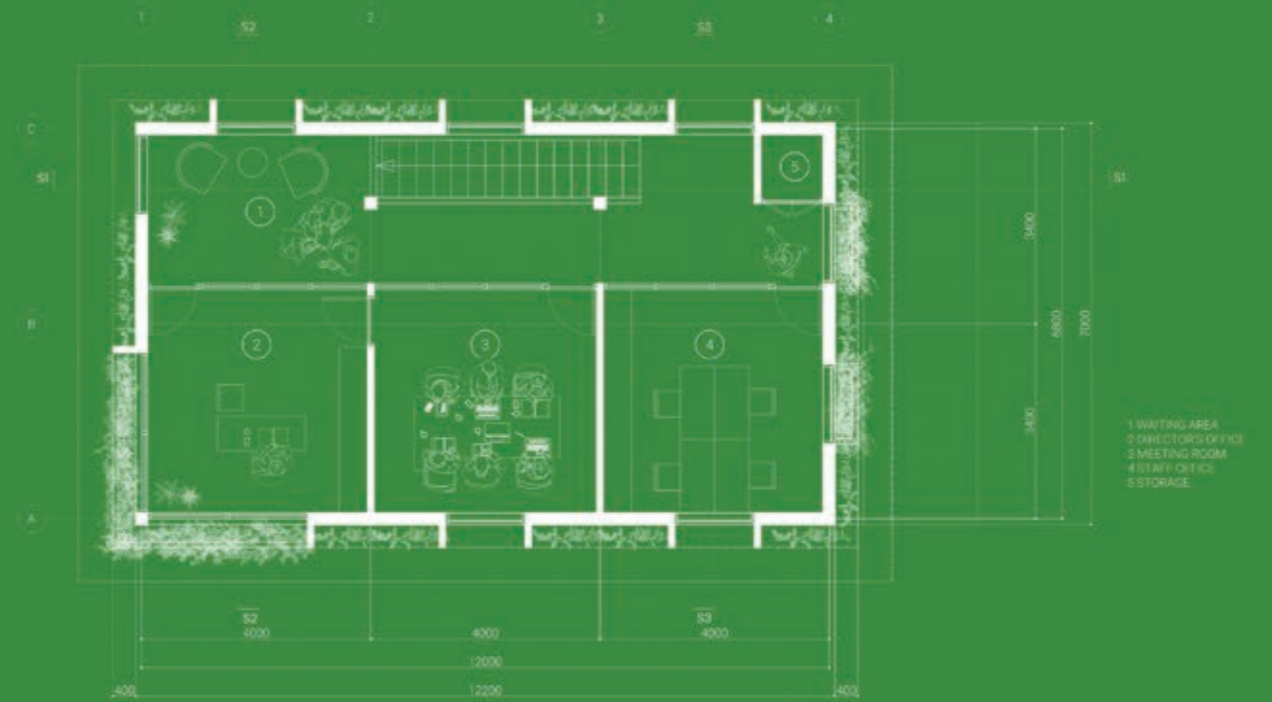
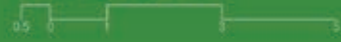
SITE PLAN



LAYOUTS



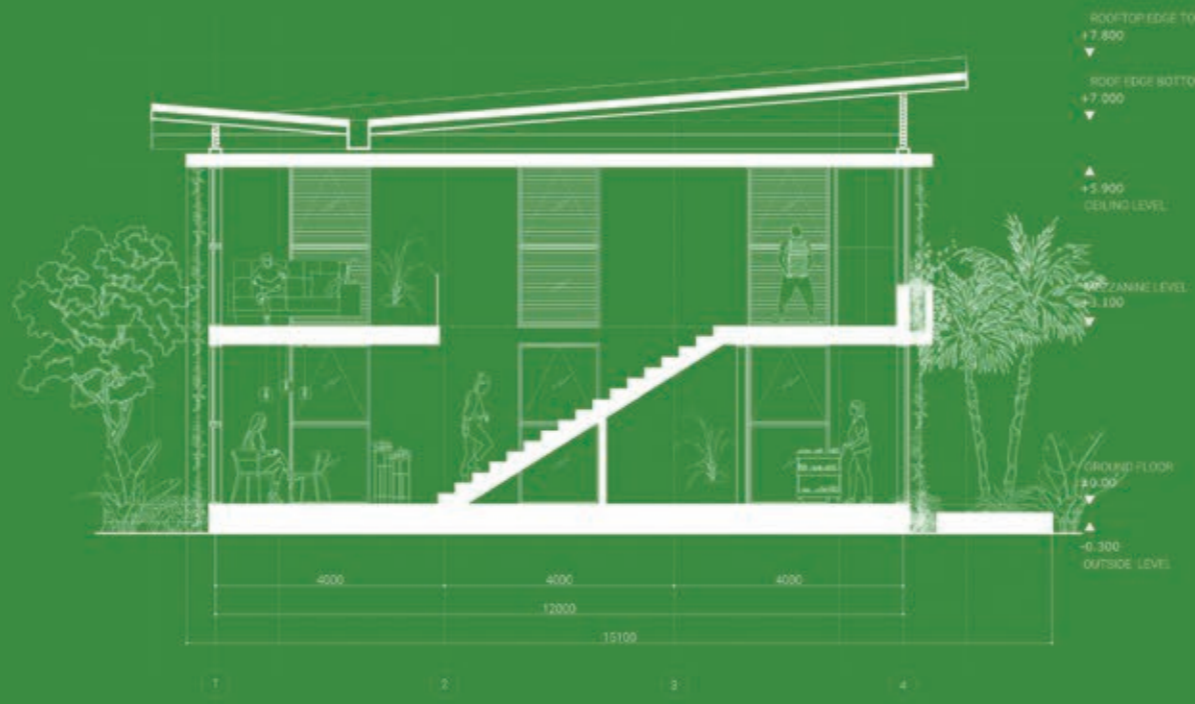
GROUND FLOOR PLAN



MEZZANINE PLAN



SECTION 2



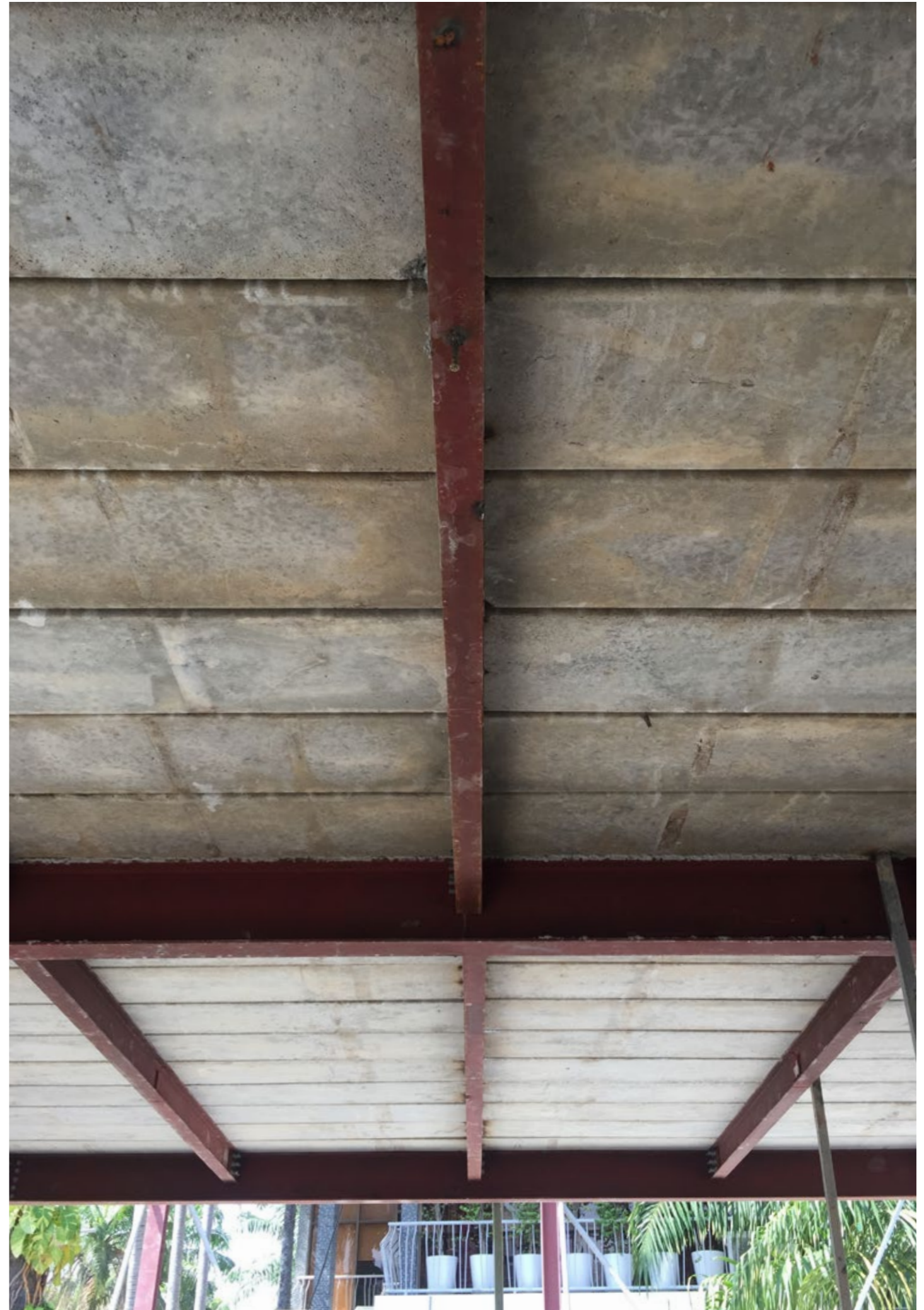
SECTION 1



ELEVATION WEST



CONSTRUCTION





Project site is located on an existing poolside and septic tanks which were relocated in the vicinity.



Engineers designed a shallow foundation by building strip footing.



The strip footing supports a concrete slab and a stable steel structure.



Steel structure is constructed for both floor levels including roof. Pre-cast concrete panels are used for level 2 base flooring.





Tall narrow windows are installed as natural lighting source in the perimeter of the building's walls, not allowing too much light into the interiors. Vast corner windows over entrance way give wide casual observation of the incoming visitors.

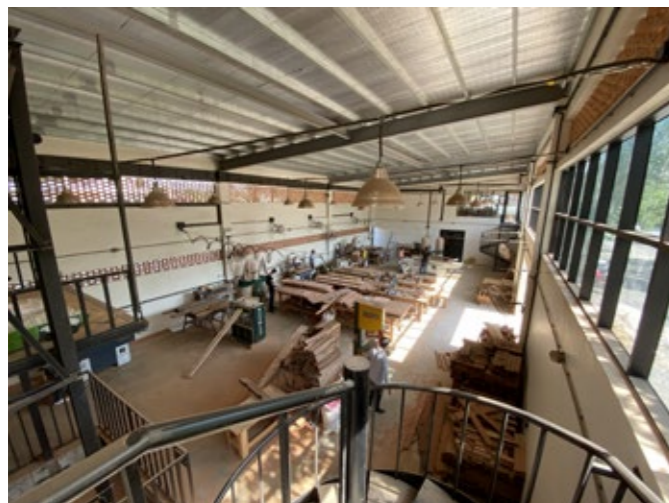
The miniature building is finished with simple generic white plaster and paint on lightweight cement walls, gray insulated corrugated steel roofing panels and cable for vines to add green lush as the final touch.



OTHER NOTED PROJECTS

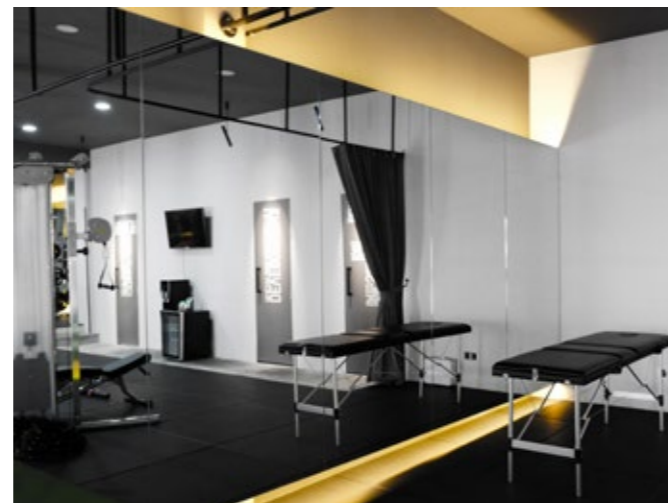
WOOD WORKSHOP

TYPE: PRODUCTION & CRAFT
 CLIENT: MAKERS CARPENTRY
 LOCATION: KANDAL, CBD
 ARC COMPANY: NIRON STUDIO
 SCOPE: CONCEPT PLANNING & TECHNICAL DESIGN
 STATUS: COMPLETE 2021
 LEAKHENA'S ROLE: FULL DESIGN & PROJECT MANAGEMENT



LL FITNESS STUDIO

TYPE: HEALTH & WELLNESS
 CLIENT: LORENZO LANZAFAME
 LOCATION: PHNOM PENH, CBD
 ARC COMPANY: NIRON STUDIO
 SCOPE: FULL DESIGN & PROJECT MANAGEMENT
 STATUS: COMPLETE 2020
 LEAKHENA'S ROLE: DESIGN PROCUREMENT SUPERVISION



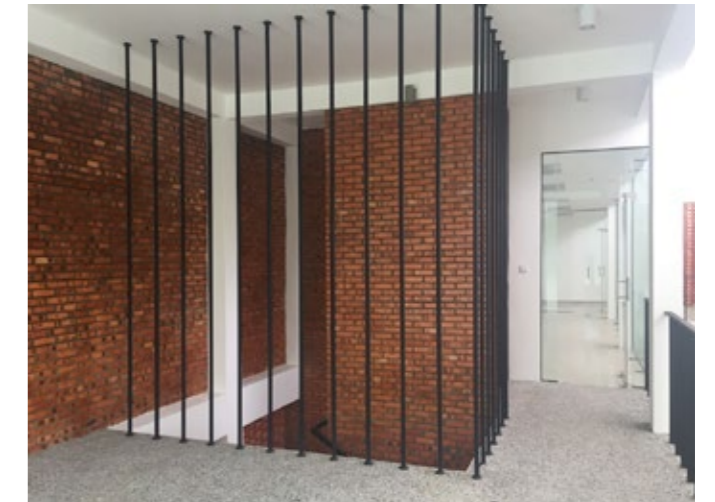
JAVA CAFE

TYPE: F&B
 CLIENT: JAVA CAFE
 LOCATION: PHNOM PENH, CBD
 ARC COMPANY: T3 ARCHITECTS
 SCOPE: FULL DESIGN & PROJECT MANAGEMENT
 STATUS: COMPLETE 2018
 LEAKHENA'S ROLE: PROCUREMENT & CONSTRUCTION MANAGEMENT



CICML

TYPE: FOOD SAFETY LABORATORY
 CLIENT: MERIEUX FOUNDATION
 LOCATION: VIENTINE, LAOS
 ARC COMPANY: ARCHITYPE GROUP
 SCOPE: FULL DESIGN & PROJECT MANAGEMENT
 STATUS: COMPLETE 2016
 LEAKHENA'S ROLE: TECHNICAL DESIGN & SUPERVISION



PROJECTS LIST

NIRON STUDIO 2019-2022

- **LORRY SERVICE AND REPAIR STATION:** CONCEPT DESIGN+
PHNOM PENH, CAMBODIA
- **MOBILE COFFEE BRANCH:** CONCEPT DESIGN+
PHNOM PENH, CAMBODIA
- **TATAI RESORT AMINITIES BUILDING:** CONCEPT DESIGN+
TATAI, KOH KONG, CAMBODIA
- **VGT OFFICE DESIGN :** RENOVATION. DESIGN & CONSTRUCTION LIAISON
PHNOM PENH, CAMBODIA
- **KOH CHVEANG MASTER AND VILLA:** PRECONCEPT DRAFT
KOMPONG CHHNANG, CAMBODIA
- **MAKERS WOODSHOP:** DESIGN & CONSTRUCTION LIAISON
PHNOM PENH, CAMBODIA
TAKHMAU, CAMBODIA
- **WOOD HOUSE :** FULL DESIGN
TA KHMAU, CAMBODIA
- **BEFAN WELNESS STUDIO :** FULL DESIGN
PHNOM PENH, CAMBODIA
- **LL FITNESS STUDIO :** FULL DESIGN
PHNOM PENH, CAMBODIA
- **LH RESIDENTIAL BUILDING :** CONCEPT DESIGN & BASIC DRAWINGS
PHNOM PENH, CAMBODIA
- **VINE RETREAT COMPETITION :** SHORT-LISTED PROJECT
KEP, CAMBODIA
- **NIRON HOUSE :** PREFAB MODULAR TEST PROJECT
TA KHMAU, CAMBODIA
- **NIRON VILLAGE:** SELF-SUSTAINING RESIDENTIAL COMPOUND
KANDAL, CAMBODIA

T3 ARCHITECTS 2017-2019

- **PARLIMENTARY INSTITUTE OF CAMBODIA :** DESIGN & CONSTRUCTION LIAISON
PHNOM PENH, CAMBODIA
- **BATTAMBANG VILLA :** CONCEPT DESIGNER
BATTAMBANG, CAMBODIA
- **SIEM REAP ART EXHIBITION BUILDING :** CONCEPT DESIGN
SIEM REAP, CAMBODIA
- **PASTUER INSTITUTE .** TENDER DOCUMENTS
PHNOM PENH, CAMBODIA
- **JAVA CAFE .** CONSTRUCTION LIAISON
PHNOM PENH, CAMBODIA

MAD CREATIVE 2016-2017

- **PIPAY BANKING OFFICE :** CONCEPT DESIGN
PHNOM PENH, CAMBODIA
- **PIPAY BUILDING ROOFTOP :** CONCEPT DESIGN & BASIC DRAWINGS
PHNOM PENH, CAMBODIA
- **MAD CREATIVE HEAD OFFICE :** CONCEPT DESIGN
PHNOM PENH, CAMBODIA
- **YELLOW TREE OFFICE :** CONCEPT DESIGN & BASIC DRAWINGS
PHNOM PENH, CAMBODIA

ARCHETYPE GROUP 2013-2016

- **CICML FOOD SAFETY LABORATORY** for Foundation Muearuex : FULL DESIGN & CONSTRUCTION SUPERVISION . VIENTIAN, LAOS
- **FCC (FORIEGN CORRESPONDENT CLUB):** CONCEPT DESIGN. RENOVATION & EXTENTION . PHNOM PENH, CAMBODIA
- **VS HOTEL:** FEASIBILITY STUDY & CONCEPT DESIGN
PHNOM PENH, CAMBODIA
- **HONG KONG LAND PARKING FACILITIES:** FEASIBILITY STUDY & CONCEPT DESIGN
PHNOM PENH, CAMBODIA
- **VKIRIROM MASTERPLAN:** DETAILS DRAWINGS & PERMIT DOCUMENTS
KOMPONG SPEU, CAMBODIA
- **SIHANOUKVILLE AIRPORT** for Cambodia Airport: CONCEPT DESIGN FOR RENOVATION & EXTENSION . SIHANOUKVILLE, CAMBODIA
- **LAURELTON DIAMOND MANUFACTURING FACTORY :** EXTENSION AREA
HAI DUONG, VIETNAM
- **LAURELTON JEWELRY MANUFACTURING FACILITITES :** CONCEPT DESIGN
BANGKOK, THAILAND
- **NAMTHA MASTERPLAN.** FEASIBILITY STUDY & CONCEPT RESIDENTIAL PLAN
NAMTHA, LAOS
- **PAKTHANG MASTERPLAN.** FEASIBILITY STUDY & CONCEPT RESIDENTIAL PLAN
VIENTIAN, LAOS
- **KOMPONG THOM MEETING HOUSE :** TECHNICAL DESIGN
KOMPONG THOM, CAMBODIA

ARCHETYPE GROUP 2010-2011

- **SIEM REAP AIRPORT :** EXTENSION AREA
SIEM REAP, CAMBODIA
- **KOH PUOS RESIDENTIAL COMPOUND :** BASIC AND TECHNICAL DRAWINGS
SIHANOUKVILLE, CAMBODIA
- **LUCKY BURGER FOOD COURT :** INTERIOR CONSTRUCTION
PHNOM PENH, CAMBODIA

FREELANCE 2012

- **COFFEE SHOP :** CONCEPT DESIGN
PHNOM PENH, CAMBODIA
- **OUTDOOR FOOD COURT :** CONCEPT DESIGN
SIEM REAP, CAMBODIA
- **TRADITIONAL SAIL BOAT :** SURVEY & BASIC DRAWINGS
PHNOM PENH, CAMBODIA
- **KOH KONG MANGROVE RESORT :** CONCEPT DESIGN & COST ESTIMATION
PHNOM PENH, CAMBODIA
- **VEAL SBOV CONDOMINIUM :** TECHNICAL DRAWINGS
PHNOM PENH, CAMBODIA

HKA 2011

- **RIVERSIDE PLANNING 'CONFLUENCE':** BASIC DESIGN
PHNOM PENH, CAMBODIA
- **PRIVATE VILLA :** CONCEPT DESIGN
PHNOM PENH, CAMBODIA

OCIC 2010

- **DIAMOND ISLAND CITY HALL :** DESIGN & CONSTRUCTION LIAISON
PHNOM PENH, CAMBODIA

→ ELEMENTS:

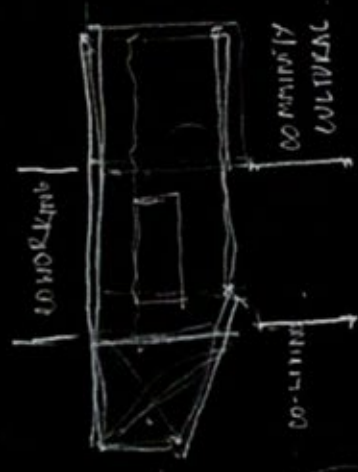
- LOUVERES
- CORRIDOR
- OPENING
- HIGH CORNICES / ROOFS



5 RECAL:
• LIFT

END OF DOCUMENT.

ZONING



COMMUNITY CULTURAL

CHORATA



MODULOS TEMPERATURE FOR THE WHOLE STRUCTURE

HOOPER VENTILATION

MATERIAL DIFFERENT FROM SURROUNDING (ZINC/BRICK)

NOT TO LANDMARK

• FORWARD TO BE VISIBILITY II F AND HOOPER VENTILATION

- TRADITIONAL ?
- COLONIAL ?
- BIOPHILIC ?

COMBINED ?

WINTER WIND

SOFT FLIGHT

INSULATED SIDE

VISIBLE SIDE

CAJON