RHAF File Architecture Structure Annotate View Manage Collaborate

Portfolio-2026.rvt · Sheet A-001

Wall Door Window Floor Roof Stair Dimension Section Render Clash

Project Browser — Portfolio 2026

- Sheets (all)
  - A-001 · Cover
  - 01 · Fornife Restaurant 05
  - 02 · RS Yadika façade 09
  - 03 · NEKO Japanese Café 12
  - 04 · Tropical Spa 17
  - 05 · Housing Prototype 20
  - 06 · Counselling Room 22
  - 07 · Heritage Living Room 24
  - 08 · Hadiah 27
  - 09 · Shell N' Nest 30
  - 10 · Golden Thread Hall 34
- Views
  - Floor plans · 9 levels
  - Sections · elevations
  - 3D views · renders
  - ACC clash · 1,189

A B C D

// A-001 — cover sheet

PORTFOLIO 2026

1

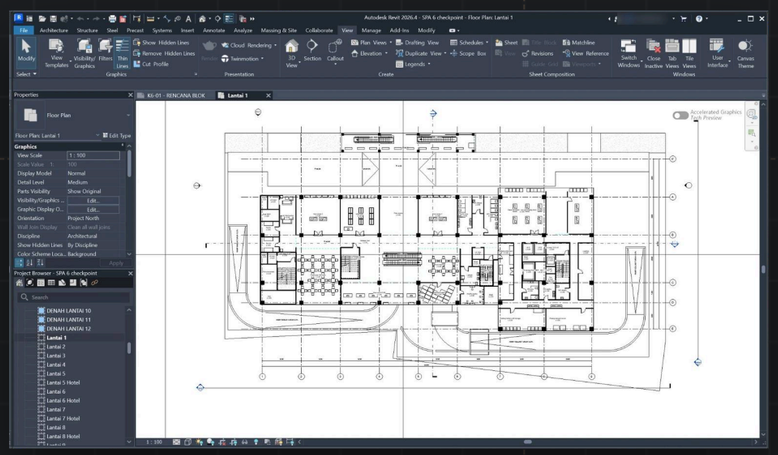
Rhafi R.
Moeloek

2

Architecture · Interior · BIM · AI. Architecture student and founder of RHAF Studio, Bandung. Six client concepts, one under construction.



1 FORNIFE RESTAURANT · 3D VIEW — Scale 1 : 100



2 BIM MODEL · REVIT FLOOR PLAN, LEVEL 1 — Studio 6



3 GOLDEN THREAD · FRONT — 10,916 m²

north

A / A-301 section

Level 1 · ±0.00

Properties — Sheet

Number	A-001
Name	Cover
Drawn by	R. R. Moeloek
Based in	Bandung · GMT+7

Identity data

Role	Architect · Interior · BIM
Study	UNPAR · 7th sem.
Studio	RHAF Studio · 2025

Dimensions

Largest	10,916 m²
Smallest	26 m²
Clients	6 concepts

Phasing

Phase	Under construction · 1

Software

Revit · AutoCAD · ArchiCAD · SketchUp · Rhino + GH · D5 · Enscape · ACC · EDGE

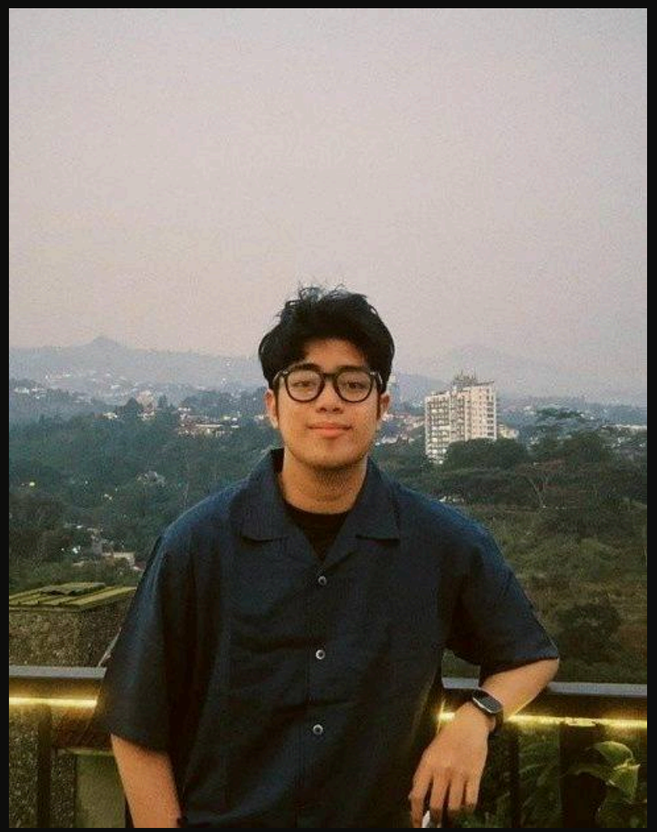
RHAF	PROJECT	SHEET	NUMBER	SCALE	DATE
REVISIONING HOME ARCHITECTURE & FURNITURES	Portfolio 2026	Cover	A-001	As indicated	2026

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+62 821 1446 4409
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Command: OPEN PORTFOLIO ▸ Specify project or [Fornife / Yadika / NEKO / Spa / Housing / Counselling / Heritage / Hadiah / Shell / Golden Thread]

X 2,400.00 Y 1,043.00 Z 0.00 MODEL GRID SNAP ORTHO OSNAP

1 : 100 · Bandung, Indonesia



Rhafi Ramansa Moeloek

ARCHITECTURE · INTERIOR · BIM · AI

EMAIL	moeloekrhafi@gmail.com
WHATSAPP	+62 821 1446 4409
LINKEDIN	linkedin.com/in/rhafimoeloek
WEBSITE	rhafimoeloek.pages.dev ↗
PORTFOLIO	Full portfolio on Google Drive →
BASED IN	Bandung, Indonesia (GMT+7) · available for remote work
OPEN TO	Remote internships and junior roles with international firms in architecture, interior design, BIM and computational design

I design across scales, from a 26 m² living room to a 10,900 m² creative hub, and I care as much about the drawing set and the digital workflow as about the idea.

I am a 7th-semester architecture student at Universitas Katolik Parahyangan (UNPAR), Bandung. Alongside studio work I have delivered six concept designs for real clients: restaurants, a café, a spa, a housing prototype and private interiors. On those projects I handled everything from site measurement and client briefing to 3D modelling and photorealistic visualisation.

My toolkit spans BIM coordination (Revit, Autodesk Construction Cloud), green-building assessment (EDGE), parametric design (Rhino + Grasshopper) and AI-assisted workflows built with Claude Code, plus graphic, UI/UX and web design for an Australian client.

Education

2023 — NOW	**Bachelor of Architecture**, in progress (7th semester) Universitas Katolik Parahyangan, Bandung

Experience

JUN–SEP 2026	**Architecture Intern, Jasa Ferrie Pratama (JFP)**: medical & hospitality architects. Designed the approved façade concept for RS Yadika Kebayoran Lama
MAR 2025 – NOW	**Founder & Designer, RHAF Studio**: architecture & interior practice, 6 client projects in Indonesia
FREELANCE	**Graphic, UI/UX & Logo Designer**: Trialblaze.com, Australia (1 UI/UX project + 1 logo, remote)
LEADERSHIP	Group leader, Architecture Design Studios 1–4
COMPETITION	Volume Zero Tiny House International Competition

Skills

DESIGN	Concept design, space planning, drafting, 3D modelling
BIM	Clash checking, scheduling, reporting, coordination
SUSTAINABILITY	Green building compliance checking (EDGE)
VISUALISATION	Still & video rendering, post-production
DIGITAL	UI/UX, graphic and web design; coding
AI	AI integrations and workflow automation
MANAGEMENT	Project managing, client discussion, team leadership

Software

CAD / BIM	Revit · ArchiCAD · AutoCAD · Autodesk Construction Cloud · Forma
MODELLING	SketchUp · Rhino 8 + Grasshopper
RENDERING	D5 Render · Enscape
ANALYSIS	EDGE Green Building
GRAPHICS	Photoshop · Illustrator · Lightroom · Figma · CapCut
AI / CODE	Claude Code

6
CLIENT COMMISSIONS

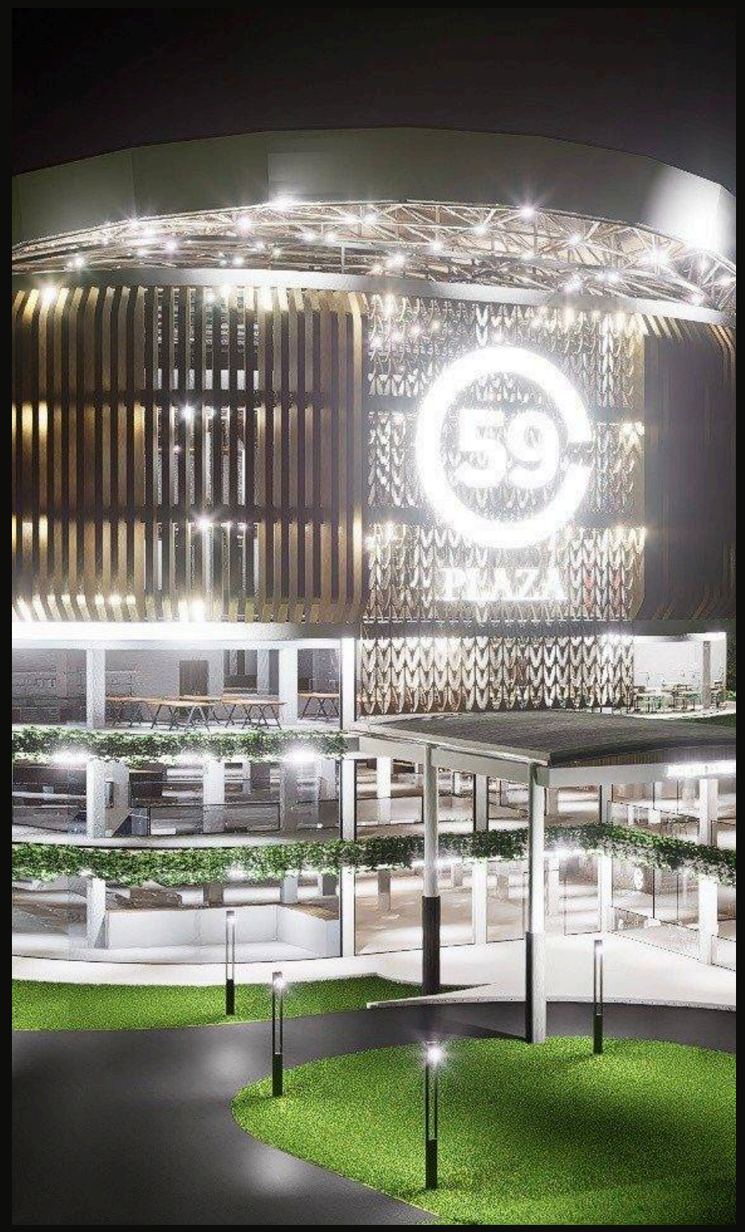
10,916 m²
LARGEST BUILDING DESIGNED

1
INTERNATIONAL COMPETITION

1,189
CLASHES CHECKED IN ACC

Contents

Ten projects, from professional work to an international competition and two design studios that grow to a 10,916 m² building, followed by my digital practice in BIM, sustainability and AI.



I · PRACTICE — PROFESSIONAL WORK



01 Fornife Restaurant — 2,400 M² · BANDUNG — 05



02 RS Yadika Kebayoran Lama — HOSPITAL FAÇADE · JAKARTA — 09



03 NEKO Japanese Café — 520 M² · BANDUNG — 12



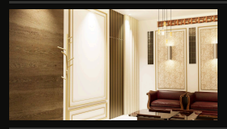
04 Tropical Spa Renovation — 240 M² · YOGYAKARTA — 17



05 Tropical-Modern Housing Prototype — 180 M² · CIANJUR — 20



06 Hypnotherapy Counselling Room — INTERIOR · BANDUNG — 22



07 Heritage Living Room — 26 M² · BANDUNG — 24

II · COMPETITION — INTERNATIONAL IDEAS COMPETITION



08 Hadiah — TINY HOUSE · BELITUNG — 27

III · ACADEMY — DESIGN STUDIOS, UNPAR



09 Shell N' Nest — 1,882 M² · PUNCLUT — 30

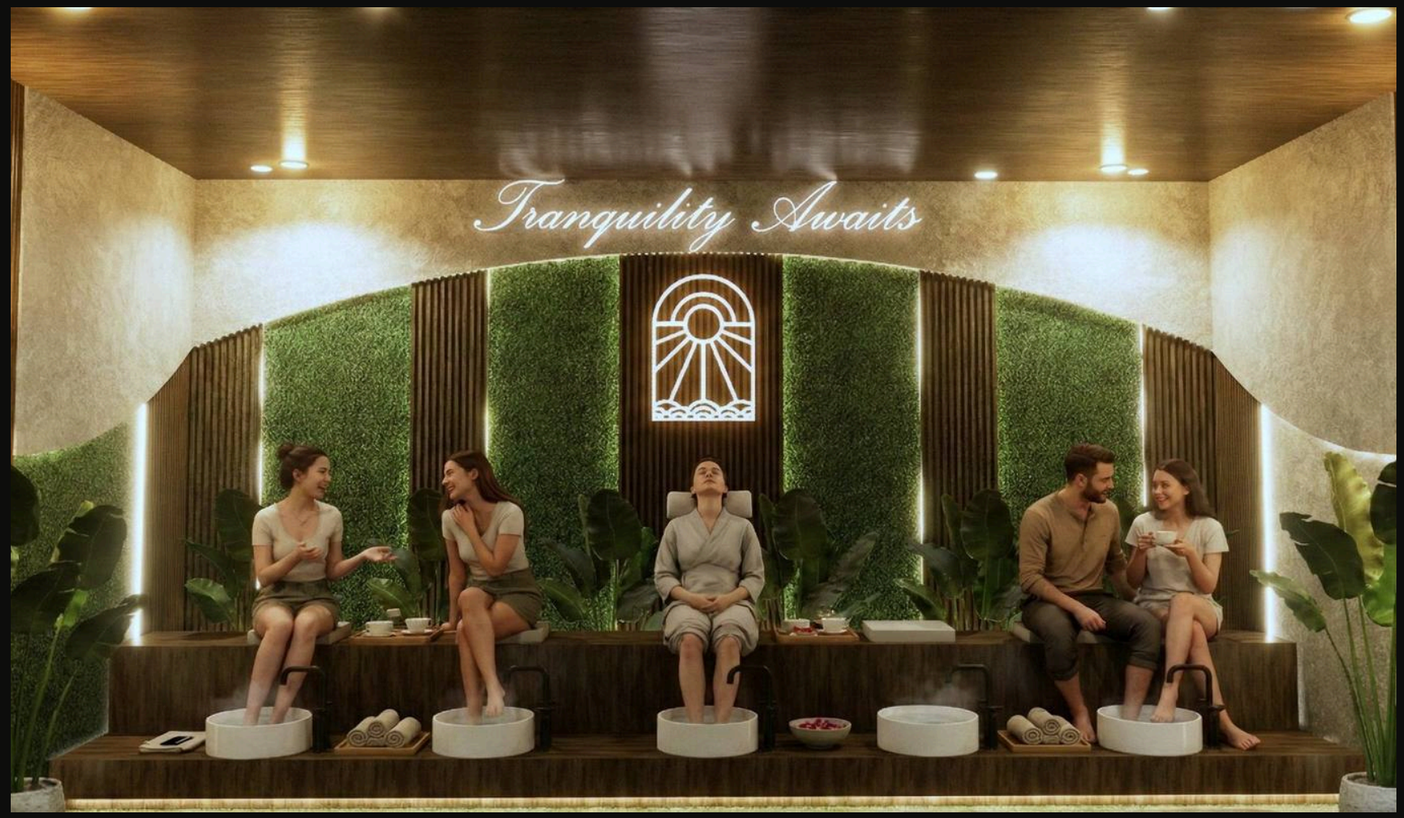


10 Wasta Kancana Golden Thread Creative Hall — 10,916 M² · BANDUNG — 34

Practice

Professional work in Indonesia, from a five-storey hospital façade in Jakarta and a 2,400 m² restaurant to a 26 m² living room: healthcare, hospitality, wellness, housing and private interiors.

01	Fornife Restaurant	2,400 M² · BANDUNG	05
02	RS Yadika Kebayoran Lama	HOSPITAL FAÇADE · JAKARTA	09
03	NEKO Japanese Café	520 M² · BANDUNG	12
04	Tropical Spa Renovation	240 M² · YOGYAKARTA	17
05	Tropical-Modern Housing Prototype	180 M² · CIANJUR	20
06	Hypnotherapy Counselling Room	INTERIOR · BANDUNG	22
07	Heritage Living Room	26 M² · BANDUNG	24









PRACTICE · PROJECT 01

Fornife Restaurant

Semi-luxury dining in a rustic-industrial shell

RESTAURANT & BAR · BANDUNG · 2,400 M² · CLIENT-APPROVED CONCEPT

PRACTICE · 01

Fornife Restaurant

Semi-luxury dining in a rustic-industrial shell

A raw but refined palette of exposed brick, grey cement, black steel and soft grass, brought together by a layered lighting design for a high-end evening atmosphere.

The programme was planned for smooth operations: parking, drop-off and loading dock; indoor and outdoor dining, a bar and a performance stage; hot and cold kitchens with matching storage; offices, staff areas, washrooms and a prayer room.

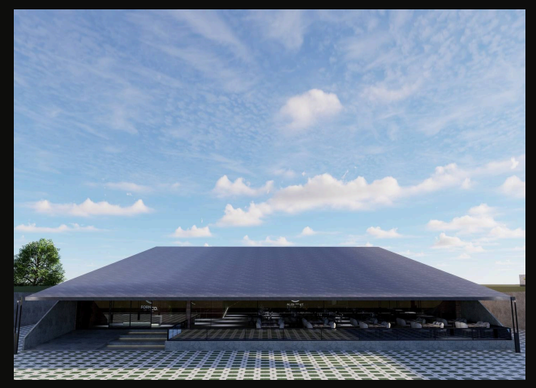
2,400 m²

GROSS AREA

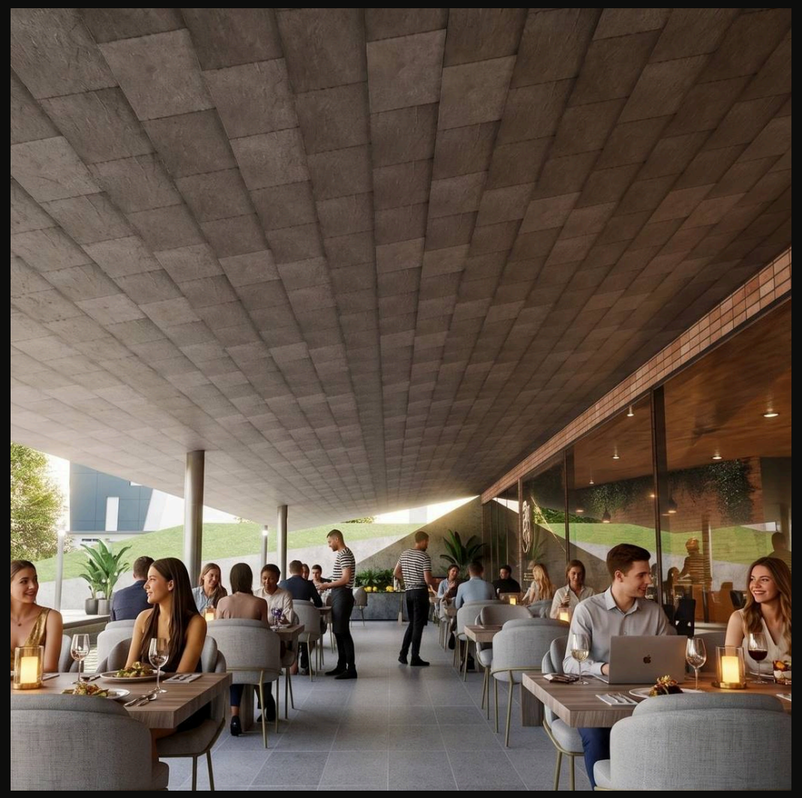
TYPE	Restaurant, bar & live-music venue
LOCATION	Bandung, Indonesia
STATUS	Concept approved by client
MY ROLE	Client briefing, concept planning, 3D modelling, rendering
TOOLS	SketchUp · D5 Render · AI rendering for atmosphere

























PRACTICE · PROJECT 02

RS Yadika Kebayoran Lama

Five façade options for a modern-tropical hospital

A new façade concept for the existing RS Yadika, a hospital in Kebayoran Lama, Jakarta. The brief asked for a modern, tropical identity: calm and trustworthy at street level, and recognisable from a distance.

Five options test the same ingredients in different combinations: white horizontal bands traced with LED cove lines, warm timber-look vertical fins for shade and texture, planted ledges and cascading greenery at the roof edge, and a signage tower that marks the building against the sky. A stone-clad landscape wall carries the street sign in front of the emergency (IGD) entrance.

Each option was modelled in SketchUp and rendered in D5. I then used AI rendering to develop the evening atmosphere (sky, light and planting), so the options could be compared quickly and consistently.

CONTEXT	Internship at Jasa Ferrie Pratama (JFP), medical & hospitality architects
LOCATION	Kebayoran Lama, Jakarta, Indonesia
STATUS	Concept approved by JFP
MY ROLE	Façade concept design, 3D modelling, rendering
TOOLS	SketchUp · D5 Render · AI rendering for atmosphere

PRACTICE · 02

RS Yadika Kebayoran Lama

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A new façade concept for the existing RS Yadika, a hospital in Kebayoran Lama, Jakarta. The brief asked for a modern, tropical identity: calm and trustworthy at street level, and recognisable from a distance.

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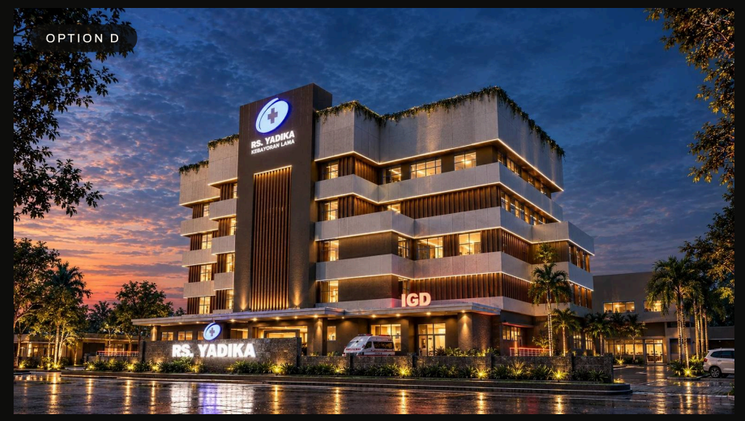
5

FAÇADE OPTIONS

CONTEXT	Internship at Jasa Ferrie Pratama (JFP), medical & hospitality architects
LOCATION	Kebayoran Lama, Jakarta, Indonesia
STATUS	Concept approved by JFP
MY ROLE	Façade concept design, 3D modelling, rendering
TOOLS	SketchUp · D5 Render · AI rendering for atmosphere











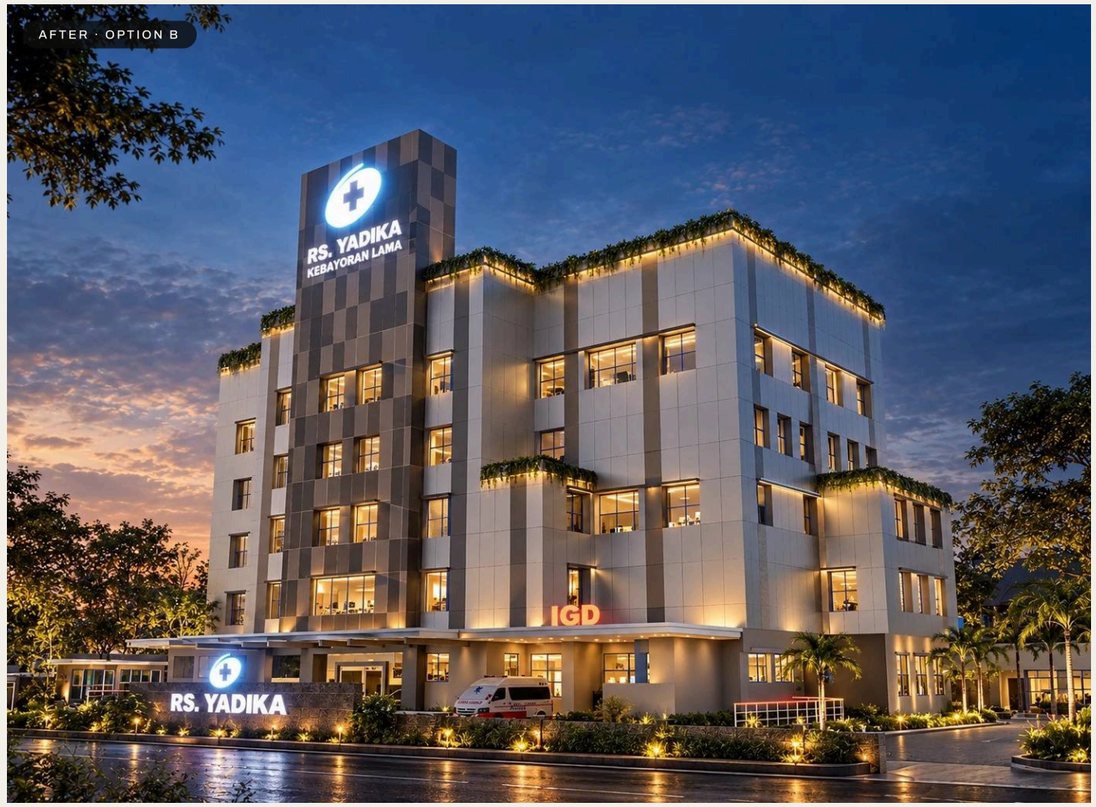
PRACTICE · 02

Before & after

The existing hospital building as modelled in SketchUp, and the new modern-tropical façade options.











PRACTICE · PROJECT 03

NEKO Japanese Café

A slatted pergola as a sculptural front door

CAFÉ & RESTAURANT · BANDUNG · 520 M² · CLIENT-APPROVED CONCEPT

PRACTICE · 03

NEKO Japanese Café

A slatted pergola as a sculptural front door

A redesign of an existing café building. A large custom timber pergola defines the entry and outdoor terraces and casts precise linear shadows across the forecourt through the day. A gnarled bonsai stands as a living sculpture beside a monolithic illuminated sign.

Sweeping white boundary walls with circular openings and glowing spheres give the brand a strong, recognisable identity that still feels inviting. Inside, the timber language continues in a warm, minimal Japanese interior.

520 m²

GROSS AREA

TYPE	Café / restaurant: exterior & interior
LOCATION	Bandung, Indonesia
STATUS	Concept approved by client
MY ROLE	Client briefing, concept planning, 3D modelling, rendering
TOOLS	SketchUp · D5 Render · AI rendering for atmosphere







PRACTICE · 03

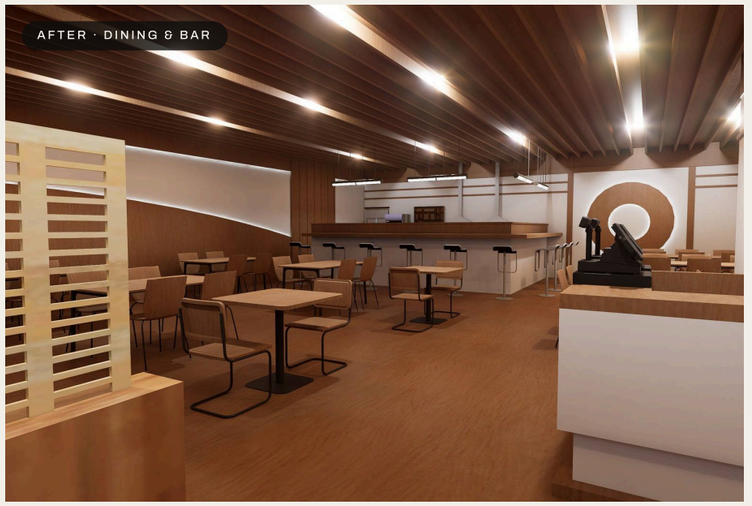
Before & after

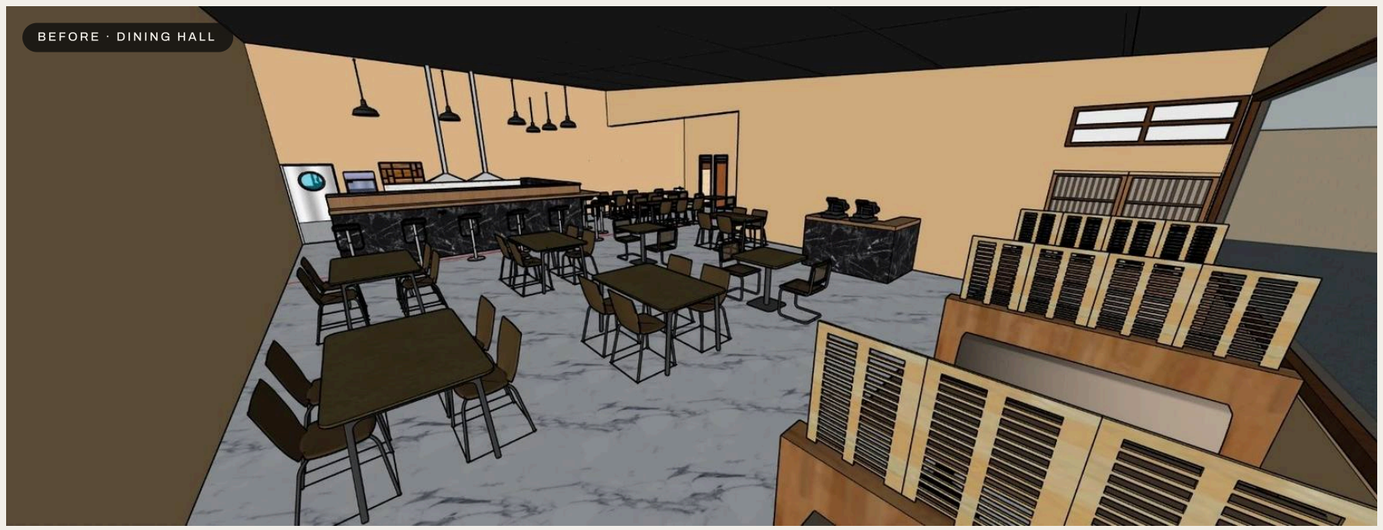
The existing café modelled in SketchUp from my site measurements (left of each pair) and the redesign (right): street front as SketchUp models, then the dining areas.

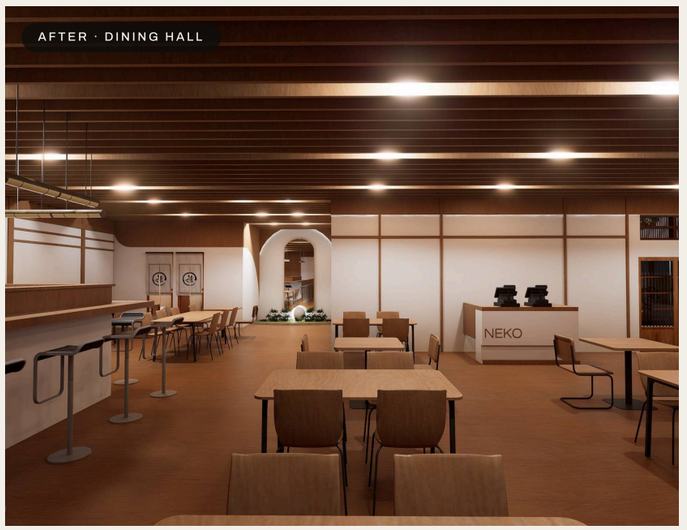













NEKO



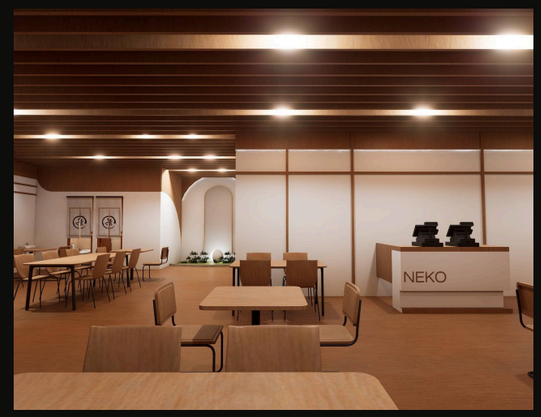

NEKO


NEKO

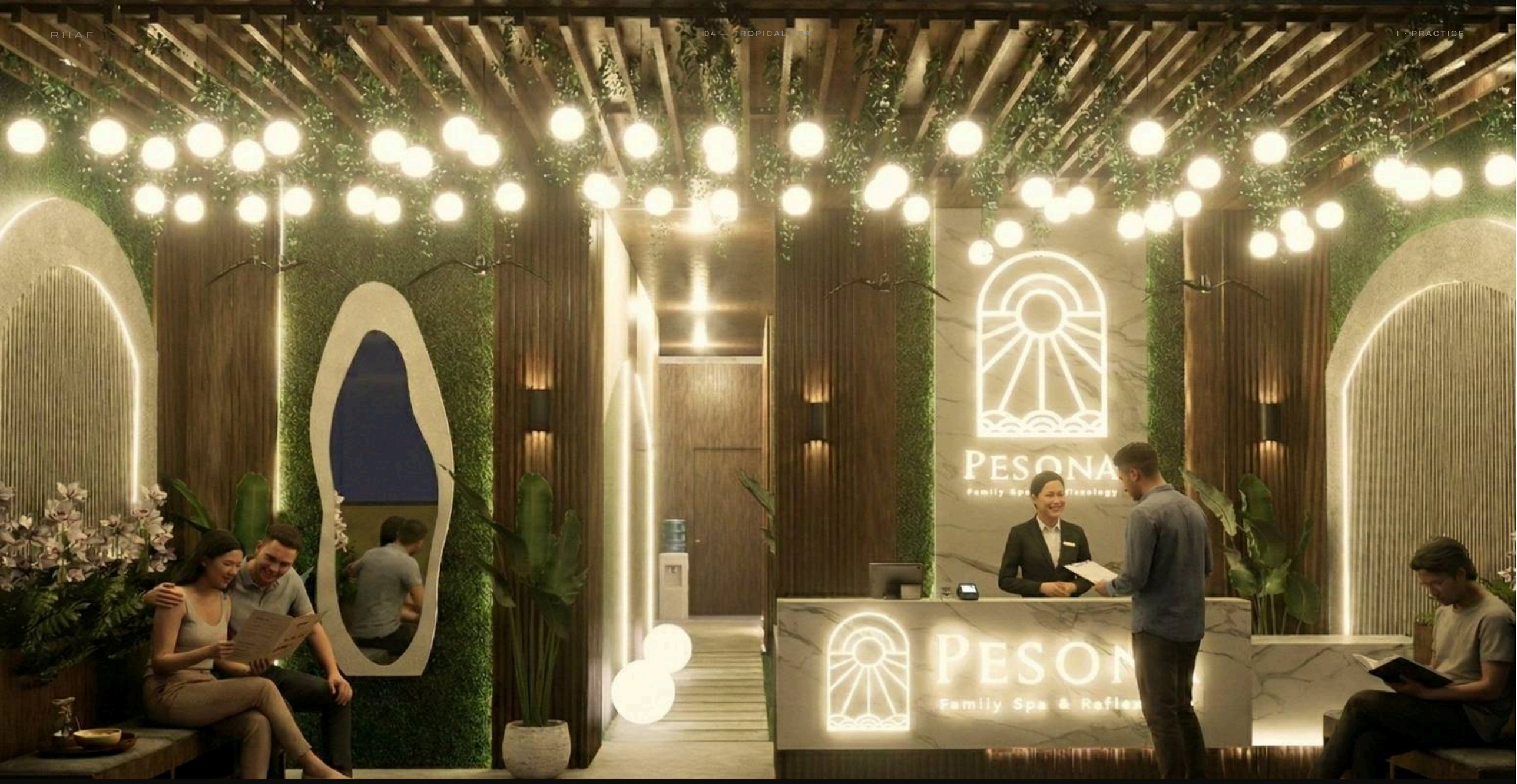





NEKO


NEKO


NEKO



PRACTICE · PROJECT 04

Tropical Spa Renovation

Redesigning an existing shophouse spa

A redesign of Pesona, an existing family spa in a Yogyakarta shophouse. Rich timber, natural stone and abundant greenery, lit with warm light that imitates sunlight, give the spa the calm the client asked for.

Procurement drove the design: every material and fixture can be sourced online within Indonesia. The programme includes reception, a foot-wash lounge, private massage rooms, a photo spot that strengthens the brand, a staff room and storage.

TYPE	Interior renovation: day spa
LOCATION	Yogyakarta, Indonesia
STATUS	Concept approved by client
MY ROLE	Site measurement, client briefing, concept planning, 3D modelling, rendering
TOOLS	SketchUp · D5 Render · AI rendering for atmosphere

PRACTICE · 04

Tropical Spa Renovation

Redesigning an existing shophouse spa

A redesign of Pesona, an existing family spa in a Yogyakarta shophouse. Rich timber, natural stone and abundant greenery, lit with warm light that imitates sunlight, give the spa the calm the client asked for.

Procurement drove the design: every material and fixture can be sourced online within Indonesia. The programme includes reception, a foot-wash lounge, private massage rooms, a photo spot that strengthens the brand, a staff room and storage.









240 m²

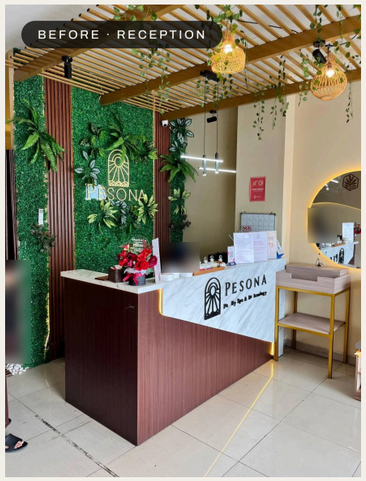
INTERIOR AREA

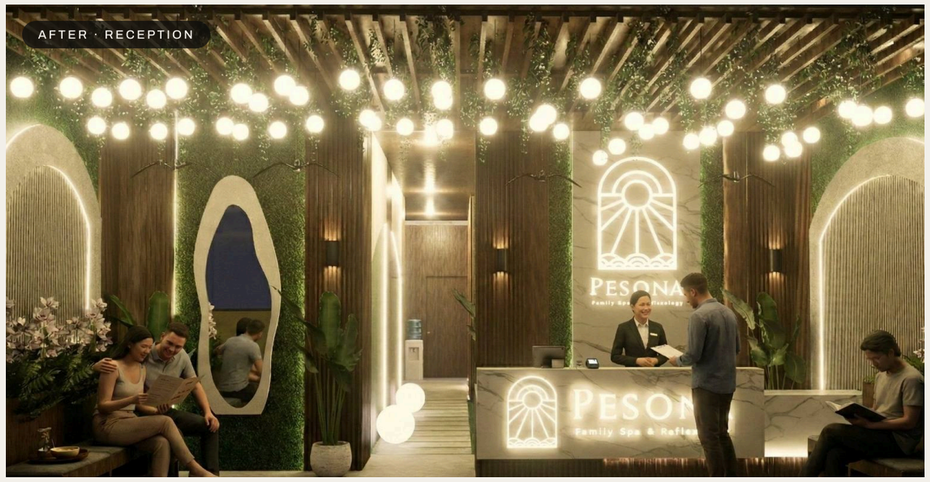
TYPE	Interior renovation: day spa
LOCATION	Yogyakarta, Indonesia
STATUS	Concept approved by client
MY ROLE	Site measurement, client briefing, concept planning, 3D modelling, rendering
TOOLS	SketchUp · D5 Render · AI rendering for atmosphere

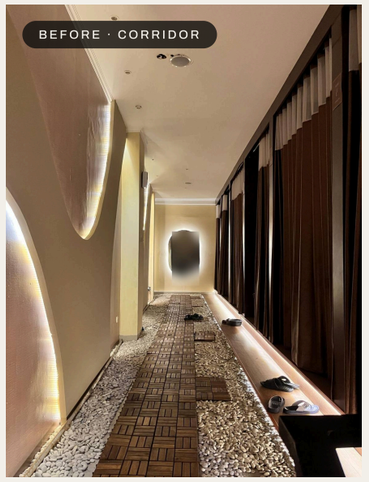
PRACTICE · 04

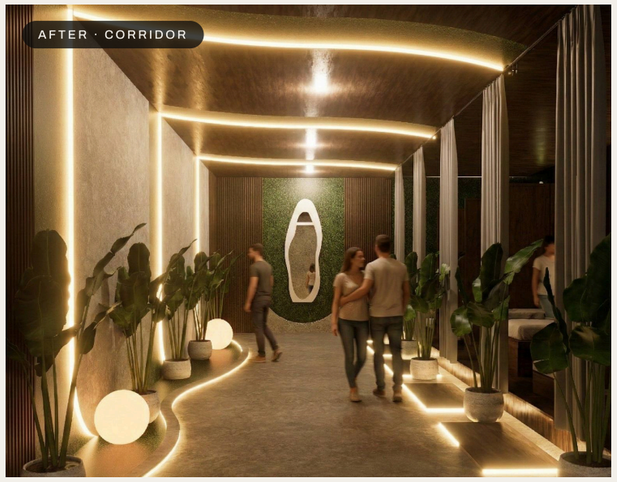
Before & after

Site photos of the existing spa and the redesign: same footprint and brand, new spatial sequence, materials and lighting. Faces blurred for privacy.

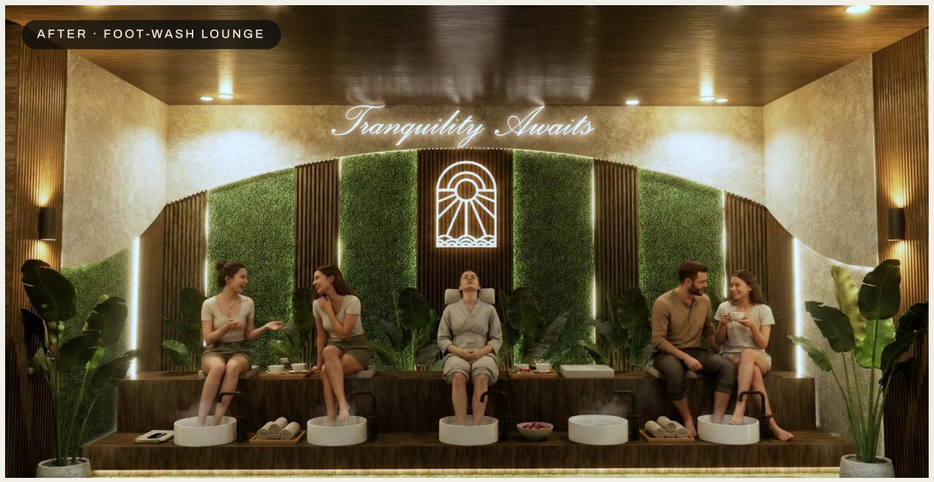




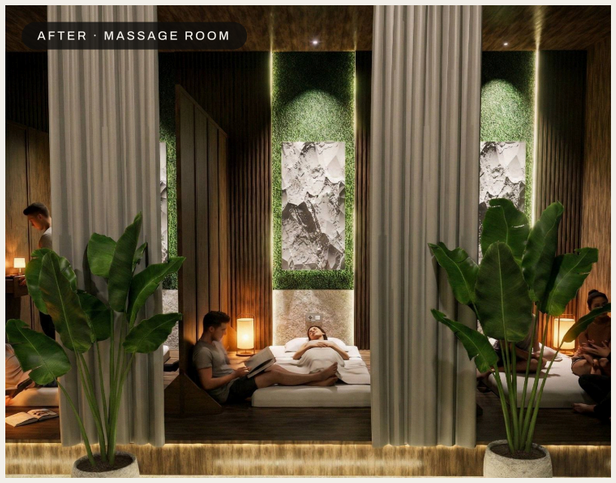


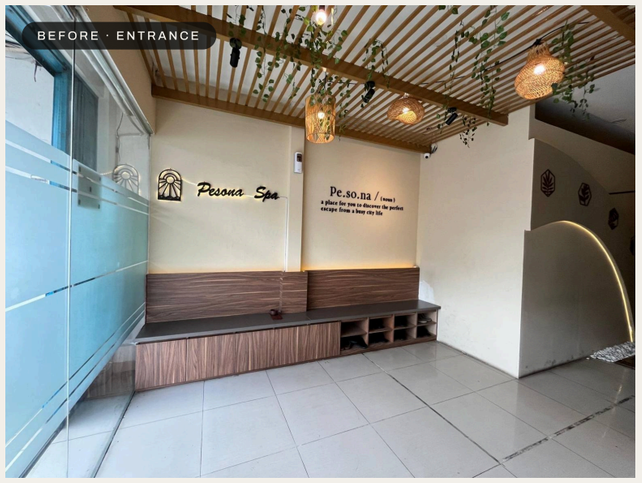
















PRACTICE · PROJECT 05

Tropical-Modern Housing Prototype

Privacy as a layered façade

TERRACE-HOUSE PROTOTYPE · CIANJUR · 180 M² · CLIENT-APPROVED CONCEPT

PRACTICE · 05

Tropical-Modern Housing Prototype

Privacy as a layered façade

The prototype for a planned multi-unit development puts privacy first. Closed boundary walls separate each unit from its neighbours.

Narrow horizontal strip windows keep the ground floor private, and a breeze-block screen hides the entrance from views, noise and weather. Upstairs, a timber louvre second skin veils the main openings while still admitting light and air.

180 m²

PER UNIT

TYPE	Two-storey terrace house, exterior design
LOCATION	Cianjur, West Java, Indonesia
STATUS	Concept approved by client
MY ROLE	Site measurement, client briefing, concept planning, 3D modelling, rendering
TOOLS	SketchUp · D5 Render

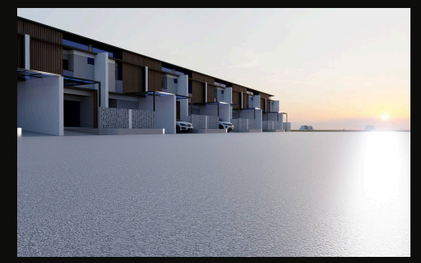












PRACTICE · 06

Hypnotherapy Counselling Room

Architecture as part of the therapy · under construction



A therapeutic interior that feels residential rather than clinical, so clients feel calm, safe and private from the moment they enter. The design is now under construction, and I supervise the work on site.

Soft neutrals, muted sage upholstery, warm timber and indirect light set a grounded palette. Vertical timber slats anchor the counselling corner, and seating is placed to give a comfortable distance between therapist and client.

LOCATION	Bandung, Indonesia
STATUS	Approved · under construction
MY ROLE	Site measurement, client briefing, concept, 3D modelling, rendering, on-site supervision and contractor instruction
TOOLS	SketchUp · AutoCAD · D5 Render



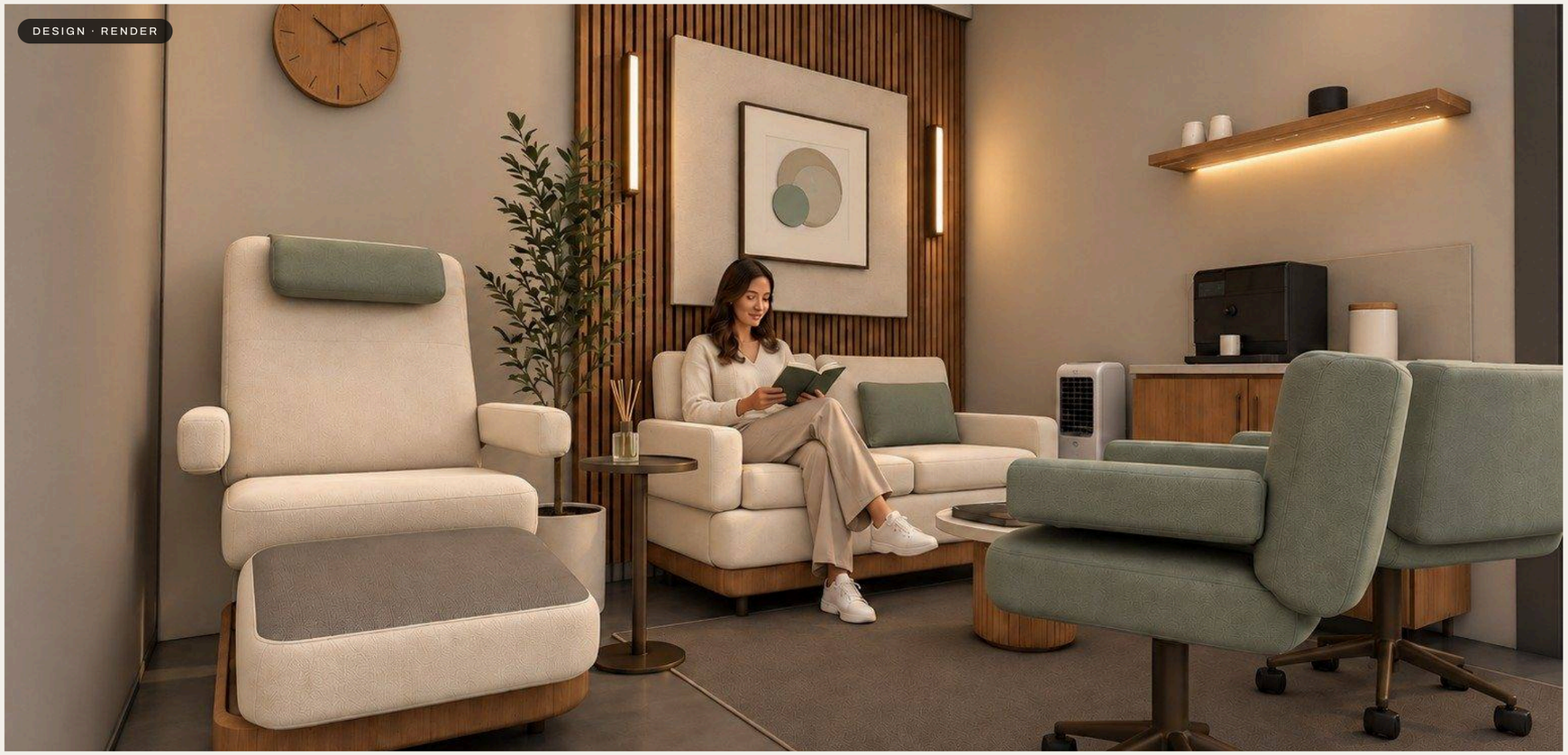


PRACTICE · 06

From render to site

Construction in progress under my on-site supervision: I direct the contractors as the slatted timber feature wall, framed panel, coffered ceiling with cove lighting and ceiling fan go in as designed. Faces blurred for privacy.









PRACTICE · 07

Heritage Living Room

New classical detail around old teak

A semi-classical European living room with detailed wall mouldings and gold accents, as the client requested.

The main constraint shaped the design: the family's teak seating, table and cabinetry had to stay untouched. The new envelope was built around these heritage pieces, so old craftsmanship and new detail read as one room.









26 m²

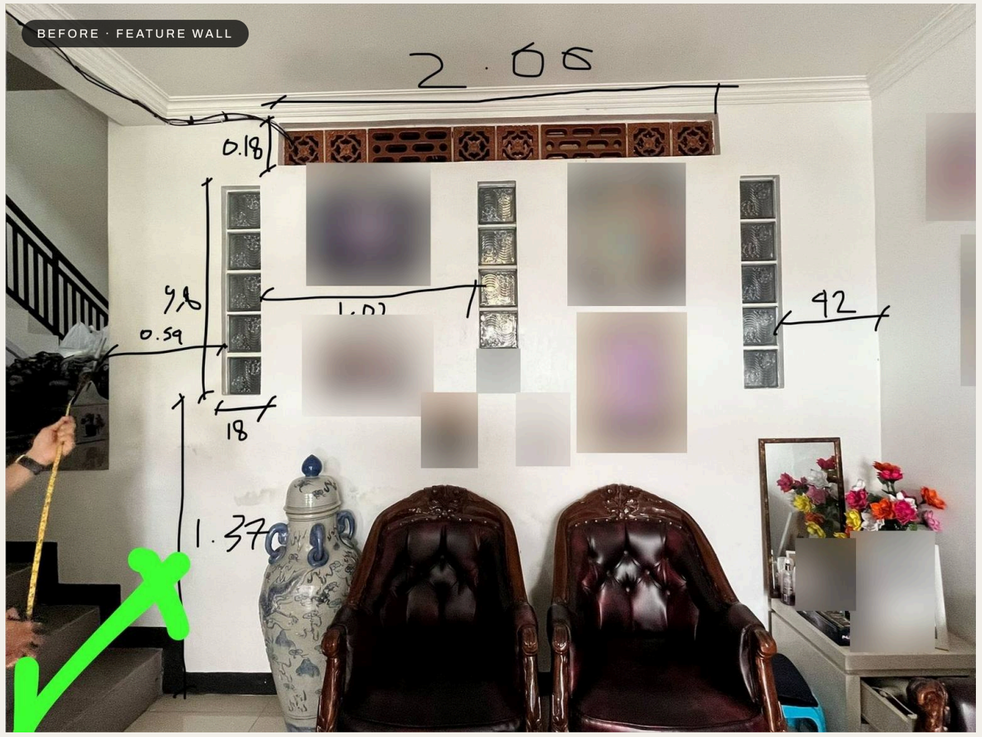
INTERIOR AREA

LOCATION	Buahbatu, Bandung, Indonesia
STATUS	Concept approved by client
MY ROLE	Site measurement, client briefing, concept, 3D modelling, rendering
TOOLS	SketchUp · D5 Render

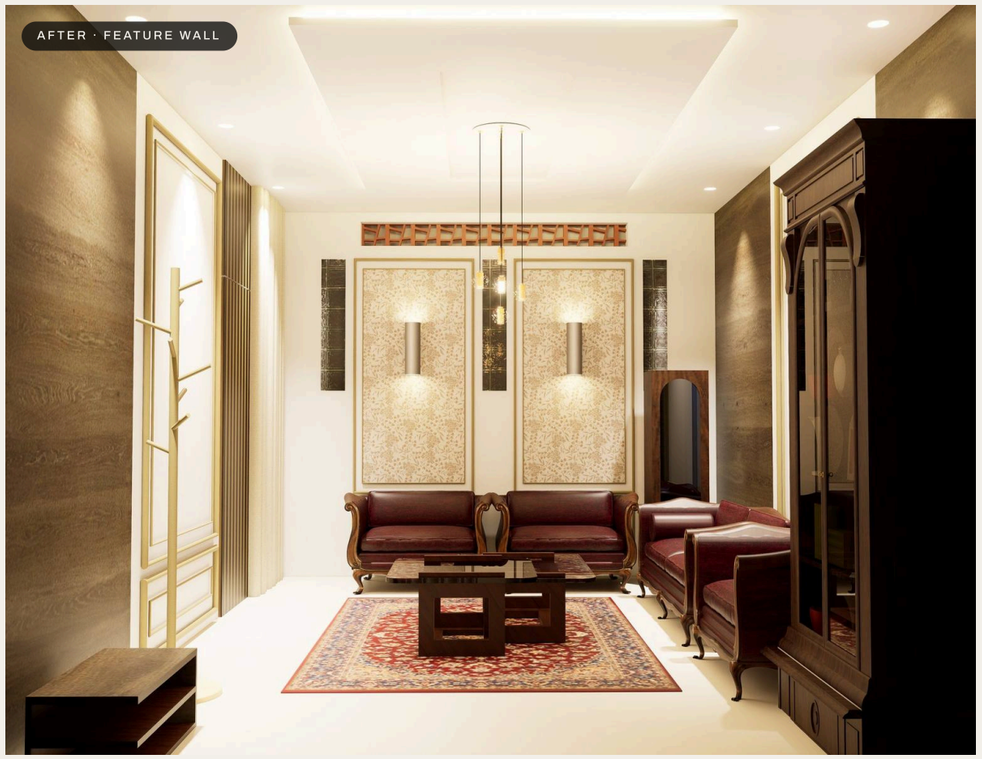
PRACTICE · 07

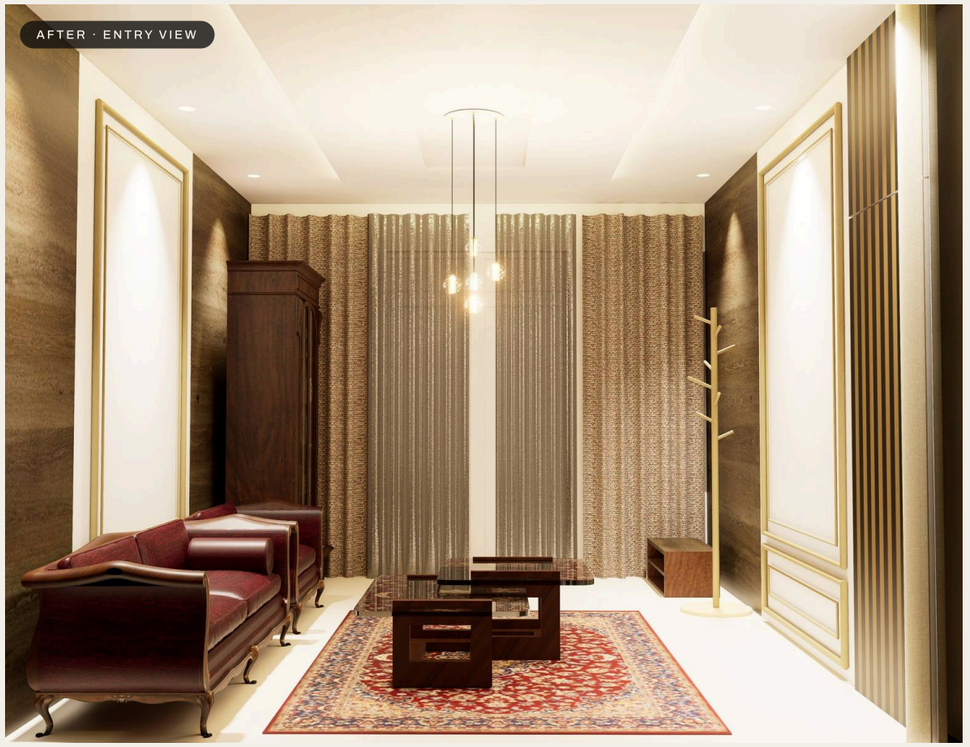
Before & after

The existing wall with my site measurements (family photos blurred for privacy) and the redesigned wall around the client's heritage furniture.





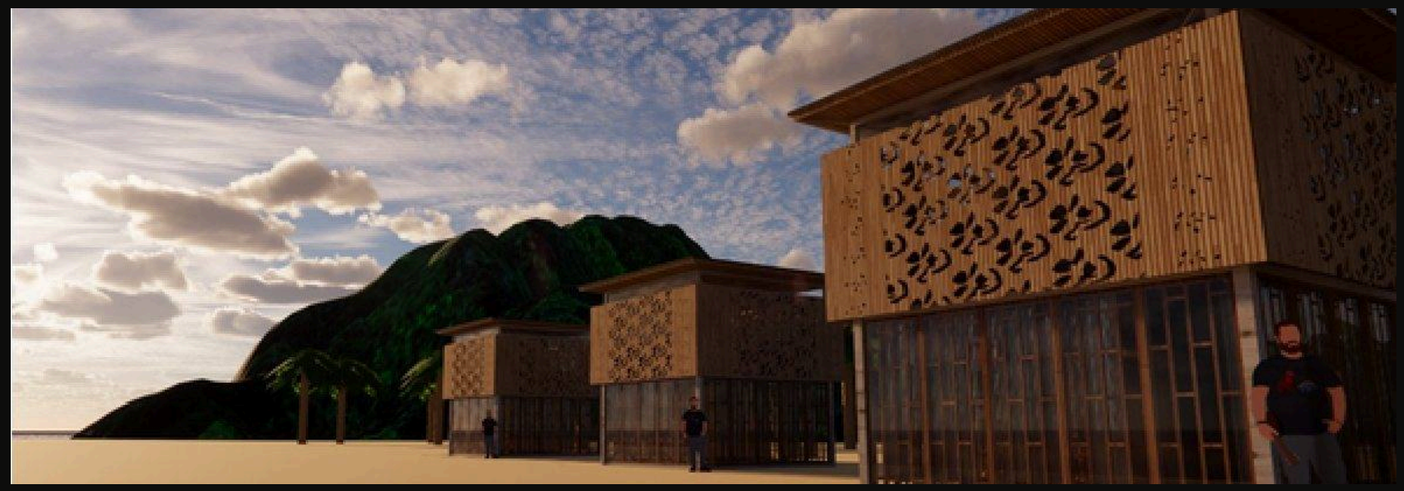


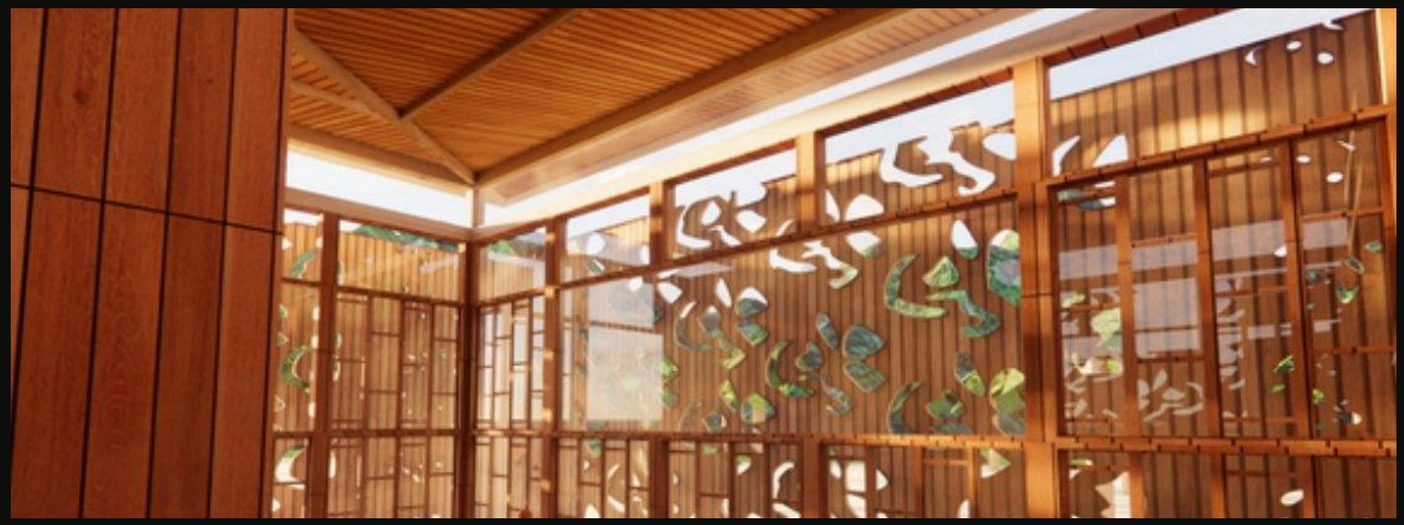


II

Competition

An international ideas competition: a deployable tiny house that brings education to Indonesia's remote coastal villages, built from modular timber systems and local craft.









COMPETITION · PROJECT 08

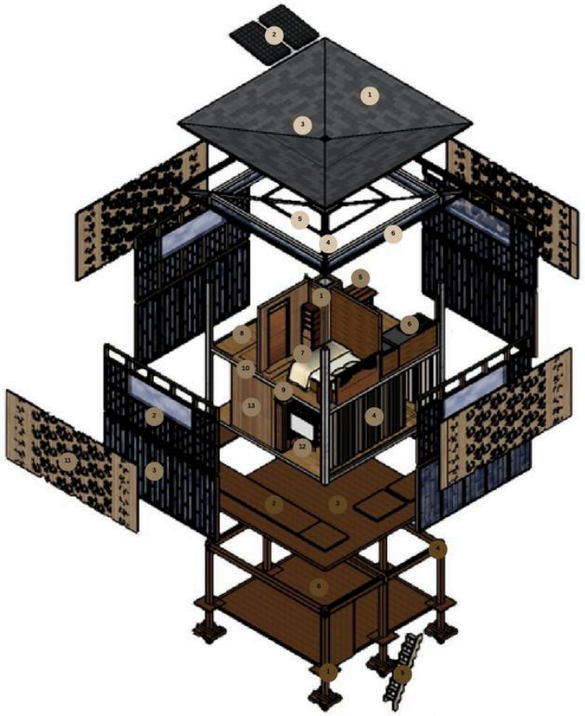
Hadiah

A modular tiny house that gives back: “hadiah” means gift

Belitung's coastal villages lack education facilities. Hadiah houses visiting local and foreign teachers and doubles as a learning space, workspace and mini library for the community.

Its perforated second-skin façade draws on the island's traditional *cual* textile patterns while controlling heat, light and weather. Removable ironwood piles, interlocking beams and folding elements let the module stand on land or in water, and a grid lets houses cluster into a community. Rainwater harvesting and solar panels close the loop.

CONTEXT	Volume Zero Tiny House International Competition
LOCATION	Belitung coast, Indonesia
SYSTEMS	Removable ironwood piles · interlocking timber beams · modular walls · folding stairs
RESOURCES	Rainwater harvesting · solar panels



HEAD

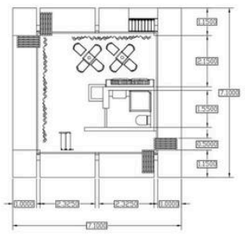
1. bitumen shingles
2. solar panel
3. rain water harvesting shaft (pvc pipe)
4. purlin
5. rafter
6. facia (board)

BODY

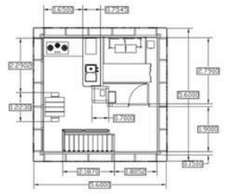
1. shaft
2. second floor wood facade
3. first floor foldable wood facade
4. curtains
5. efficient furnitures
6. kitchen
7. bed room
8. foldable staircase (ground floor - second floor)
9. plywood subfloor
10. joist
11. second skin facade
12. study, working and meeting room
13. bathroom (15cm concrete wall)

GROUND

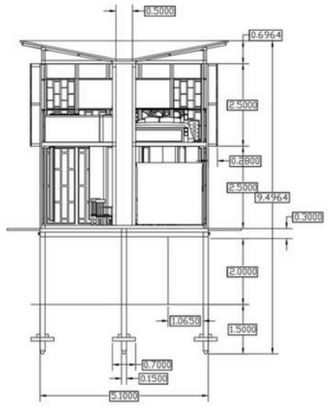
1. 15x15 removable pile ironwood column
2. foldable wooden platforms
3. plywood subfloor
4. interlock wooden beam system
5. foldable staircase (water - ground floor)
6. utility room/ boat parking space



open facade first floor plan



second floor plan



site section

BUILDING FACADE



second facade for thermal, light, weather, and pollution support



inspired by **Bangka Belitung's** traditional clothing patterns **"batik cual"**

BUILDING UTILITY

solar panel, using the sun for electrical power.

rain water harvesting system, harvesting rain water and filtraiting it to be usable clean water.

BUILDING MASSING

Buildings are shaped based on a **grid system**, to ease synchronisation between building, and strengthen community

STRUCTURE SYSTEM

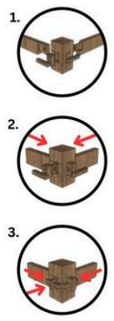
MODULAR WALL SYSTEM



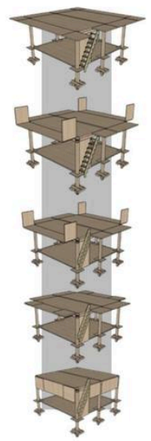
REMOVABLE PILE IRON WOOD COLUMN

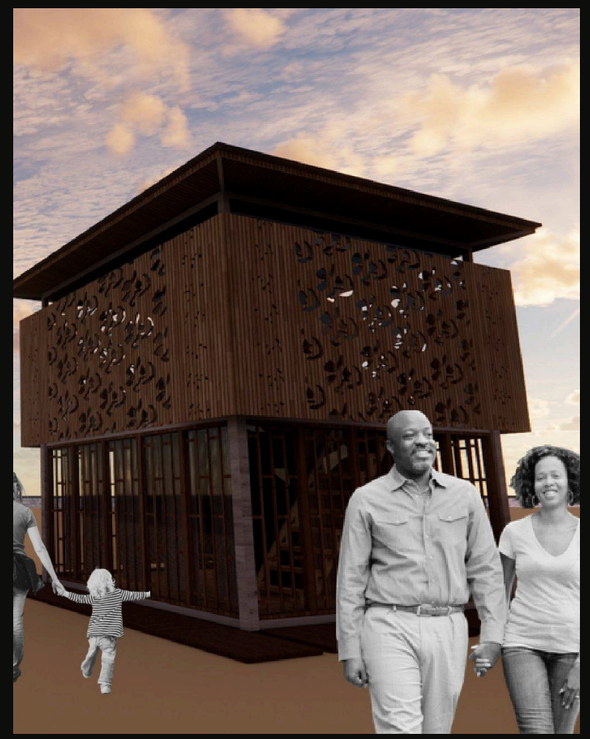


INTERLOCKING SYSTEM



FOLDING SYSTEM

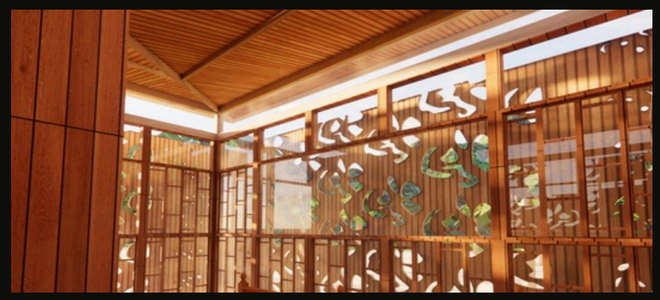


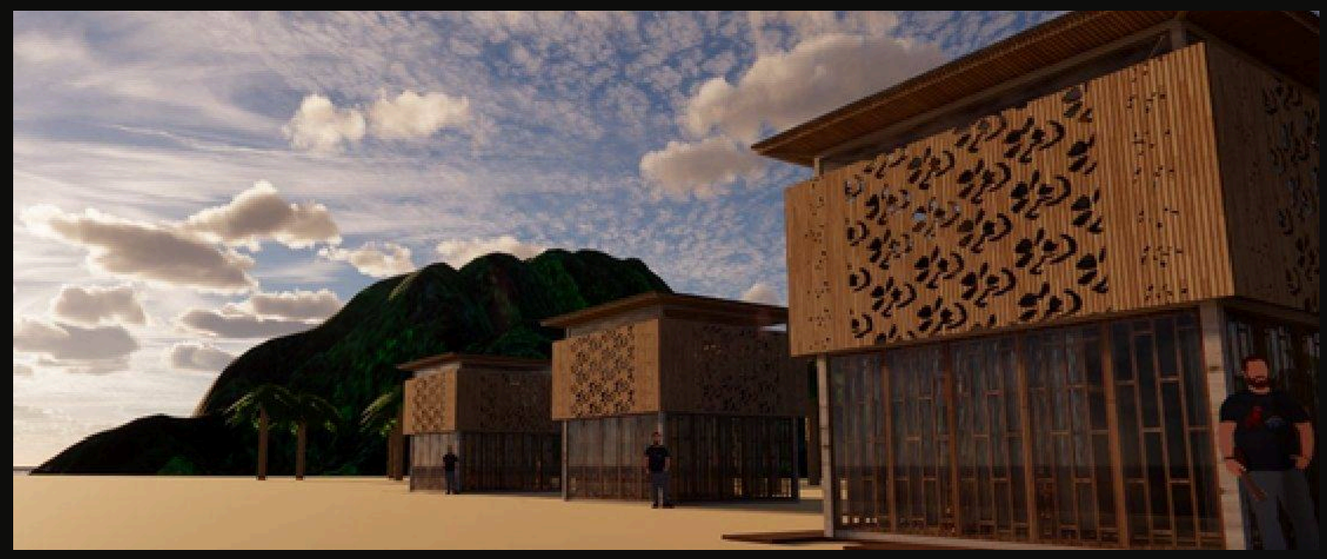












III

Academy

Two design studios at UNPAR that grow in scale and complexity, from a 1,882 m² hillside retreat to a 10,916 m² mixed-use building with a full drawing set: plans, sections, elevations and 1:50 details.

09 Shell N' Nest — 1,882 M² · PUNCLUT — 30

10 Wasta Kancana Golden Thread Creative Hall — 10,916 M² · BANDUNG — 34









ACADEMY · PROJECT 09

Shell N’ Nest

Cabins, restaurant & chicken-farm gallery on a forested hillside

The brief: turn a chicken farm into a small-scale, nature-based recreation and education destination on a hillside with difficult vehicle access.

The **restaurant is a nest**, the site's focal point, wrapped in a timber second skin inspired by Beijing's Bird's Nest and adapted to local wood. The **cabins have egg-shaped plans**: private and calm. The **farm gallery is a hatched shell** that shows a modern, labour-efficient battery-cage system.

CONTEXT	Design Studio 4, UNPAR, 2024/25. Individual project
LOCATION	Punclut, Bandung, West Java
TUTOR	Ar. Ari Priyanto, S.T., M.T., IAI

ACADEMY · 09

Shell N' Nest

Cabins, restaurant & chicken-farm gallery on a forested hillside

The brief: turn a chicken farm into a small-scale, nature-based recreation and education destination on a hillside with difficult vehicle access.

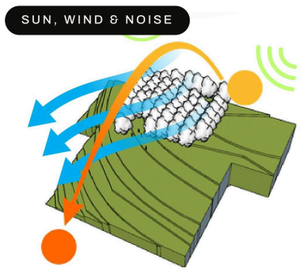
The **restaurant is a nest**, the site's focal point, wrapped in a timber second skin inspired by Beijing's Bird's Nest and adapted to local wood. The **cabins have egg-shaped plans**: private and calm. The **farm gallery is a hatched shell** that shows a modern, labour-efficient battery-cage system.

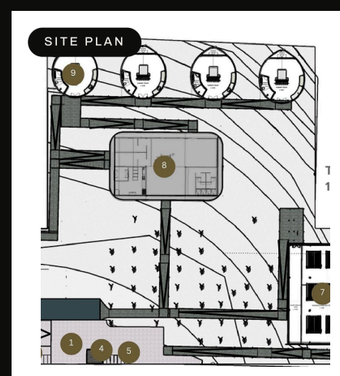
1,882 m²

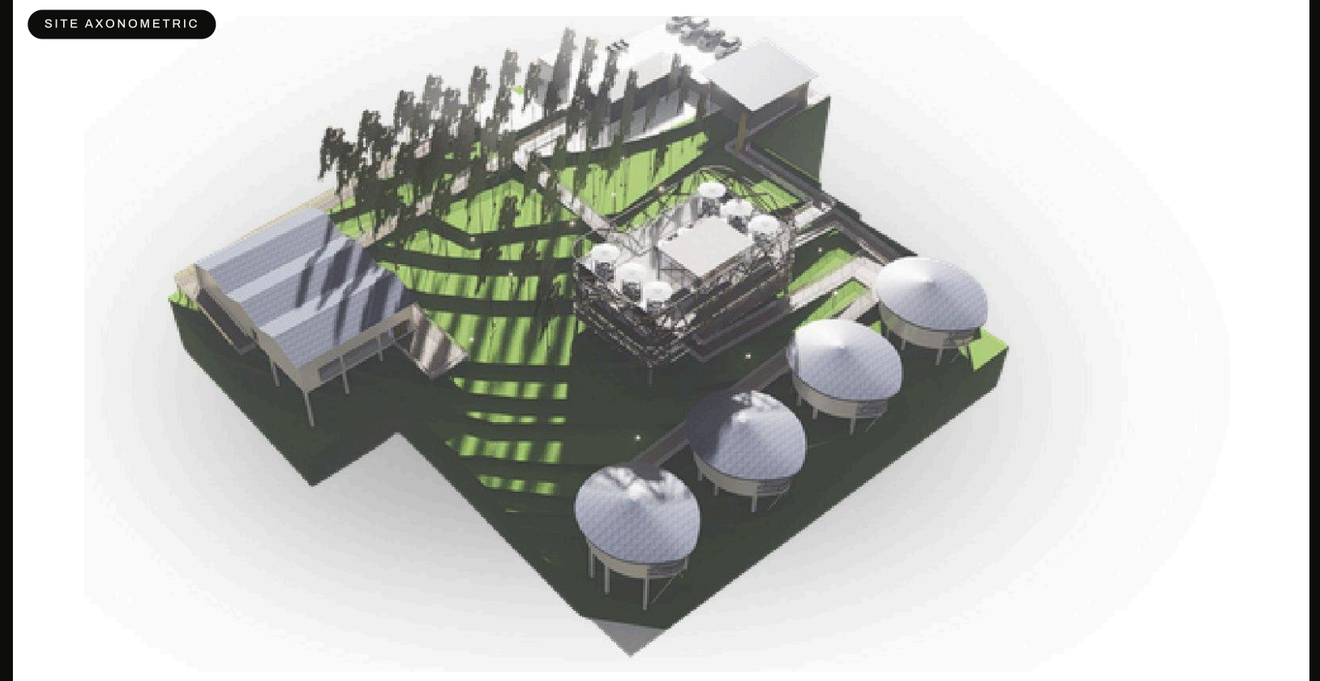
BUILDING FOOTPRINT

CONTEXT	Design Studio 4, UNPAR, 2024/25. Individual project
LOCATION	Punclut, Bandung, West Java
TUTOR	Ar. Ari Priyanto, S.T., M.T., IAI









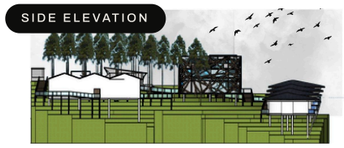
ARRIVAL & RECEPTION



FRONT ELEVATION



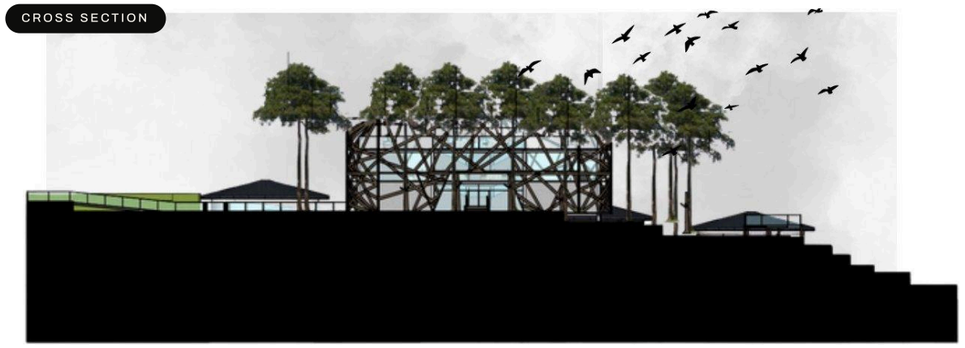
SIDE ELEVATION

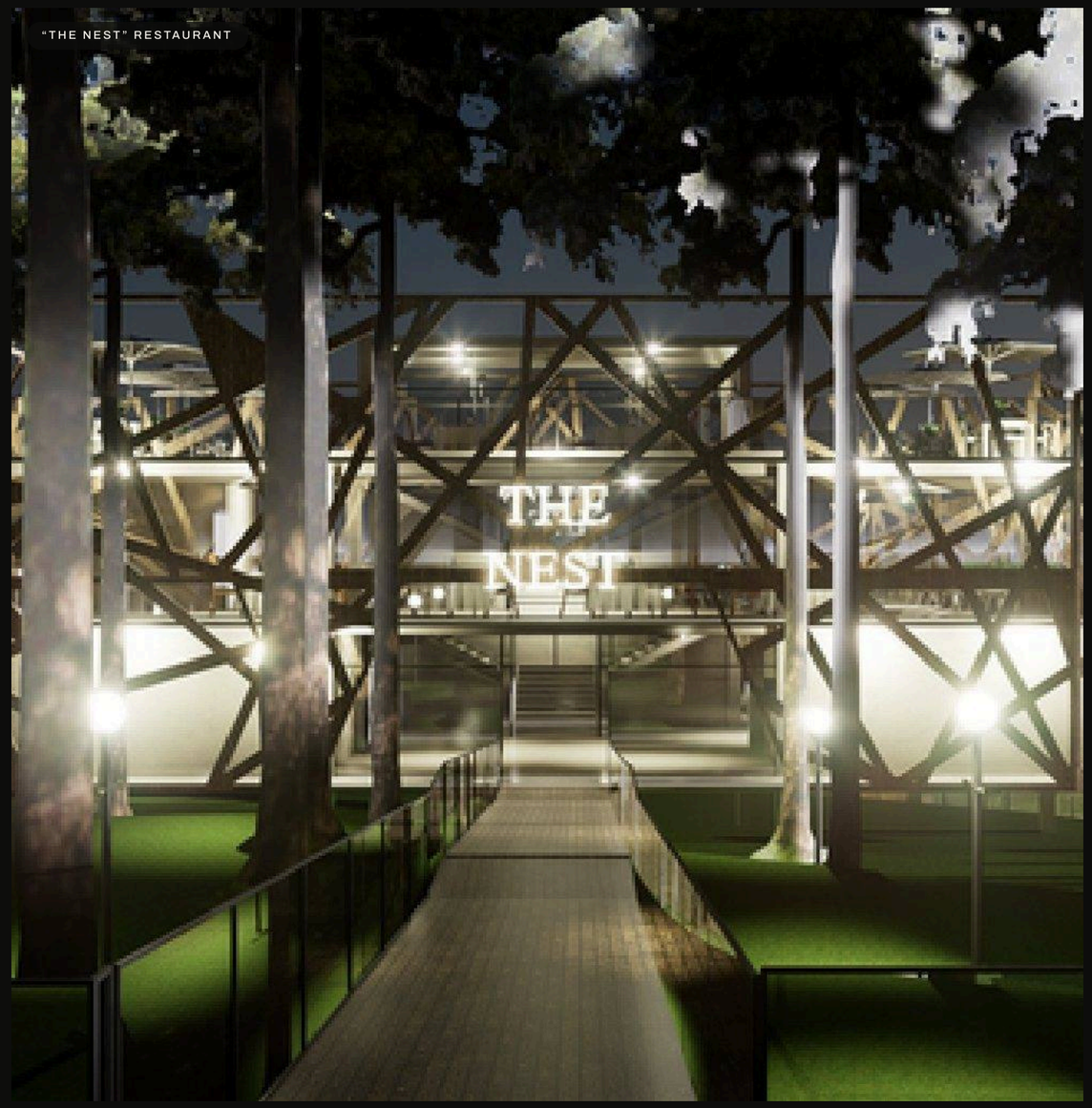


LONG SECTION



CROSS SECTION





"THE NEST" RESTAURANT





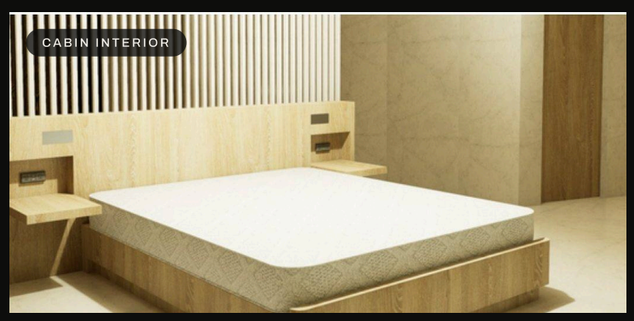


FARM GALLERY



EGG-PLAN CABINS





CABIN INTERIOR

ACADEMY · PROJECT 10

Wasta Kancana Golden Thread Creative Hall

A brand-led creative hub that wraps itself in thread

MIXED-USE CREATIVE HUB · BANDUNG · 10,916 M² GFA · 6 STOREYS + 3 BASEMENTS

ACADEMY · 10

The Golden Thread

Concept

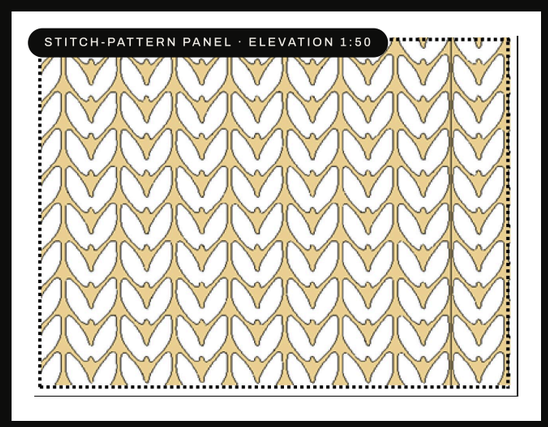


Modern, tropical, quietly luxurious. A contemporary form for a brand that stays relevant; a direct response to Indonesia's climate and material palette; premium finishes that signal product quality.

Façade as thread and stitch. Two secondary skins shield the building from low east and west sun: linear louvres read as straight running threads, and laser-cut perforated aluminium carries a textile stitch pattern. Together they wind around the massing like thread on a spool.

Colour and wellbeing. Golden yellow, the brand's heritage colour, stands for optimism, creativity and prestige. Curves, warm tones and dense planting add biophilic calm.

TYPE	Retail, F&B, education, workshop, museum, event hall
CONTEXT	Design Studio 5, UNPAR, 2026. Individual project
HEIGHT	6 storeys + 3 basement levels · 84 cars, 240 motorcycles
TUTORS	Dian Indah Syarie, IAI · Dr. Ir. Yasmin Suriansyah, IAI · Coord. Dr. Carissa
VISUALISATION	Rendered views with AI rendering for atmosphere







ACADEMY · 10

A plan that behaves like an organisation

Site, massing & zoning

The massing follows the site's contours and irregular boundary. **Horizontally** it reads like a clear company structure: public at the front, semi-public in the middle, private at the rear.

Vertically it grows more private with height, from street-level dining and retail to a glazed sewing workshop that shows the creative process to passers-by, the brand museum, training rooms and a hall for private hire at the top.

Climate & safety

Prevailing winds move south, so the north façade opens for cross-ventilation while the east and west faces sit behind the secondary skin, which also filters noise and light. Two goods lifts and three escape stairs keep every zone within evacuation distance.

SITE RESPONSE: SUN PATH, WIND, NOISE

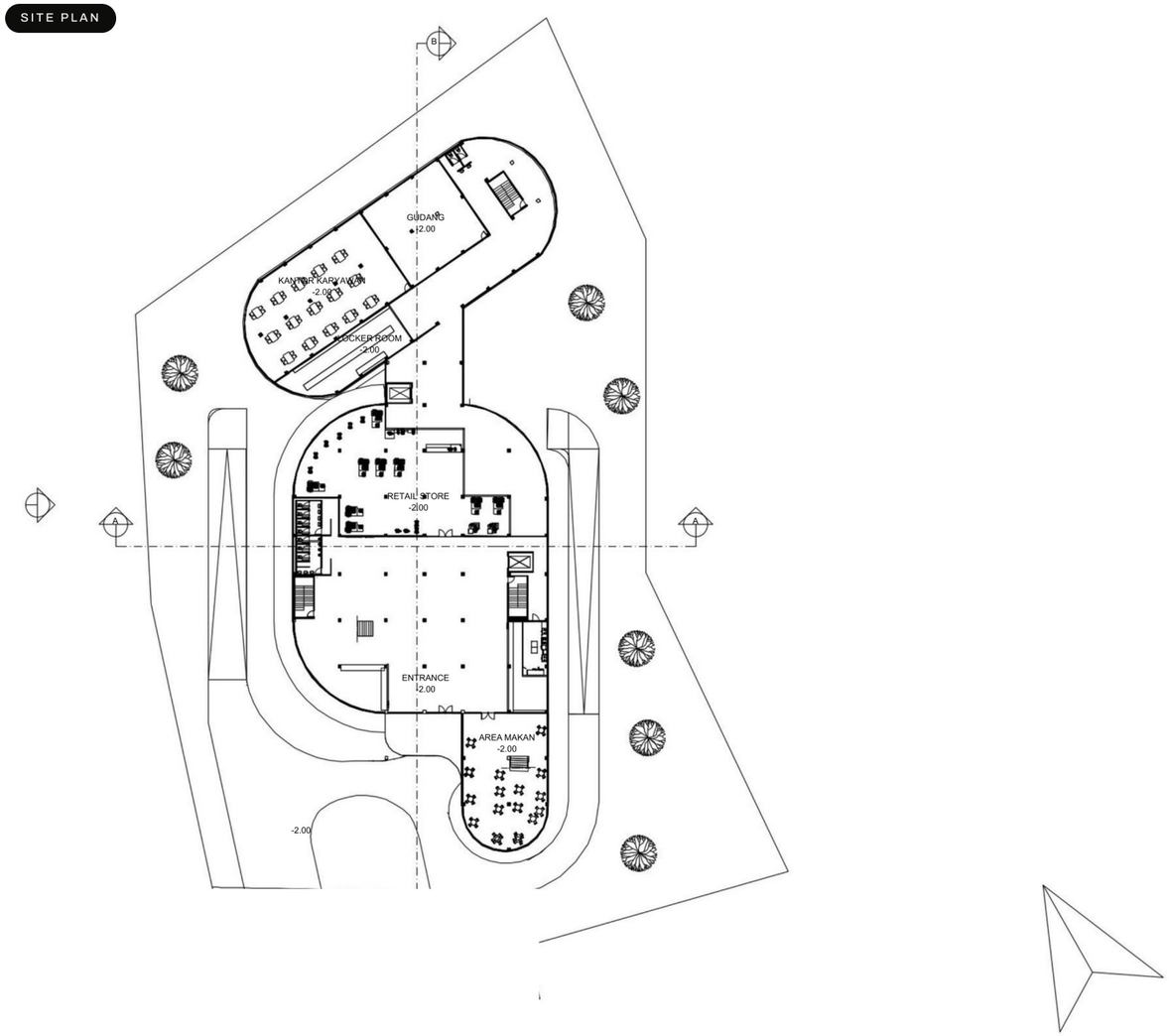


VERTICAL ZONING: MORE PRIVATE AS YOU RISE

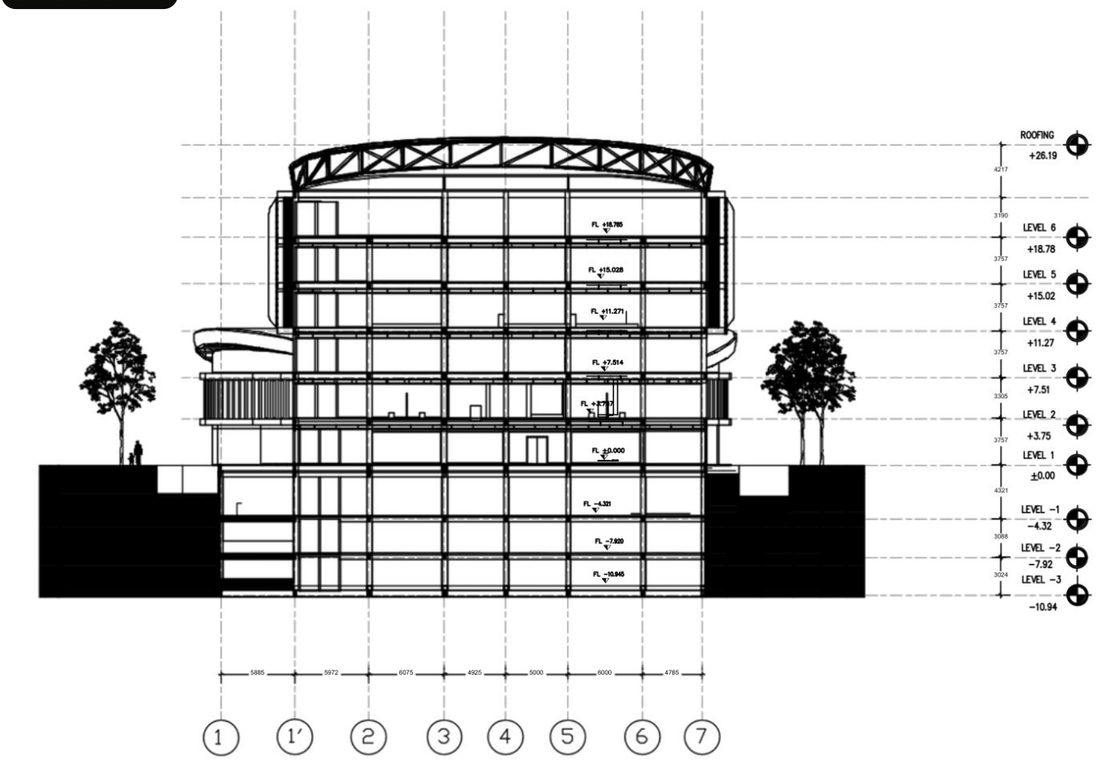
L6	Multi-purpose hall · space-truss roof
L5	Classrooms & training
L4	C59 Museum
L3	Sewing workshop · glazed
L2	Education Hall
L1	Dining · café · C59 retail
B1–B3	Parking · services

PUBLIC · SEMI-PUBLIC · PRIVATE · SERVICE

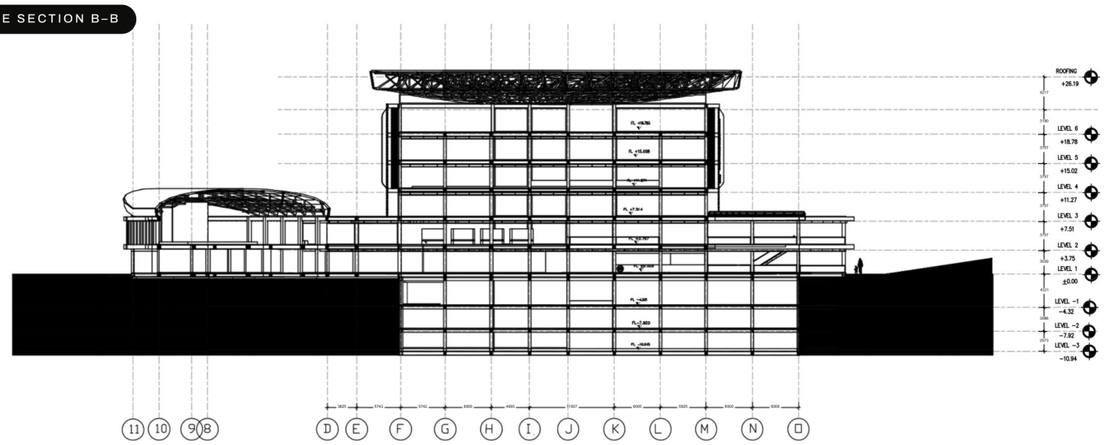
SITE PLAN



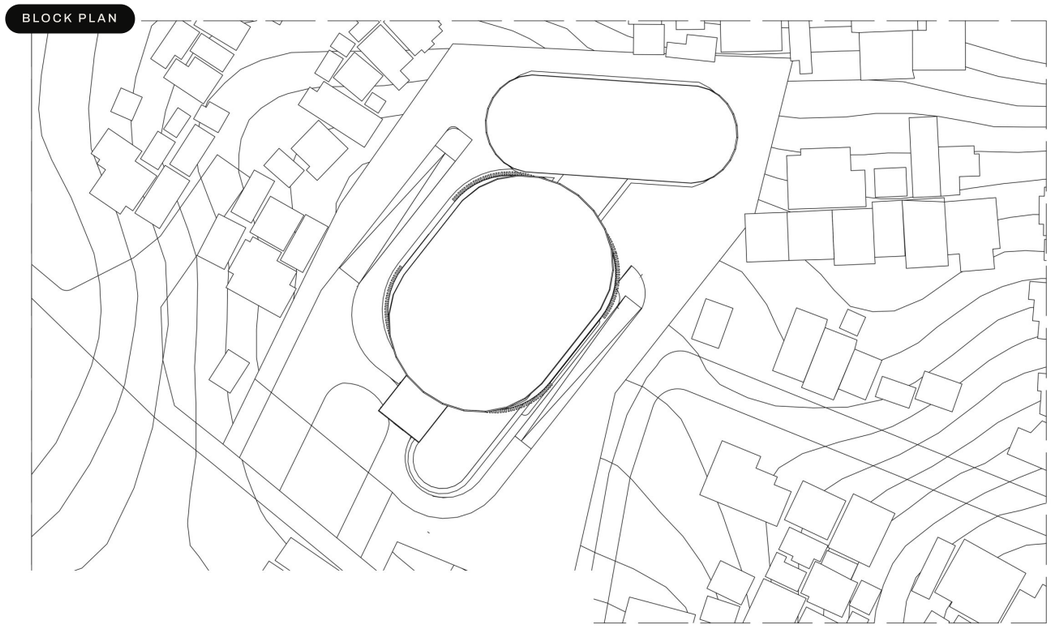
SITE SECTION A–A



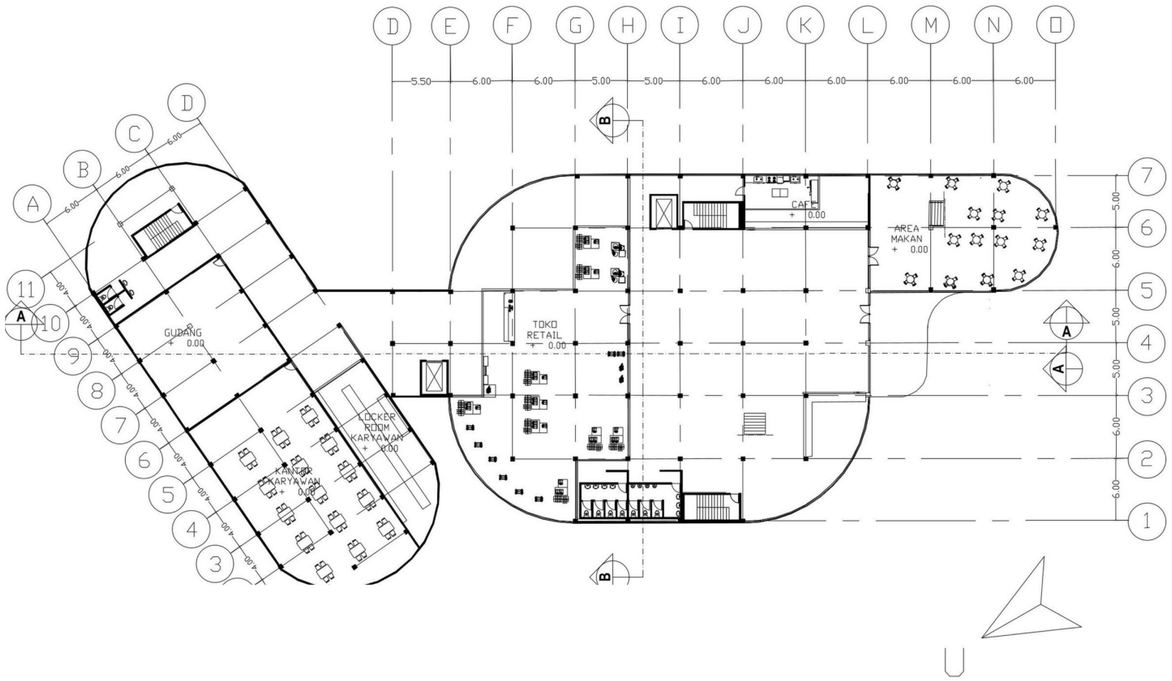
SITE SECTION B–B



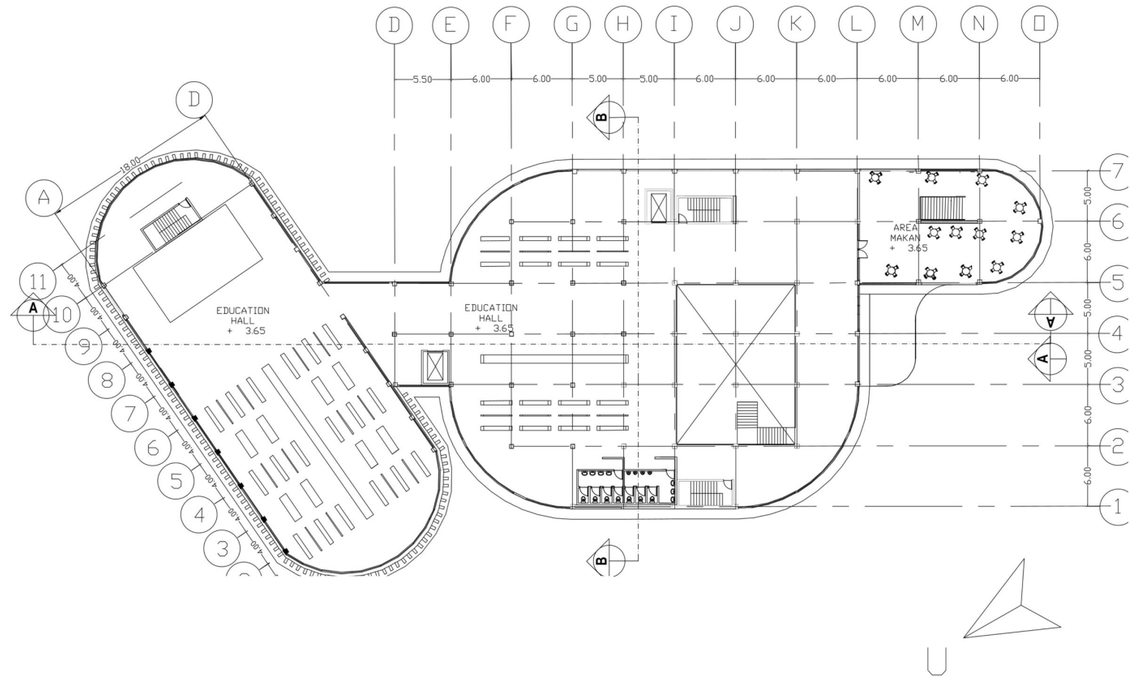
BLOCK PLAN



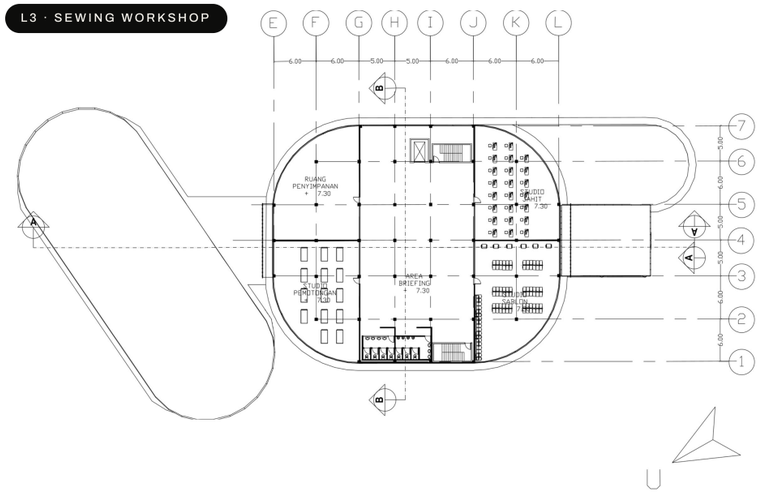
LEVEL 1 · DINING, CAFÉ, RETAIL



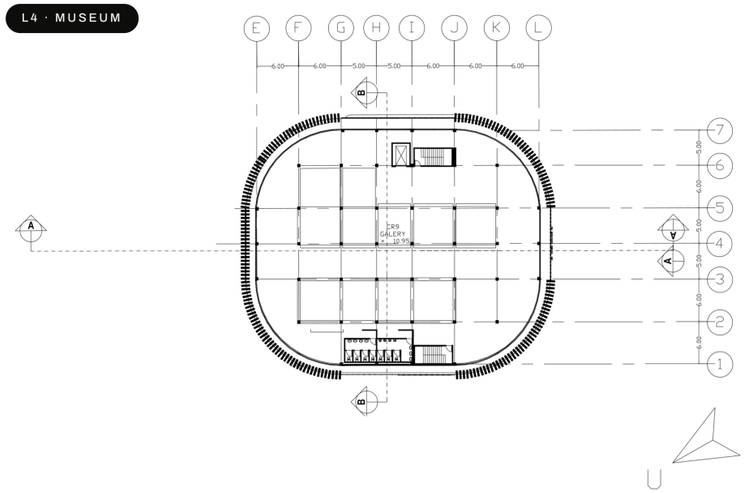
LEVEL 2 · EDUCATION HALL



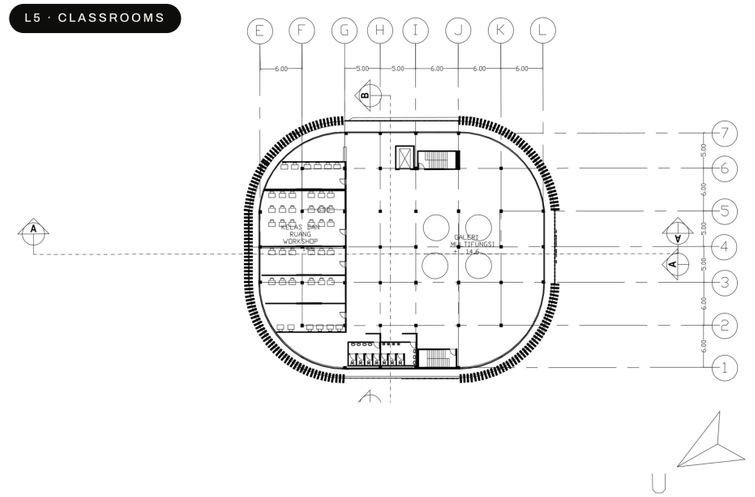
L3 · SEWING WORKSHOP



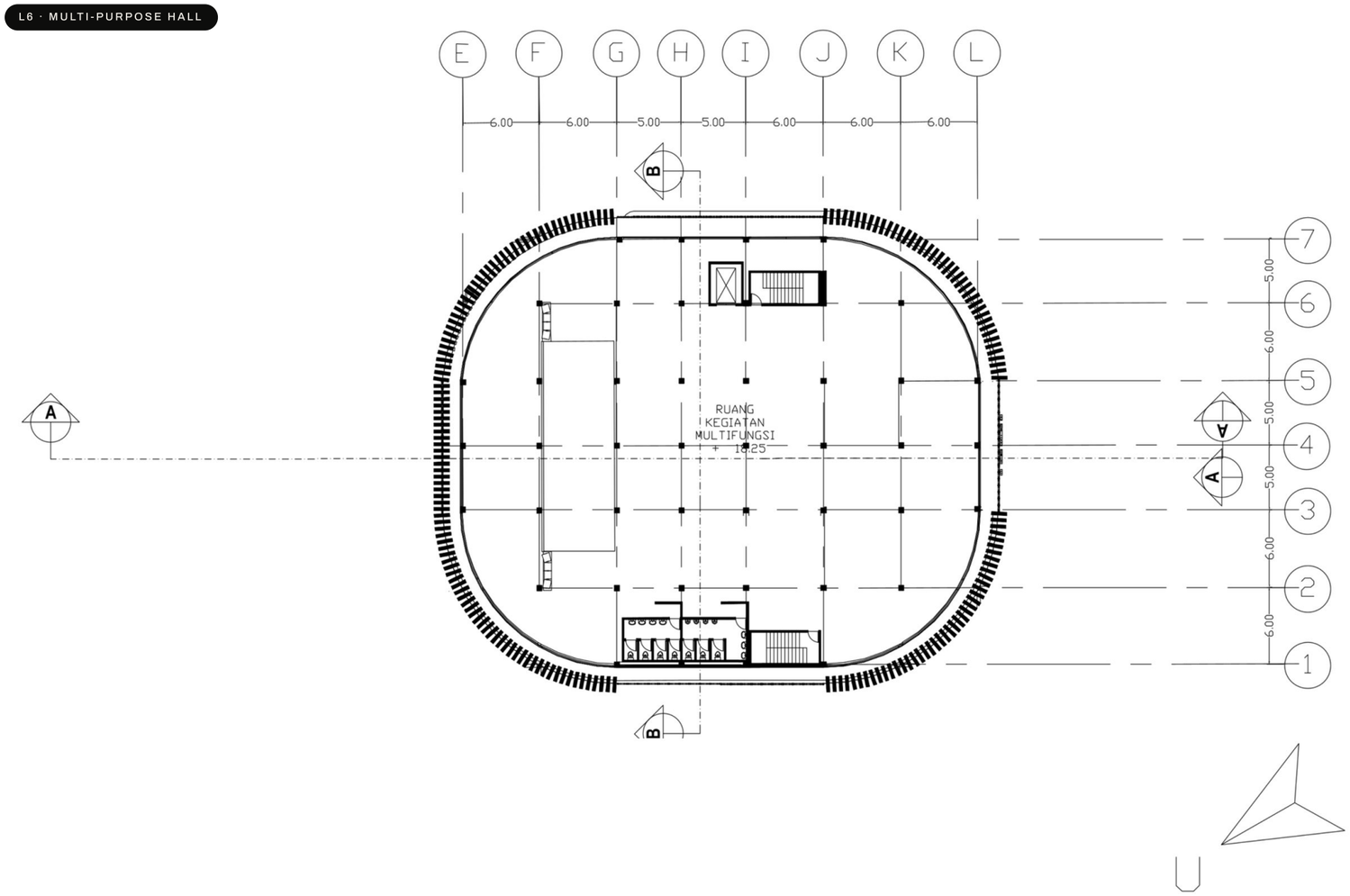
L4 · MUSEUM



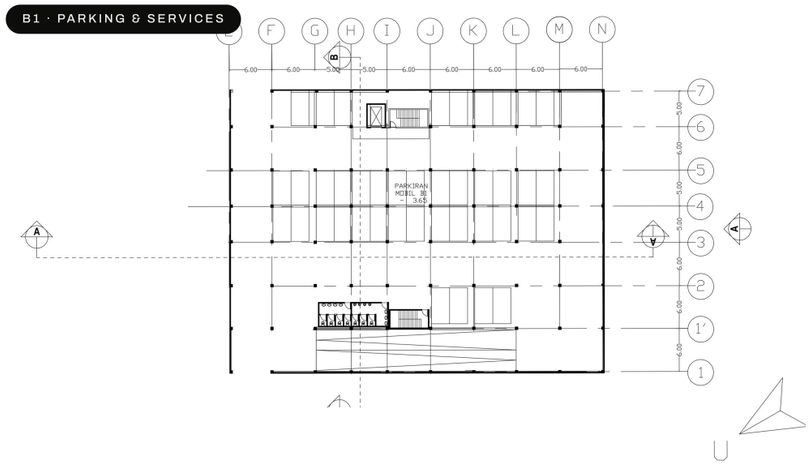
L5 · CLASSROOMS



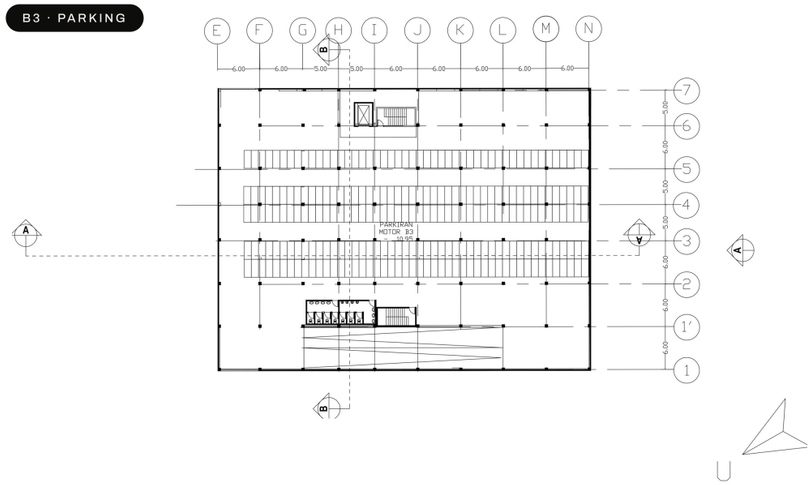
L6 · MULTI-PURPOSE HALL



B1 · PARKING & SERVICES



B3 · PARKING



ACADEMY · 10

Sections, elevations & structure

Drawings

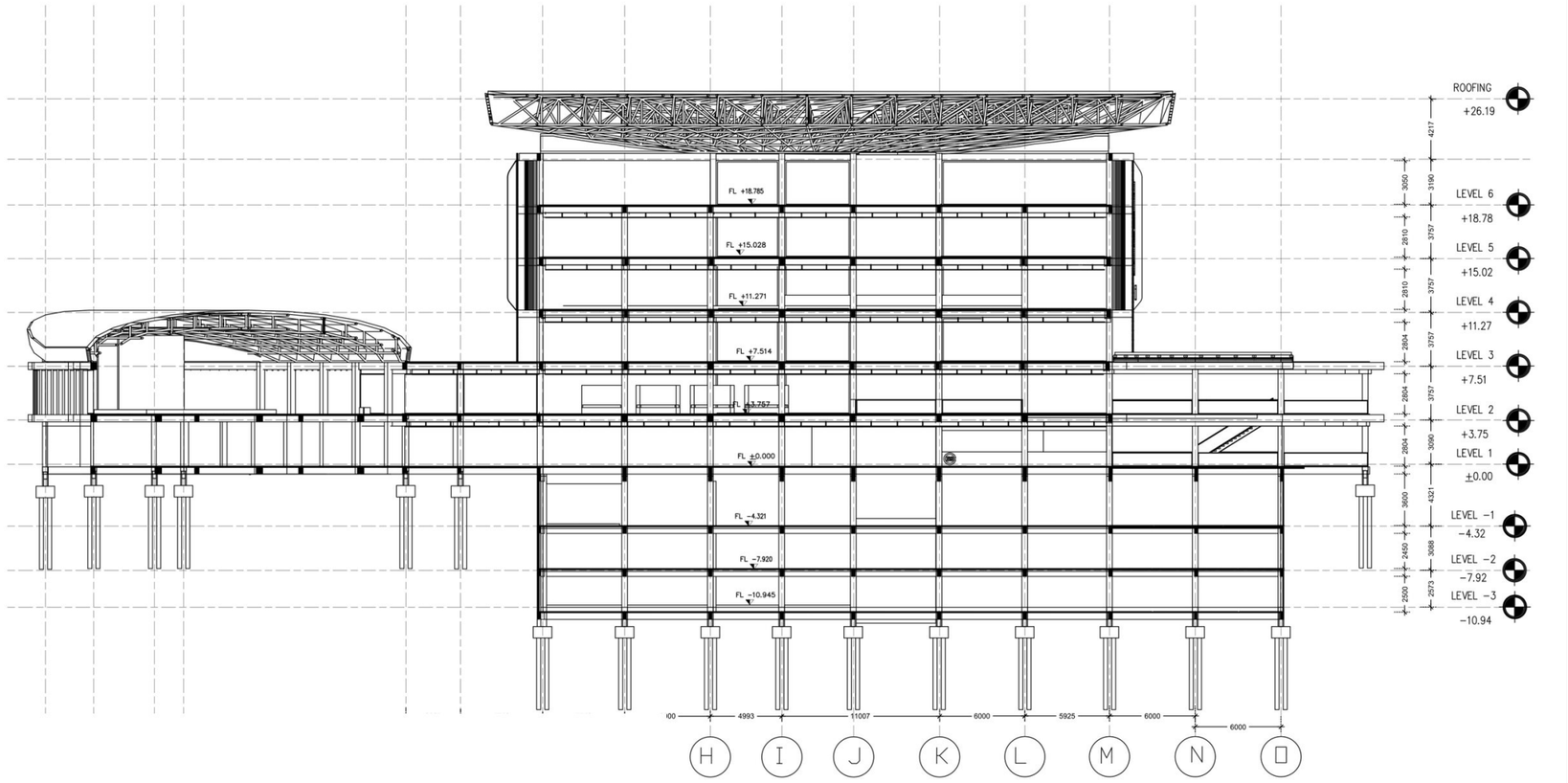
A reinforced-concrete frame with 40 × 40 cm columns on 5 m and 6 m grids carries the lower floors and three basement levels.

The top floors switch to a long-span **steel space truss**, which frees the Education Hall and Multi-purpose Hall from columns.

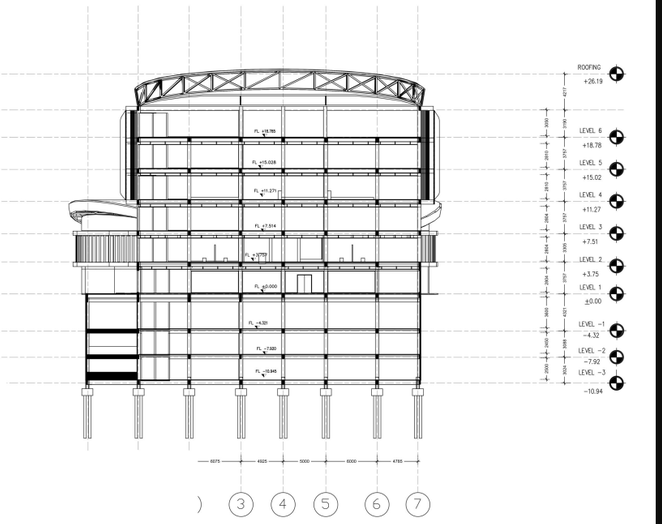
The sections show the stepped podium terraces meeting the slope, the stacked programme and the lightweight crown that gives the building its silhouette.

TYPE	Retail, F&B, education, workshop, museum, event hall
CONTEXT	Design Studio 5, UNPAR, 2026. Individual project
HEIGHT	6 storeys + 3 basement levels · 84 cars, 240 motorcycles
TUTORS	Dian Indah Syarie, IAI · Dr. Ir. Yasmin Suriansyah, IAI · Coord. Dr. Carissa
VISUALISATION	Rendered views with AI rendering for atmosphere

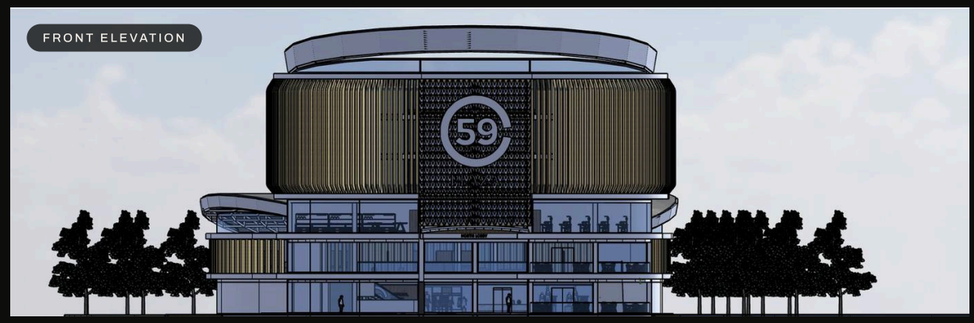
SECTION A–A



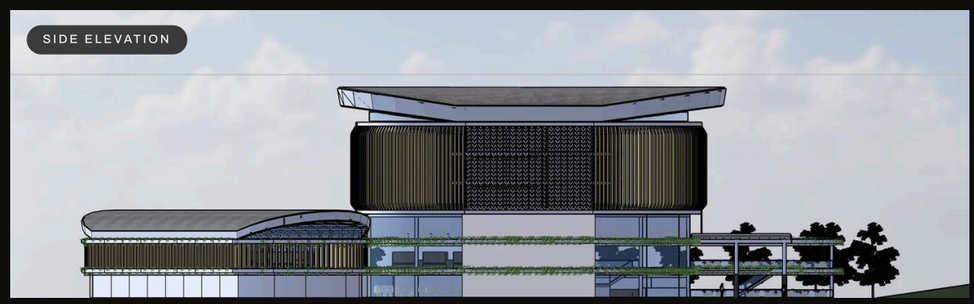
SECTION B–B



FRONT ELEVATION



SIDE ELEVATION





FAÇADE: LOUVRES + STITCH PANELS

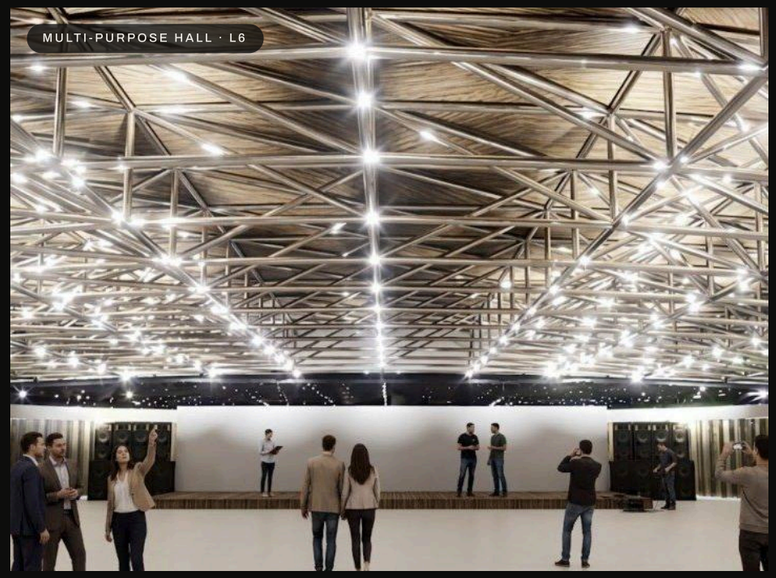


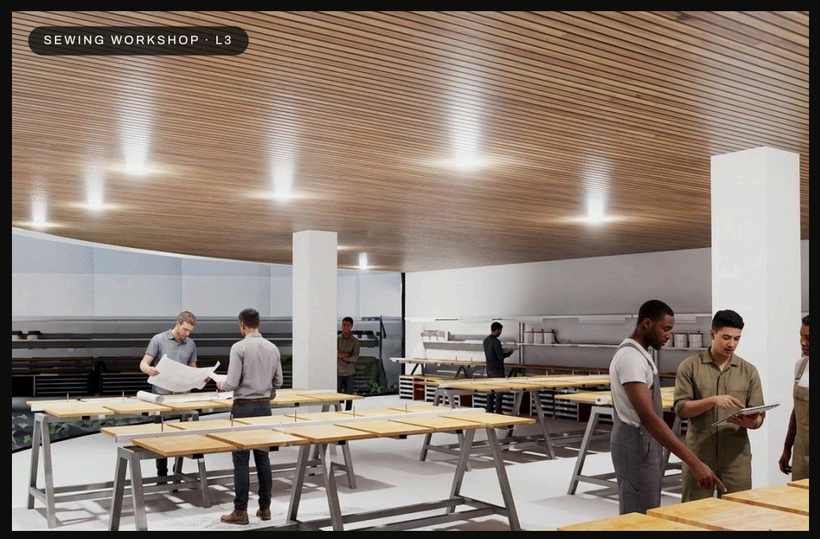
NIGHT VIEW FROM THE STREET

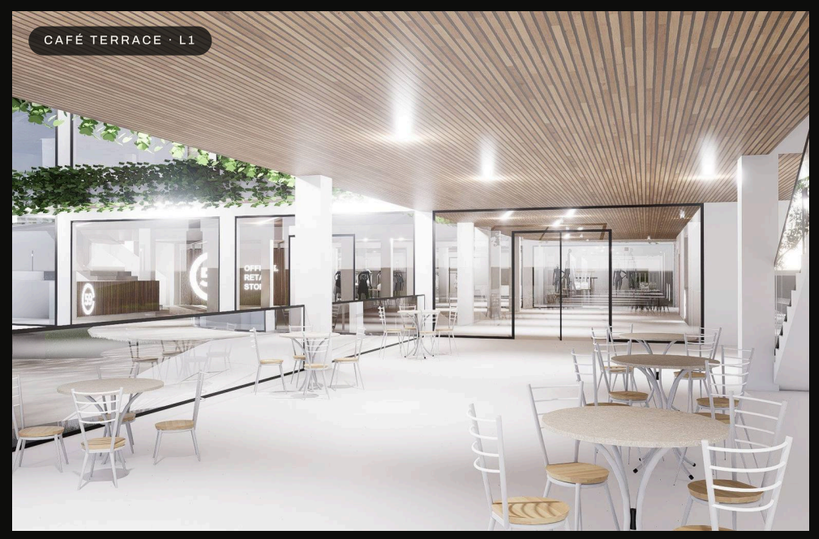

UPPER-FLOOR CORRIDOR

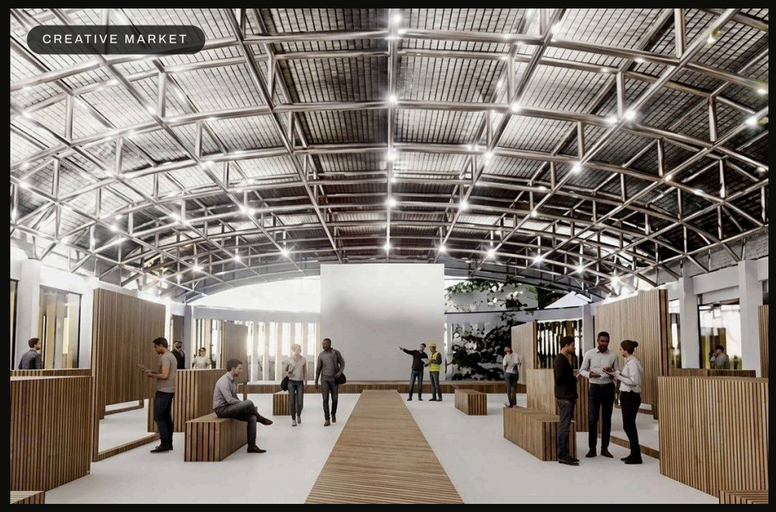

NORTH LOBBY
NORTH LOBBY

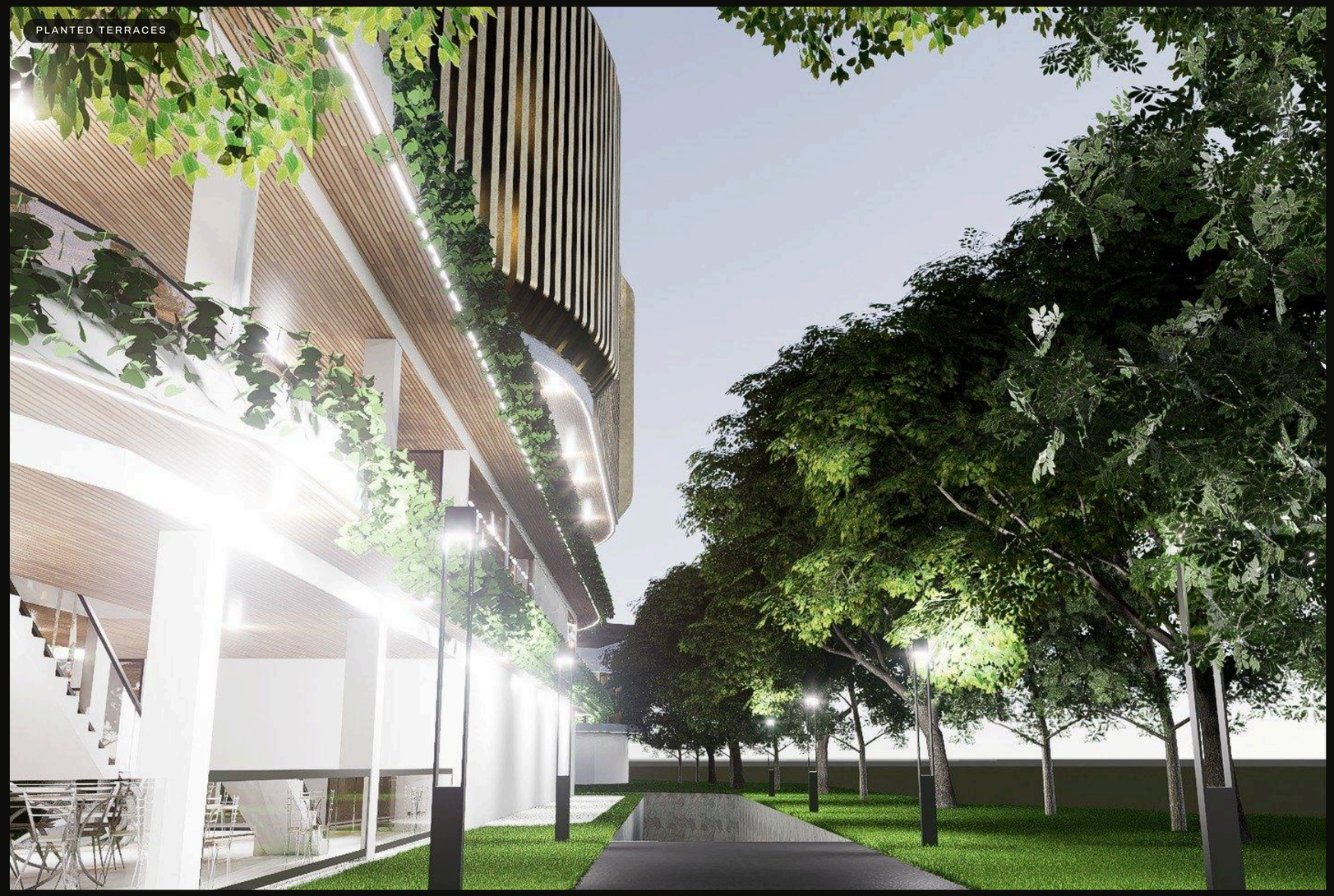

MUSEUM · L4

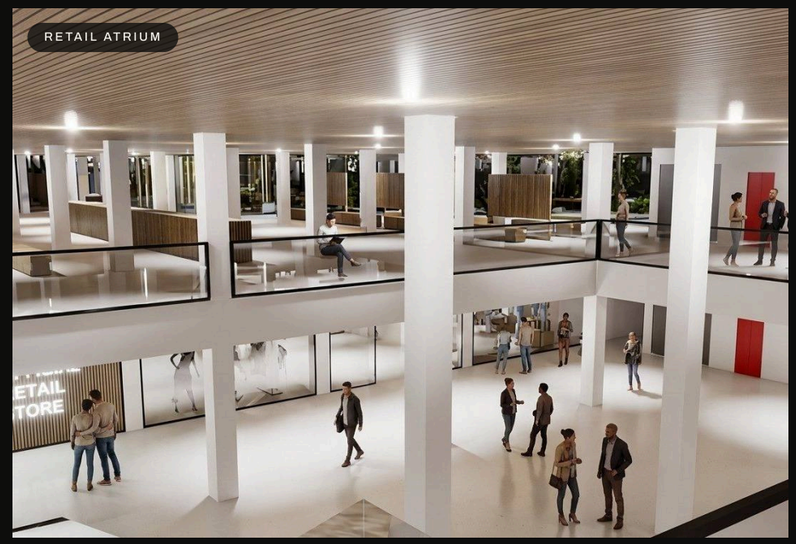

MULTI-PURPOSE HALL · L6


SEWING WORKSHOP · L3

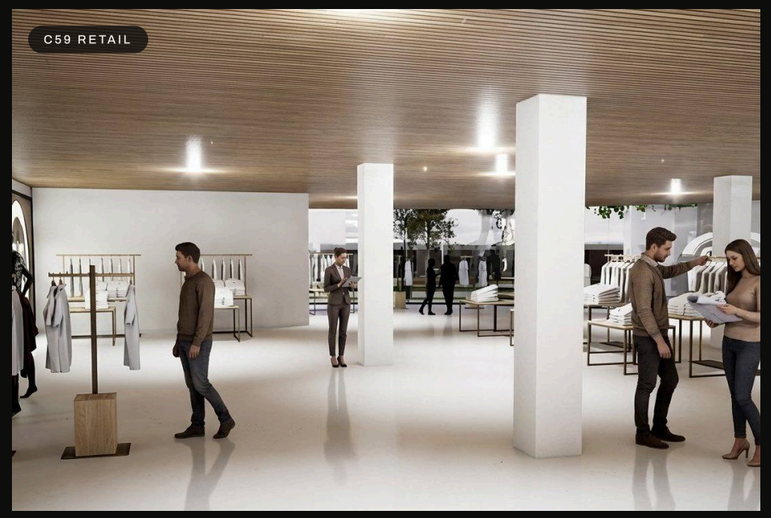

CAFÉ TERRACE · L1

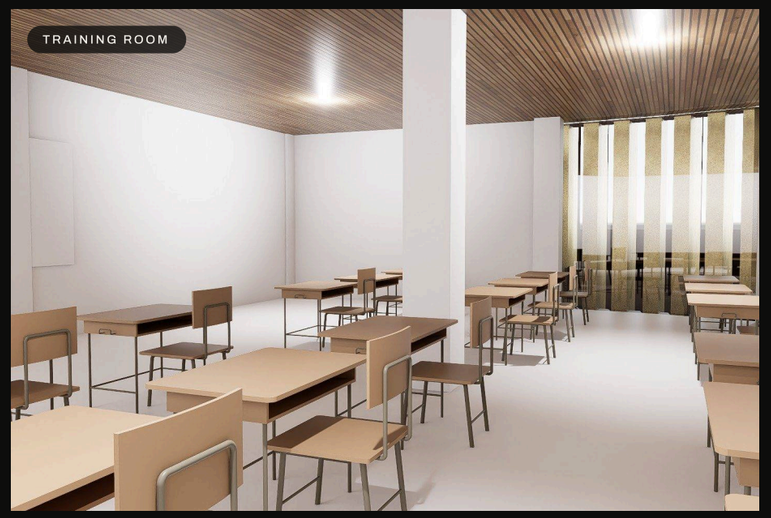

CREATIVE MARKET


PLANTED TERRACES


RETAIL ATRIUM


CURVED CLASSROOM WING


C59 RETAIL


TRAINING ROOM


NIGHT AERIAL

DIGITAL PRACTICE · BIM

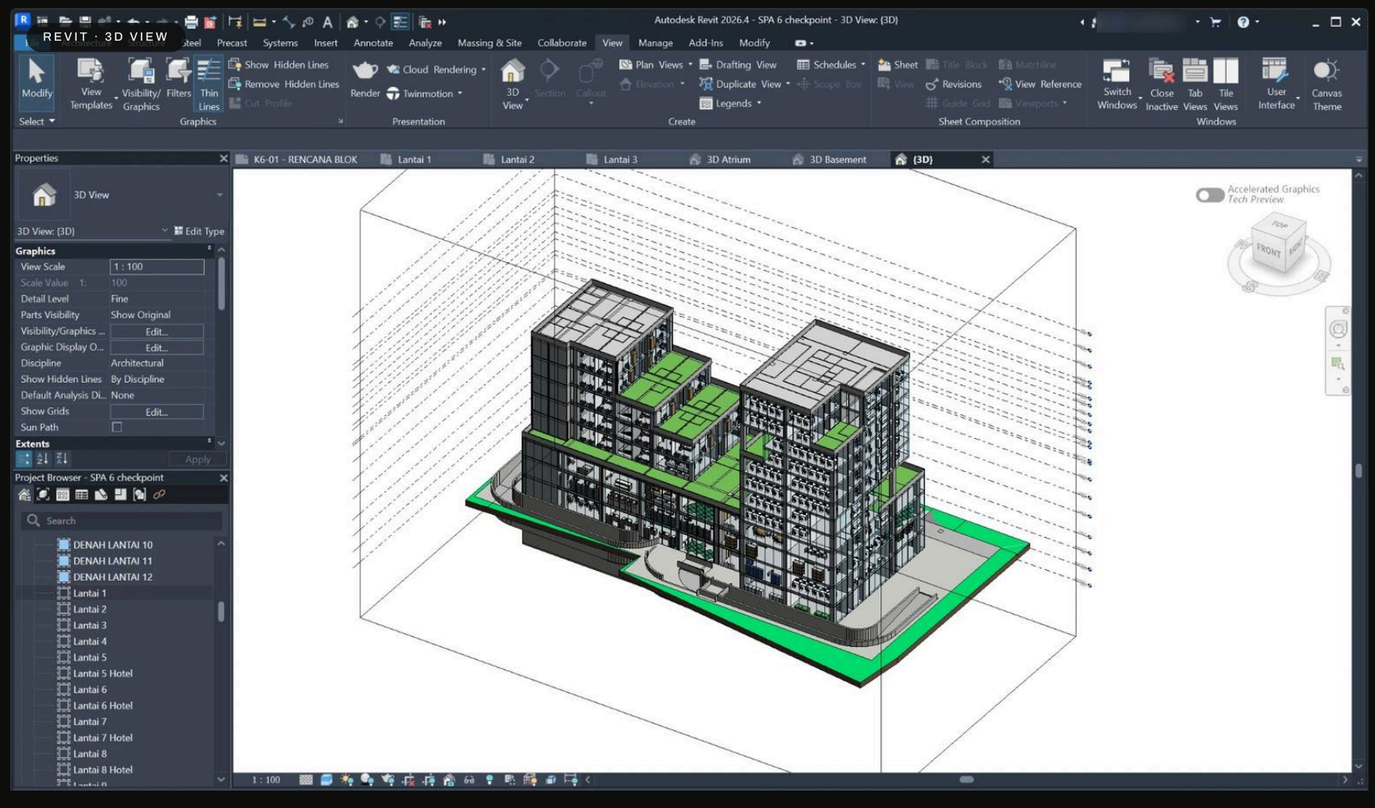
A building, modelled in Revit

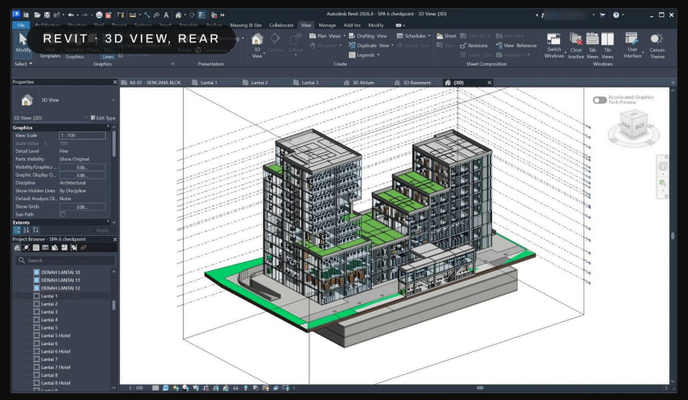
Revit 2026 · Design Studio 6 · multi-storey mixed-use with hotel floors

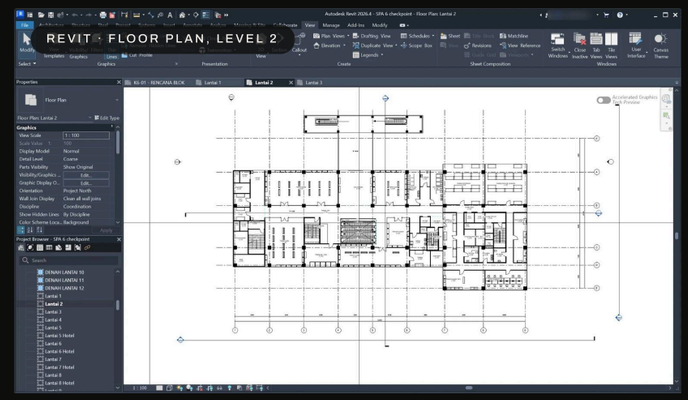
The full building is modelled as a single Revit project rather than drawn: levels for every storey, a structural grid (1–9, A–E), walls, floors, stairs, lifts, ramps and furniture, with plans, 3D views of the atrium and basement, and block-plan sheets generated from the same model.

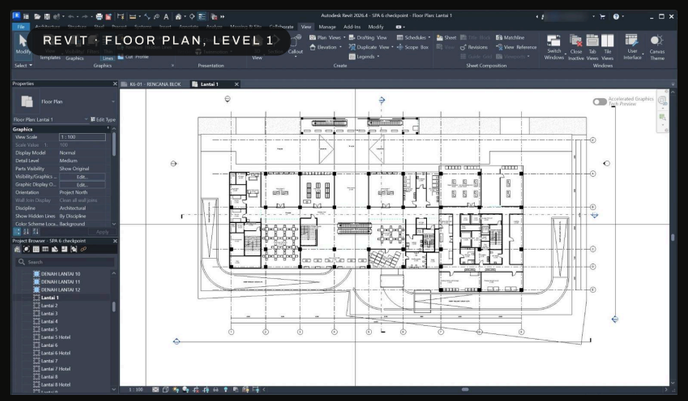
Because plans, sections and 3D views come from one model, a change in one place updates everywhere. That is the habit I bring to a BIM team: model once, document from the model.

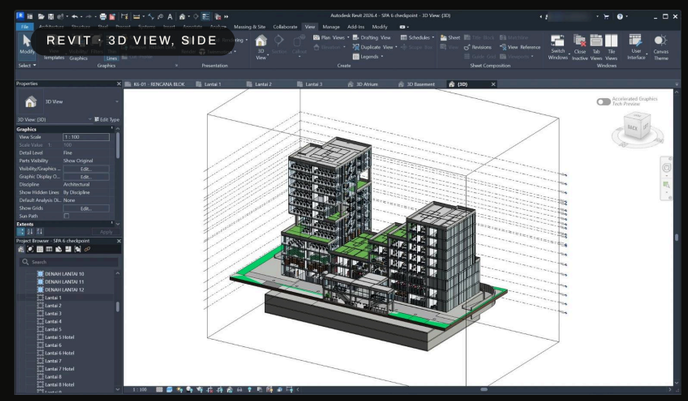
SOFTWARE	Autodesk Revit 2026
MODEL	Levels, grid, walls, floors, stairs, lifts, ramps, furniture
VIEWS	Floor plans per level · 3D atrium · 3D basement · block plan
CONTEXT	Design Studio 6, UNPAR











DIGITAL PRACTICE · BIM

Clash detection in Autodesk Construction Cloud

Model coordination · same Studio 6 model

The Revit model is published to Autodesk Construction Cloud and checked in Model Coordination. I set up a clash test between two selection sets (3 and 23 element groups) at zero tolerance and grouped the results by object, so each wall, floor or element can be reviewed and marked as an issue or not an issue.

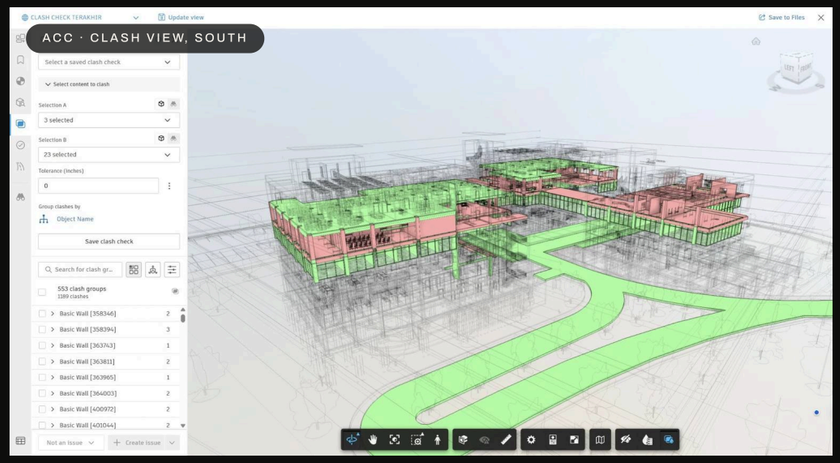
The test returned 1,189 clashes in 553 groups. Reviewing them by element, rather than one by one, is how coordination stays manageable on a model this size.

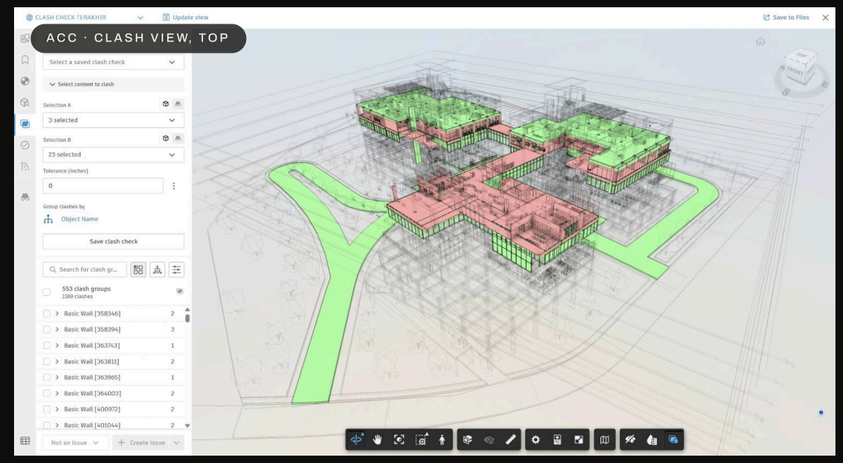
1,189

CLASHES DETECTED · 553 GROUPS

PLATFORM	Autodesk Construction Cloud · Model Coordination
TEST	Selection A (3) × Selection B (23) · tolerance 0
WORKFLOW	Publish → clash test → group by object → review / create issue







DIGITAL PRACTICE

BIM · Sustainability · AI

I treat software as part of the design method, not just a way to present. My workflow runs from survey to delivery, and every stage has a tool and a check.

1

Survey & brief

Site measuring · client discussion

AutoCAD

2

Concept & massing

Zoning, climate response, form

SketchUp · Rhino + Grasshopper · Forma

3

BIM model

Plans, sections, schedules

Revit · ArchiCAD · AutoCAD

4

Coordination

Clash checking · reporting

Autodesk Construction Cloud

5

Performance

Green-building compliance

EDGE

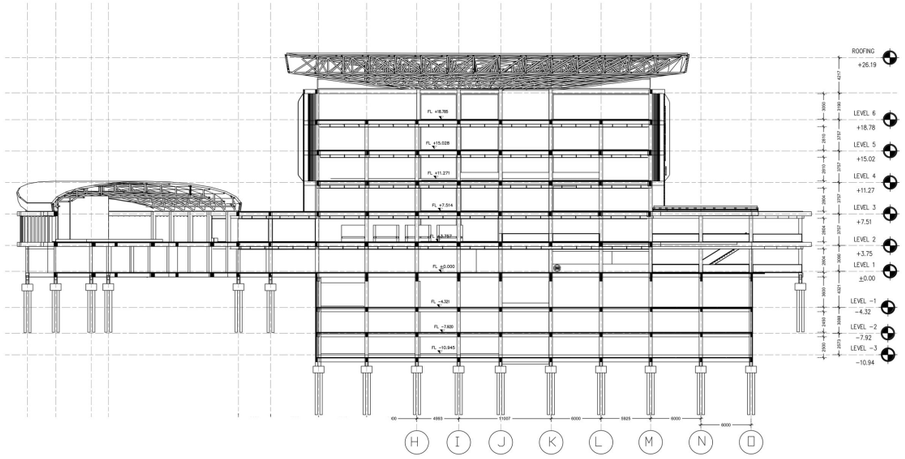
6

Visualise & automate

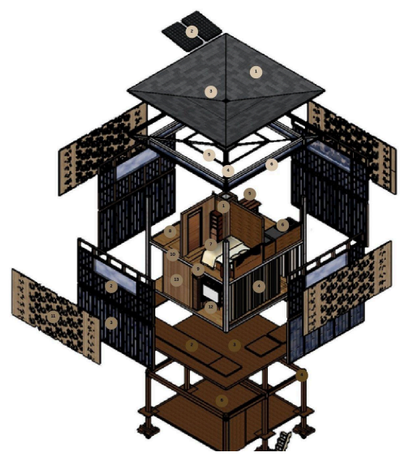
Stills, video, AI rendering & tools

D5 · Enscape · Adobe · AI rendering · Claude Code

10 · SECTION A–A, DOCUMENTATION



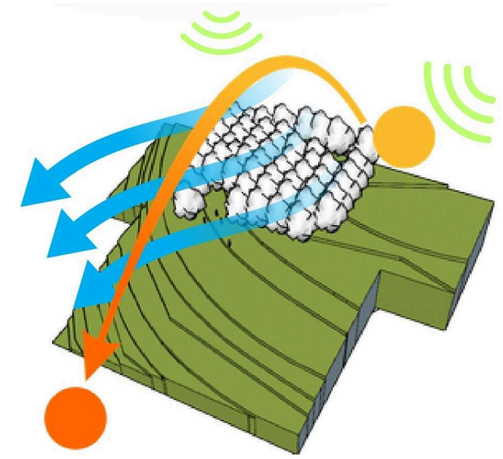
08 · EXPLODED AXONOMETRIC



10 · CLIMATE RESPONSE



09 · SUN, WIND & NOISE



BIM & coordination

Full-building modelling and documentation in Revit (see the BIM pages) and ArchiCAD. Clash checking, scheduling and reporting in Autodesk Construction Cloud. Early massing and site studies in Autodesk Forma.

Sustainability

Green-building compliance checking with EDGE. Passive strategies, including orientation, cross-ventilation, secondary skins, rainwater harvesting and solar, run through projects 05, 08, 09 and 10.

Computational & AI

Parametric exploration in Rhino 8 + Grasshopper. AI rendering on top of D5 to develop atmosphere across design options (project 02). AI integrations and workflow automation with Claude Code, plus coding, UI/UX and web design (Figma) for custom digital tools.

Let’s build something.

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