

PORTFOLIO

ATBR3306 ARCHITECTURAL DESIGN STUDIO III

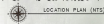
CHUNG JUN KIT

19WVD02503

ASSIGNMENT 1

INSTALLATION ART

An aerial photograph of a city grid, likely New York City, showing a series of rectangular blocks. A red arrow points to a specific intersection in the center of the image.



PRECEDENT STUDIES

EDEN

PAMELA TAN



"EDEN" BLURS THE BOUNDARIES BETWEEN MAN-MADE MONDOOS AND THE BEAUTY OF NATURE. IT IS LOCATED AT GROUND FLOOR, GALLERY, 163 RETAIL PARK, MOUNT KERRIA, KOWLOON, HONG KONG. "EDEN" IS A CELEBRATION OF NATURAL ELEMENTS, MERGING THE LUSH GREENERY OF THE EXISTING SITE WITH LANDSCAPE REFERENCE FROM MYTHICAL STORY OF "GARDEN OF EDEN".

CONSTRUCTION METHODS AND MATERIALS



POLYMER CLAY ARE USED AS THE MATERIALS. IT IS MADE FROM PVC, WHICH ARE TYPES OF PLASTICS. TYPICALLY RECYCLED FOR CONSUMER USE. MELTING AND MERGING TOGETHER ELEMENTS BECOMING A SINGLE GROWING STRUCTURE.



THE PASSAGEWAY SITES FORM 30 HANGING "WINDS" ABOVE ARCHES, BRISTLING STALACTITES IN A CAVE WITH GLASS SPHERES DELICATELY PERCHED ON THE CUSP OF THE HANGING WINDS.

PRINCIPLES



REPETITION
SIMPLE FORM OF ELEMENTS WERE USED AS THE PATTERN TO FORM COMPLEXION OF MOVEMENT BY VISUAL INTERLOCKING USED FOR THE WHOLE STRUCTURE OF THE ART INSTALLATION.



BILATERAL SYMMETRY
THE BALANCED ARRANGEMENT OF SIMILAR OR EQUIVALENT ELEMENTS ON OPPOSITE SIDE OF THE MEDIUM ADD TO CREATE SEPARATION BETWEEN SPACES SUCH AS USING THE VICTORIAN ERA ARCH TO CREATE PASSAGEWAY ON THE EDEN.



VISION IN MOTION

PATRICK SHEARN



VISION IN MOTION IS CREATED AS PART OF BERLIN'S OFFICIAL WIND-LOVE FESTIVAL AT THE BERLINER GATE, WHERE THE FORMER WALL DIVIDED THE CITY. THE ARTWORK'S RECTANGULAR SHAPE CONSIDERS THE FORM OF THE WALL INSTEAD OF HEAVY, THE FORM TAKES FLIGHT. THE ARTWORK INTENDS TO BE A SYMBOL FOR PEACE AND THE UNITED POWER OF THE PEOPLE OVERCOMING INJUSTICE. HANGING AVAILABLE WIND, THE ARTWORK WILL DESIGNATE A SENSITIVE, IMMERSIVE DISPLAY.

CONSTRUCTION METHODS AND MATERIALS



THE INSTALLATION IS COMPOSED OF APPROX 8000 LINEAR FT. OF ROPE, OVER 1200 HAND-TIED TEXTURAL KNOTS AND APPROX 130,000 BRASS NIVEL AND REFLECTIVE FABRIC STREAMERS. MOST OF THEM HAND-CRAFTED. RESIDUES COLLECTED FROM THE WORLD COMMUNITY.



THE ART INSTALLATION WERE HANG UP ABOVE GROUND WITH ROPE TIE OR TEMPORARILY SUPPORTED STEEL COLUMNS.



PRINCIPLES



FLUIDITY
COMBINATION OF LIGHTWEIGHT FABRIC STREAMERS TO CREATE A MOVEMENT OF ART INSTALLATION WHICH PRODUCE CURVILINEAR AND FLOWY EFFECTS.



REPETITION
REPEATING OF SINGLE ELEMENTS, PATTERN, STRUCTURE OR FORM. REPETITIVE PATTERNS OF HANGING FABRIC STREAMERS WERE HANG TO CREATE REPETITION.

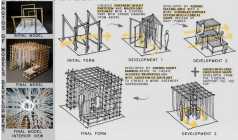


DESIGN INTENTION



THE DESIGN INTENTION IS TO BRING IN THE BEAUTY AND NATURE INTO THE INTERIOR SPACE, RECONNECTING THE PEOPLE WITH THE NATURAL ENVIRONMENT THROUGH THE ART INSTALLATION THROUGH FEELING, SOUND, SCENT OF THE NATURE BY INTERACTING WITH IT. THE ART INSTALLATION IS INTEND TO DESIGN WITH MULTIPURPOSE USE . IT'S NOT JUST ART INSTALLATION THAT CAN ONLY BE USE TO SEE, BUT TO BE ABLE TO EXPERIENCE, SIT, CLIMB, WALK THROUGH. THE PEOPLE GET TO INTERACT WITH THE ART INSTALLATION BY INVOLVING THEMSELVES TO ENJOY PLAYFULNESS INSIDE IT.

DESIGN DEVELOPMENT



PRINCIPLES



SUBTRACTIVE



REPETITION



GRID FORM



MODULAR



THE ART INSTALLATION IS THE SPOT WHERE IT CONNECTS PEOPLE AND PEOPLE, PEOPLE AND NATURE, PEOPLE AND ACT WHERE IT CREATES AN INTERACTIVE, PLAYFUL AND SERENE SPACE

PERSPECTIVE VIEW 2

3000

3000



FRONT VIEW

SCALE 1:20

3000

3000



REAR VIEW

SCALE 1:20

3000

3000



LEFT VIEW

SCALE 1:20

3000

3000



RIGHT VIEW

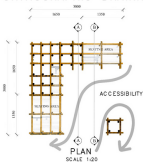
SCALE 1:20



THE ART INSTALLATION
 WITH FINELY
 WEAVERED WITH BARK
 TEXTURE AND COLORED
 BRACE, LESS VISUAL
 IMPACT WHICH BLEND
 PERFECTLY WITH THE
 SURROUNDING
 ENVIRONMENT AND
 CREATE A WILD AND
 VIBRANT SUBSTANCES

PERSPECTIVE VIEW 3

ORTHOGRAPHIC DRAWINGS



CONSTRUCTION DETAILS



SQUARE LASHING
(BY USING POLYESTER STRING)



NORMAL KNOT
(BY USING COTTON STRING)



NORMAL KNOT
(BY USING COTTON STRING)

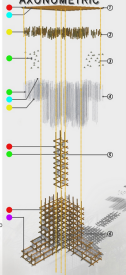


CLOVE HITCH
(BY USING COTTON STRING)



NORMAL KNOT
(TIE EACH SIDE OF THE BAMBOO
BY USING POLYESTER STRING)

EXPLODED AXONOMETRIC



MATERIALS



BAMBOO



COTTON STRING



POLYESTER STRING



TILLANDSIA AIR PLANT

LEGEND

- 1 - TOP (BAM)
- 2 - HANGING BAMBOO STICK
- 3 - AIR PLANT (CHILLED AIR)
- 4 - COTTON STRING
- 5 - POLYESTER STRING



PERSPECTIVE VIEW 4

PROJECT 1 ART INSTALLATION THE CONNECTION

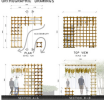
THE CONNECTION IS AN ART INSTALLATION THAT EXPLORES THE RELATIONSHIP BETWEEN NATURE AND URBAN SPACE. IT IS A SCULPTURAL STRUCTURE THAT IS BOTH A SEATING AREA AND A PLACE FOR REFLECTION. THE INSTALLATION IS MADE OF WOOD AND METAL, AND IT IS SITUATED IN A PUBLIC SPACE IN THE CITY OF LONDON.



THE INSTALLATION IS SITUATED IN A PUBLIC SPACE IN THE CITY OF LONDON, NEAR THE RIVER THAMES. IT IS A SCULPTURAL STRUCTURE THAT IS BOTH A SEATING AREA AND A PLACE FOR REFLECTION. THE INSTALLATION IS MADE OF WOOD AND METAL, AND IT IS SITUATED IN A PUBLIC SPACE IN THE CITY OF LONDON.



Orthographic Graphics



PRECEDENT STUDIES EDEN



VISION IN MOTION



DESIGN INTENTION



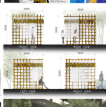
THE DESIGN INTENTION IS TO CREATE A SPACE THAT IS BOTH A SEATING AREA AND A PLACE FOR REFLECTION. THE INSTALLATION IS MADE OF WOOD AND METAL, AND IT IS SITUATED IN A PUBLIC SPACE IN THE CITY OF LONDON.



DESIGN DEVELOPMENT



PRINCIPLES



Orthographic Details



EXPLORE APPROACHES

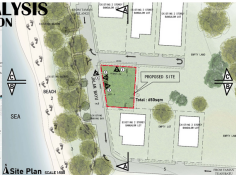


ASSIGNMENT 2

STAGE I: SITE ANALYSIS

SITE ANALYSIS

PORT DICKSON



NEGERI SEMBILAN (MACRO SITE)

One of the state in **Malaysia** which lies on the **western coast of Peninsular Malaysia**. It borders Selangor on the north. The name is derived from the **ancient (Semang) villages** in the Minangkabau language known as first settled by the **Minangkabau**, a people originally from West Sumatra. Minangkabau features are still visible today in traditional architecture and the dialect of Malay spoken.

PORT DICKSON (MICRO SITE)

Port Dickson is a **coastal town and a popular beach resort destination** at Negeri Sembilan, where it is located about 10km south from Kuala Lumpur. It is one of the most important city in Negeri Sembilan, started out as a small town named **Akong** meaning at end in Malay in 1880. Port Dickson plays a major role in **tourism**. It acts as a **busy trading center** and a **home to many army camps to Malaysian army**. After the British discovered the potential as a seaside recreational destination, it eventually brings in **over 20 million of tourists to visit yearly**.



started as a **small Malay village** inhabited by **Indonesian and traders**. Before development, the place is known as **(Akong)** among local Malays.

18th century
The first main plan of the **Lake**, an area within Port Dickson district and it attracted **Chinese immigrant miners**. The British considered the area to have great potential as a **location for traders**.

1880
A **port** was established to **transport tin** ore from **Sungai Ujong** (Cheremban) to **Klang**.

1890
A **10km railway station** was proposed to link **Sungai Ujong** and **Sungai Ujong**. The plan was to transport various goods from the port to **Sungai Ujong** by train.

19th century
The name **Port Dickson** is **named after the British High Officer Sir John Frederick Dickson**.

1933
During **strong economic recession**, it has become a **major center for the company**.

1940s
The **British** were coming up with the **beaches**. Over time all **beaches** and **beaches** were **opening**.

PRESENT
Now, Port Dickson is a **major beach resort** as a **tourist gateway** destination for **both local and international tourists**.

SUN ORIENTATION



The sun rises and sets from the east and west which is at the front and rear part of the site where it receives more sunlight.

TEMPERATURE & PRECIPITATION



Average temperature in Port Dickson between 2015-2020 is 27.5°C, which is on the higher side.

Most rainfall falls in October to December.

WIND DIRECTION



The Monsoon creates steady strong wind from December to March and calm wind from June to October. Wind comes from different directions providing ventilation to the site.

SHADOW PATTERN



The site is shaded by shadows of trees after 3 PM as the sun is high enough, thus provide shading to the site and making the site cool in the late afternoon.

HIGH & LOW TIDES



The tidal range is around 4.15 hours. The distance between the site and high and low tide are approximately 400m and 700m.

SENSORY SIGHT



Good views to the sea and views to greenery at rear part from the site.
- Tall trees (like palm) at the rear of the site provides good shading and can help to reduce strong direct sun wind towards the site.

SMELL



- Good smell carried by the sea breeze.
- Good greenery adjacent street at the rear of the site.

SOUND



Water sound
- Strong sounds of birds and insects from the greenery area behind the site.
- Water of waves and boats from the site.
- Frequent sound of air force plane flying.

TOUCH



- The texture of sand when walking along the beach.
- Good waves sea breeze strokes the site cooler.

Strength

- PEACEFUL AND QUIET ENVIRONMENT**
- site peaceful and quiet surrounding which provides a comfortable surrounding to visit.
- SEA VIEWS**
- sea views in front of the site will be better view to nature along street and within the site.
- WINDY AREA**
- site has land breeze and sea breeze which provides air circulation and ventilation to the site.
- GOOD VIEWS**
- facing good views from the site.
- EASY ACCESS TO NEIGHBOUR**
- easy to access roads such as street, public station, restaurant.

Weakness

- POOR SECURITY**
- Poor security in place without security guard.
- NOISE FROM AIR FORCE PLANE**
- Frequent sound of air force plane flying which causes sound pollution.
- HIGH HUMIDITY**
- High humidity constant to be around at the site.
- SEA SALT CORROSION**
- Sea salt corrosion could happen which lead to high maintenance cost.

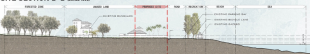
Opportunity

- FLAT SURFACE LAND**
- The surface land which is suitable place to build a retreat house with good and peaceful surrounding.

Threat

- MODERATE RAINFALL**
- Drowning of mosquitoes could happen.

SITE SECTION B-B (SCALE 1:500)



Socio cultural Conditions

Port Dickson is a town with **100,000 population**, with 700 Malay, 100 others which are foreigners from countries such as Bangladesh and Indonesia who are currently working and studying in Port Dickson, 400 Chinese and 50 Indians. The type of jobs that Port Dickson **do including food & beverage staff, cleaners, equipment for beachwear, military uniforms, fishermen**. There were also many retired soldiers that are already pension either stay at home or work for the local shop-ops.



Traditional Malay Marlin Net Performance
King Curry Chicken Bar
Noni Pear (Neri) Firework Show
Religious Celebration



Human Activities



Fishing



Camping



Picnic



Religious Activities



An Tian Keng Temple
100 years old



Sarang Al-Shariyah
100 years old



True Jesus Church
Olive Garden
100 years old



Amman Hindu Temple
100 years old



Swimming



Watersports



Waterpark activities

Events and celebrations



Fishing competition



Beach Clean Up



Beach Carnival



Port Dickson International Triathlon



Rumah, looking through the traditional house



The Grand Beach Resort



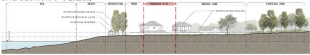
Jeti Perampangan Port Dickson



Arjuna Balara, Bangsalan

The site surrounding is more influenced by vernacular architecture, it should be taken into consideration and into our design implication in terms of the **real structure shape and form** and also **materials used** which brings out the cultural value that brought the identities and symbolism of Port Dickson, of Negeri Sembilan.

SITE SECTION C-C (SCALE 1:1000)



SITE ANALYSIS PHET DICKSON



NEIGHBORHOOD (MACRO SITE)
The site is located in the heart of the city, surrounded by a mix of residential, commercial, and public spaces. The area is characterized by a mix of old and new buildings, and a mix of people from different backgrounds and ages.

PHET DICKSON (MICO SITE)
The site is a small, rectangular plot of land, located in the heart of the city. It is surrounded by a mix of residential, commercial, and public spaces. The site is currently vacant, and the owner is looking for a new owner to develop the site.



SEASON
The site is located in a temperate climate, with mild winters and warm summers. The site is surrounded by a mix of residential, commercial, and public spaces. The site is currently vacant, and the owner is looking for a new owner to develop the site.

SOIL
The site is located on a mix of soil types, including sand, silt, and clay. The site is surrounded by a mix of residential, commercial, and public spaces. The site is currently vacant, and the owner is looking for a new owner to develop the site.

WATER
The site is located near a body of water, which is a major source of water for the city. The site is surrounded by a mix of residential, commercial, and public spaces. The site is currently vacant, and the owner is looking for a new owner to develop the site.

WIND
The site is located in a wind corridor, which is a major source of wind for the city. The site is surrounded by a mix of residential, commercial, and public spaces. The site is currently vacant, and the owner is looking for a new owner to develop the site.

QUALITY
The site is located in a high-quality area, which is a major source of quality for the city. The site is surrounded by a mix of residential, commercial, and public spaces. The site is currently vacant, and the owner is looking for a new owner to develop the site.

TIME
The site is located in a high-time area, which is a major source of time for the city. The site is surrounded by a mix of residential, commercial, and public spaces. The site is currently vacant, and the owner is looking for a new owner to develop the site.



Neighborhood Conditions



ASSIGNMENT 2

STAGE II: PRECEDENT STUDY



THE SITE IS LOCATED IN A NATURAL ENVIRONMENT, AT THE BASE OF WILLIAMSPOUGH LAKE, IN THE SOUTH OF CHILI. THE AREA IS CHARACTERIZED BY ITS NATURAL LANDSCAPE, LUSH VEGETATION AND COLO-SUNNY WEATHER. IT'S SITED IN THE SOUTH OF A FOREST SLAND TO ADAPTATION THE CLIMATE AND INTERFERE AS LITTLE AS POSSIBLE THE NATURAL ENVIRONMENT. THE DRIVE AND THE PARKING AREAL ARE PROPOSED AT THE SOUTH OF THE HOUSE, LEAVING THE NORTH AREA AS THE MAIN RECREATION SPACE.

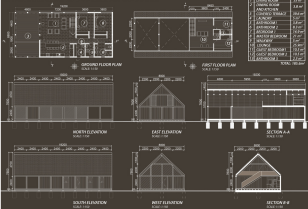
DESIGN FEATURES



Summary of results: Group 1 (N=14) had a mean anxiety score of 1.5 (SD=0.5) and a mean depression score of 1.0 (SD=0.5). Group 2 (N=14) had a mean anxiety score of 1.5 (SD=0.5) and a mean depression score of 1.0 (SD=0.5).

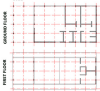


ORTHOGRAPHIC DRAWING



DESIGN ANALYSIS

CFD



TRAINING



HIGHLIGHT IN SPACE



CONCLUSION



VENTILATION



NATURAL LIGHTING



CONSTRUCTION MATERIALS



① TREATED TIMBER
(STRUCTURE)



② CONCRETE (FLOOR SLAB)



③ GLAZED GLASS WINDOW
WITH ALUMINUM FRAME

CONSTRUCTION METHODS



HEAT-TREATED PINE PANELS
FOR IMPROVING WOOD PROPERTIES



ROOF WITH ANDONIAN LARCH
TILES



THE ROOF IN THE PILLAR IS LONG **HIGH PITCH ROOF** WITH **SCAFFOLD BEAM** AND **BEAM BEAM** AND ALSO THE **VERTICAL FRAME COLLARS** AND **BEAMS** AS THE SUPPORT OF THE WHOLE ROOF STRUCTURE.

CONSTRUCTION DETAIL



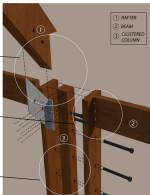
AFTER COLUMN'S DETAIL



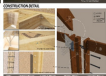
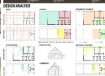
BEAM TO COLUMN'S DETAIL



CORNERED COLUMN'S DETAIL



- ① AFTER
- ② BEAM
- ③ CORNERED COLUMN



ASSIGNMENT 2

STAGE II: CONCEPTAL DESIGN
PROPOSAL



GAHARA

A TYPICAL MALAYSIAN "KAMPUNG" HOUSE DESIGN WAS INSPIRED BY THE SPILAH (TRADITIONAL) OF A STILET ROOFTOP. THIS METHOD SERVES AS A PERFECT LOCATION WHERE YOU WILL BE GREETED BY THE BEAUTIFUL VIEW OF THE SEA. ALSO, THE OUTSIDE ROOMS PROVIDES A PEACEFUL ENVIRONMENT TO RELAX AND REWIND "GAHARA" WHICH TAKEN FROM THE CLIENTS STUDIO NAME, MEANING PLATFORM OF ARTISAN VILLAGE AND ALSO CAN BE DESCRIBED AS A PEACEFUL AMBIENT WITH NATURE. THIS PLACE IS NATURALLY A PERFECT GETAWAY.



CLIENT INFORMATION



NAME: NUR FAZD NIK AMIN
OCUPATION: FOUNDER AND CREATIVE DIRECTOR OF GAHARA
EDUCATION: UTM CHAGLER IN BUSINESS ADMINISTRATION UNIVERSITY ISLAM ANTRABANGSA MALAYSIA (5 YEARS AS ARCHITECT STUDENT)

DESIGN INTENTION

CHANDER AND TRADITIONAL



inspired by the natural elements, traditional
 it is intended to be a modern house with a traditional touch
 an intention to use of "TRADITIONAL" style in a modern, modern house with a traditional touch



1. NATURAL PLANTS



inspired by the natural elements, traditional house with a modern touch, inspired by the natural elements, traditional house with a modern touch

2. COLOUR (NATURAL)



inspired by the natural elements, traditional house with a modern touch, inspired by the natural elements, traditional house with a modern touch

ARTWORK (BATIKO)



PATTERN: THE REPETITIVE AND SYMMETRY PATTERN FROM NATURE AND COMBINATION OF MODERN AND TRADITIONAL ART.
TEXTURE: THE TEXTURE FROM THE "BATIKO" ALLOWS TO GIVE REPETITIVE SHAPE ON THE FABRIC.
COLOR: THE NATURAL, MINIMALISTIC COLOR GIVING CONTRAST ON THE FABRIC.

DESIGN DEVELOPMENT

CONCEPT



"The concept of the design is to be a modern house with a traditional touch"

CONCEPT



"The concept of the design is to be a modern house with a traditional touch"

CONCEPT



"The concept of the design is to be a modern house with a traditional touch"



"The concept of the design is to be a modern house with a traditional touch"



"The concept of the design is to be a modern house with a traditional touch"



"The concept of the design is to be a modern house with a traditional touch"

CHARACTER



"WE LIKE TO BE APART WITH NATURE"
 "WE LIKE TO SPEND TIME TO DRAW AND SEARCH FOR INSPIRATION"

REQUIREMENTS

- VENTILATOR AND MINIMALIST
- FISH POND
- INDOOR PLANTS
- BIG OPENINGS
- COURTYARD



"The concept of the design is to be a modern house with a traditional touch"



"The concept of the design is to be a modern house with a traditional touch"



"The concept of the design is to be a modern house with a traditional touch"



JALAN BATU 2



Building 1 Single
Bedroom 10

Building 2 Single
Bedroom 10



SITE PLAN
Scale 1:500

Building 1 Single
Bedroom 10

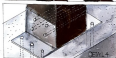
GROUND FLOOR	
Area	Unit
Building 1	10.00
Building 2	10.00
Building 3	10.00
Building 4	10.00
Building 5	10.00
Building 6	10.00
Building 7	10.00
Building 8	10.00
Building 9	10.00
Building 10	10.00
Building 11	10.00
Building 12	10.00
Building 13	10.00
Building 14	10.00
Building 15	10.00
Building 16	10.00
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Building 89	10.00
Building 90	10.00
Building 91	10.00
Building 92	10.00
Building 93	10.00
Building 94	10.00
Building 95	10.00
Building 96	10.00
Building 97	10.00
Building 98	10.00
Building 99	10.00
Building 100	10.00

TOTAL AREA 20.000



FIRST FLOOR PLAN
Scale 1:500

GROUND FLOOR PLAN
Scale 1:500



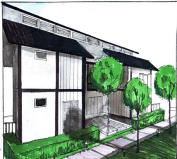
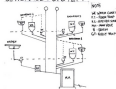
COLD WATER SUPPLY



CONJUNCTIONS: PHRASES, LAYERS

DISCHARGE PIPE (CONNECT ROOM MAIN PIPE AND
WATER TANK) EXTENDING TO BACK, DOWNED,
NOT REPAIRABLE

SEWERAGE SYSTEM



INTERIOR PERSPECTIVE VIEW



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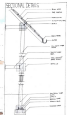
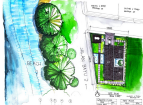
Abstract



Figure 1 consists of two bar charts. The left chart, titled 'All respondents', shows the following approximate percentages: Strongly agree (45%), Somewhat agree (35%), Somewhat disagree (15%), and Strongly disagree (5%). The right chart, titled 'Respondents who have been to a protest in the last 12 months', shows the following approximate percentages: Strongly agree (55%), Somewhat agree (30%), Somewhat disagree (10%), and Strongly disagree (5%).



DEVELOPMENT



ASSIGNMENT 2

STAGE 3: FINAL DESIGN
PROPOSAL



GAHARA

PROJECT 2: THE RETREAT STUDIO

ATER 2206 ARCHITECTURAL DESIGN STUDIO (B)

CHENG JUN KIT (19970602002)



INTRODUCTION

"GAHARA" IS A TYPICAL MALAYSIAN "KAMPUNG" HOUSE WITH THE COMBINATION OF MODERN HOUSE DESIGN WAS INSPIRED BY THE SIMILAR CHARACTERISTICS OF A STILED ROOFTOP LOCATED AT JALAN BATU 3, TAMAN PORT DICKSON. THIS RETREAT SERVES AS A PERFECT LOCATION ORIENTED BY THE BEAUTIFUL VIEW OF THE SEA ALSO, THE OUTSKIRT LOCATION PROVIDES A PEACEFUL ENVIRONMENT

KEY PLAN (1/75)



LOCATION PLAN (1/75)



CLIENT INFORMATION



NAME : NIK FIEZ RIE AMIN
OCCUPATION : FOUNDER AND CREATIVE DIRECTOR OF GAHARA (DATE DESIGNED)
EDUCATION : UTM (MASTER IN BUSINESS ADMINISTRATION)
5 YEARS OF AS ARCHITECTURE STUDENT



CHARACTER: - LIKE TO BE WITH NATURE
- LIKE TO SPEND TO DRAW AND SEARCH FOR INSPIRATION
- LIKE TO BE SURROUNDED BY NATURE

DESIGN CONCEPT



INSPIRED BY THE MALAY AND MODERN ARCHITECTURE BY INTERGRATING THE USE OF MODERN TECHNIQUES DESIGN INTO A HISTORICAL MALAYSIAN VERNACULAR HOUSE MAKES THIS BUILDING UNIQUE AND SPECIAL

COLOUR (NATURAL)



1. 1000 BRIGHT WHITE

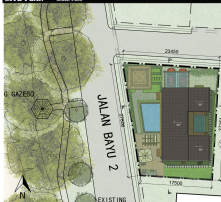
2. GREEN ACADEMY

3. EXPENSE

SITE PLAN

SCALE 1:200

SITE CONTEXT



WIND DIRECTION



SUN PATH



VIEW

CONCEPT DEVELOPMENT



SITE CONDITION

-UNDERSTAND THE SITE CONDITION



BUBBLE DIAGRAM

-ALL LIVING AREA FACING TOWARDS THE BEST VIEW
-CIRCULATION AND ZONING



SUBTRACTIVE

-HIERARCHY IN SPACE
-INCREASES VENTILATION
-CREATE A INTERNAL COURTYARD



LINEAR FORM

-INSPIRED BY THE VERMACULAR ARCHITECTURE FOR GOOD VENTILATION



GRID FORM

-ALL THE COLUMN IS ARRANGED IN A GRID FORM AND RISKED TO HAVE BETTER VIEW TOWARDS THE SEA



DECKING AND BALCONY

-SHADING GOOD VIEW ALLOW BREATH-taking



ROOF AND FACADE

-TAKEN FROM CHARACTERISTIC OF DATI, OVERHANG ROOF TO PREVENT DIRECT SUNLIGHT



OVERALL VIEW

CLIENT BRIEF**GROUND FLOOR PLAN** SCALE 1:200

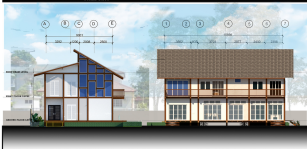
- SINGLE
- SMALL GALLERY
- 1 MASTER BEDROOM
- SMALL GALLERY
- FISH POND
- SWIMING POOL
- OPEN SPACE
- STUDIO
- INDOOR PLANTS

AREA CALCULATION

GROUND FLOOR	AREA
POYER	3.660QM
GALLERY	10.860QM
LIVING ROOM	6.450QM
DINING	9.928QM
KITCHEN	8.99 80QM
STUDIO	16.325QM
LAUNDRY	12.550QM
BATHROOM 1	5.716QM
DECKING	20.746QM

FIRST FLOOR	AREA
LOUNGE	19.355QM
BEDROOM	9.925QM
BATHROOM 2	8.965QM
MASTER ROOM	29.249QM
STUDY ROOM	18.366QM
BALCONY	15.95QM

**TOTAL AREA = 212.31
SQM**

**RIGHT ELEVATION** SCALE 1:200**FRONT ELEVATION** SCALE 1:200

FIRST FLOOR PLAN

SCALE 1:100

ZONING



PUBLIC SEMI PUBLIC PRIVATE

AREA TABULATION

NO.	GROUND FLOOR
1	FOYER
2	GALLERY
3	LIVING ROOM
4	DINING
5	KITCHEN
6	STUDIO
7	LAUNDRY
8	BATHROOM 1
9	DECKING
FIRST FLOOR	
10	LOUNGE
11	BEDROOM
12	BATHROOM 2
13	MASTER ROOM
14	STUDY ROOM
15	BALCONY
16	BATHROOM 3

REAR ELEVATION

SCALE 1:100

RIGHT ELEVATION

SCALE 1:100



SECTION A-A

SCALE 1:100



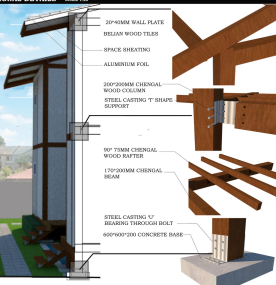
SECTION B-B

SCALE 1:100

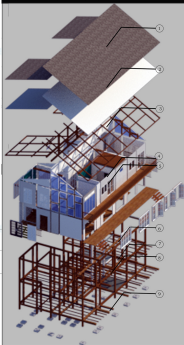


SECTIONAL DETAILS

SCALE 1:50



EXPLODED AXONOMETRIC



LEGEND

1. BELIAN ROOF TILES
2. ALUMINUM POOL
3. 75*150 KAKOROTIMBER WALL
4. ROOF STRUCTURE
5. WOODEN FRAME SLIDING DOOR
6. WOODEN BIFOLD DOOR
7. 170*200MM CHERALG BEAM
- 8.50* 75MM CHERALG WOOD RAFTER
9. 600*600*200 CONCRETE BASE

MATERIALS



BELIAN ROOF
TILES



BELIAN WOOD
FLOORING

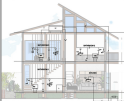


CONCRETE



BOLT AND NUT

COLD WATER SUPPLY



LEGEND

WC- WATER CLOSET
B- BATH
SH- SHOWER HEAD
FT- FLOOR TRAP
W- WATER TANK
M- WATER METER
KS- KITCHEN SINK
TR- TRAP

PIPE SIZE

— 200MM UPVC RIGID MAIN
— 100MM UPVC PIPE
CONSTRUCTION
— 100MM UPVC PIPE

SEWERAGE SYSTEM



LEGEND

WC- WATER CLOSET
B- BATH
FT- FLOOR TRAP
OT- OULLA TRAP
M- WATER METER
KS- KITCHEN SINK
MH- MANHOLE

PIPE SIZE

— 100MM UPVC PIPE
— 100MM UPVC PIPE

INTERIOR PERSPECTIVE VIEWS



*DIAGRAM SHOWS THE LOUNGE AREA LOCATED AT FIRST FLOOR



*DIAGRAM SHOWS THE LIVING ROOM



*DIAGRAM SHOWS THE STUDIO

EXTERIOR PERSPECTIVE VIEWS



*DIAGRAM SHOWS THE COURTYARD

STRUCTURAL MODEL AND MOCK UP



FINAL MODEL



