

Architecture
Design
Exhibition:
Studio 4



KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI



PORT DICKSON

**ART
COMMUNITY
CENTRE**

NORLIZA JOHAN | MAHANIM ABDULLAH SADALI | NORZALINA MD. YUSOP

Architecture Design Exhibition: **Studio 4**



KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI



ART COMMUNITY CENTRE

NORLIZA JOHAN | MAHANIM ABDULLAH SADALI | NORZALINA MD. YUSOP

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Politeknik Port Dickson.

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Art Community Centre: Architecture Design Exhibition Studio 4
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PREFACE

The Art Community Centre is a compilation of chosen Design Studio 4 (DCA40155) student's previous work designed to inspire and guide students in exploring the dynamic relationship between art, community, and architecture.

This book is made to inspire and help students understand how art, community, and architecture can come together to create amazing spaces.

The projects in this e - book showcase innovative designs that foster community and honour art. Each design focuses on important ideas like meeting user needs, respecting the culture of the area, and thinking about the environment. These are valuable lessons for any student learning about architecture.

We hope this book inspires students to think about how architecture can bring people together. Use it as a guide to conceive and create spaces that are not only functional but also inspirational to the community.

ACKNOWLEDGMENTS

All praises be to Allah, the Most Gracious and the Most Merciful, on Whom we depend for sustenance and guidance, it is because of His blessing that it is possible for us to finish this e-book. We would like to express our deepest appreciation to the fourth semester students of the Architecture Programme, Civil Engineering Department, Politeknik Port Dickson (DSB4B, Session 2 2023/2024) for their dedication and creativity in developing the design project of The Art Community Centre.

We extend our sincere appreciation to the dedicated lecturers of DCA40155 for their invaluable guidance and support in mentoring the 4th Semester students throughout their Art Community Centre design projects.

Finally, and most importantly, we dedicate this e-book to our dear students. We hope it will inspire you and help you learn more about designing community spaces, encouraging you to explore creative design solutions that address both project and programme needs.

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THE BRIEF

Studio Master 1 : Norliza binti Johan

Studio Master 2 : Mahanim binti Abdullah Sadali

Studio Master 3 : Norzalina binti Md. Yusop

Students : 4th Semester (DSB4B)

Diploma of Architecture, PPD 2024

The Art Centre is envisioned as a vibrant hub celebrating the rich multi-ethnic and multicultural diversity of the community. Designed to foster creativity, inclusivity, and community pride, it will serve as a social and creative heart, bringing together people of all ages, cultures, and backgrounds.

Students are challenged to design an Art Centre that reflects the project theme and prioritizes sustainable architectural principles. The design must showcase and justify creative concepts, address essential architectural considerations, and integrate design & environment sustainability. The building should have a total floor area of 400 square meters, a height of 2 to 3 stories, and the capacity to accommodate 20 to 30 people.

The project aims to inspire innovative and sustainable designs that reflect the essence of art and community. Students are encouraged to approach this challenge with creativity and a commitment to thoughtful architectural solutions.

THE SITE

The site located at Pantai Batu 4, Port Dickson, it is not only close to residential and commercial areas, but also famous for its scenic views of Pantai Saujana, a popular tourist destination, just within walking distance from the site. The centre will become a new attraction for the community as well as the tourists and therefore contribute to the socio-economic development of the community.





Architecture
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Studio 4



SITE
ANALYSIS

LOCATION, SIZE & ZONING, LEGAL


1 LOCATION, SIZE & ZONING, LEGAL
JALAN PANTAI BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART COMUNITY CENTRE


INTRODUCTION
Port Dickson is a beach resort destination at Negeri Sembilan in Malaysia about 90km south from Kuala Lumpur and 30km away from Seremban. Pantai Batu 4 is one of the famous places that people will visit if their come to Port Dickson. This site was designated as a parking lot before it has GBBS stall.

USER BACKGROUND

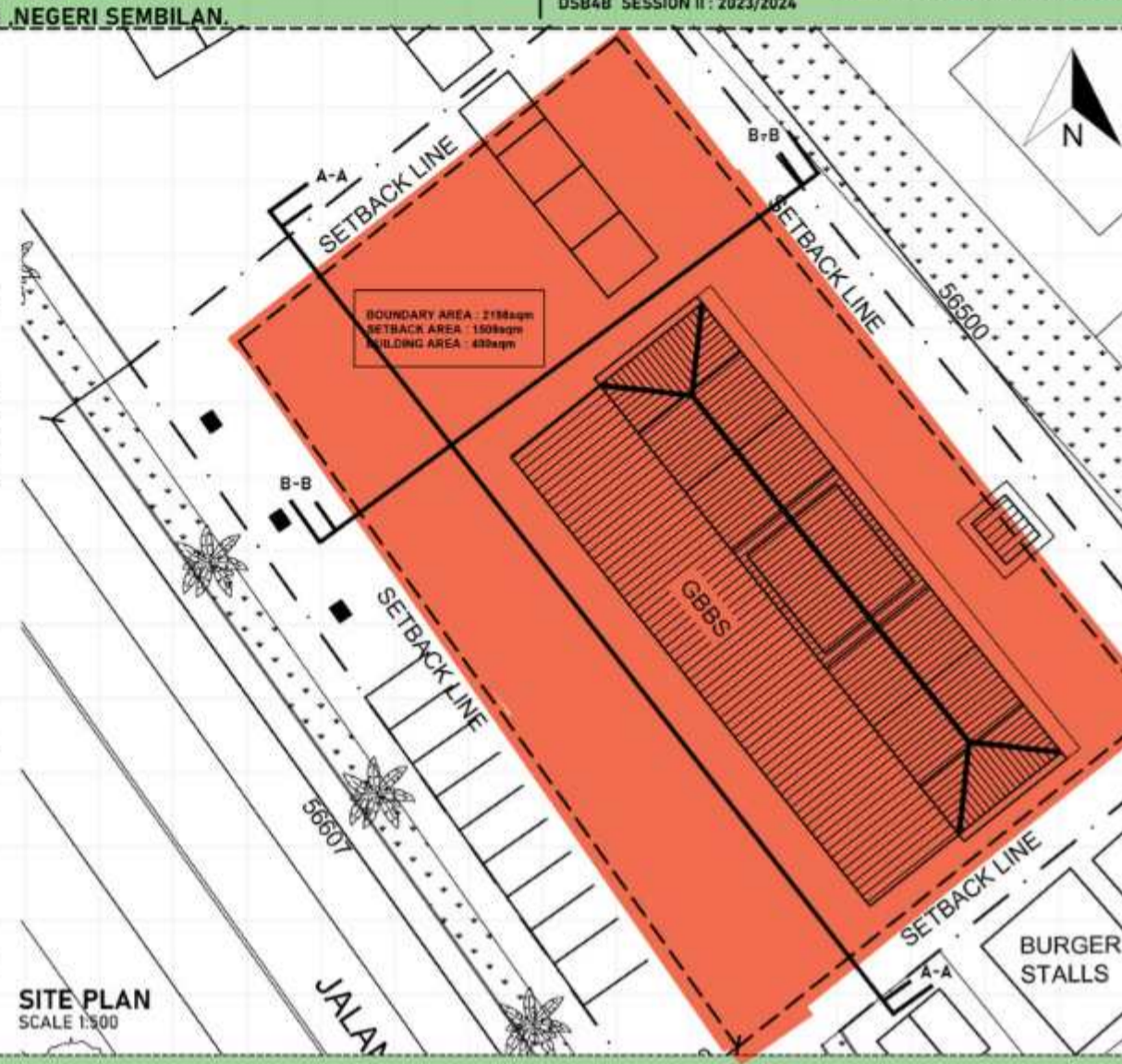


This site has mostly been visited by families and adults, as there are many attractions near the site such as beach and resort.

KEY PLAN NTS



LOCATION PLAN NTS



SITE PLAN
SCALE 1:500

GROUP MEMBERS : AHMAD HOLIL BIN RUSMAN (F1001) | ZULHILMI RAKIN BIN ZULFAHMI FONG (F1021) | NURALISSA SABILA BINTI MOHD SABARI (F1037) | NUR SYAFIQAH LIYANA BINTI MOHD ROSDI (F1041) | AHMAD SYAMIL BIN AHMAD SYAKIR (F1050) | MEERASHREE A/P THIAKESAN (F1060) | NUR QISTINA BINTI ROS AZMAN (F1064)

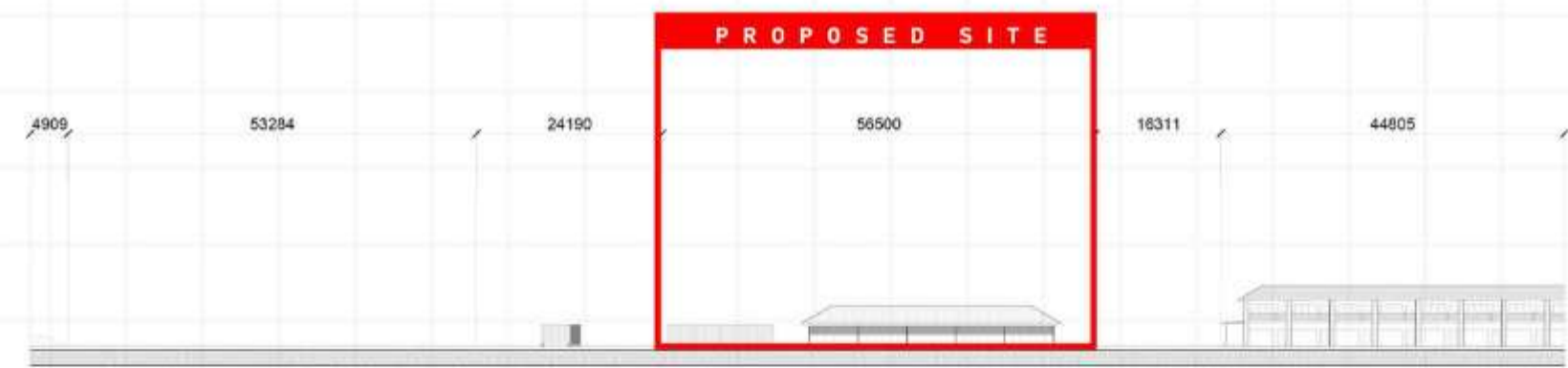
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1 LOCATION, SIZE & ZONING LEGAL
JALAN PANTAI BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.


SITE ANALYSIS
DCA40155 / DESIGN STUDIO 4

ART CENTRE

SECTIONS OF PANTAI BATU 4 SITE



SECTION A-A
SCALE 1:500



SECTION B-B
SCALE 1:500

GROUP MEMBERS : AHMAD HOLIL BIN RUSMAN (F1001) | ZULHILMI RAKIN BIN ZULFAHMI FONG (F1021) | NURALISSA SABILA BINTI MOHD SABARI (F1037) | NUR SYAFIQAH LIYANA BINTI MOHD ROSDI (F1041) | AHMAD SYAMIL BIN AHMAD SYAKIR (F1050) | MEERASHREE A/P THIAKESAN (F1060) | NUR QISTINA BINTI ROS AZMAN (F1064)

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LOCATION, SIZE & ZONING, LEGAL

1 LOCATION, SIZE & ZONING, LEGAL


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SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART COMMUNITY CENTRE

ZONING

EXISTING ZONING AND BUILDING MACRO SITE




LEGEND

■ Water Management Body	■ Transportation	■ Public
■ Forest	■ Agriculture	■ Semi-Private
■ Industry	■ Housing	■ Private
■ Infrastructure and Utility	■ Vacant Land	
■ Institution and Facility	■ Open and Recreational Land	
■ Commercial		

The site falls under **commercial zone** as it could be easily accessed by the tourists and the visitors of Saujana Beach. It is surrounded mainly by existing residential areas. The location is quite accessible, thus the community seldom have interaction with the outsiders.

MICRO SITE

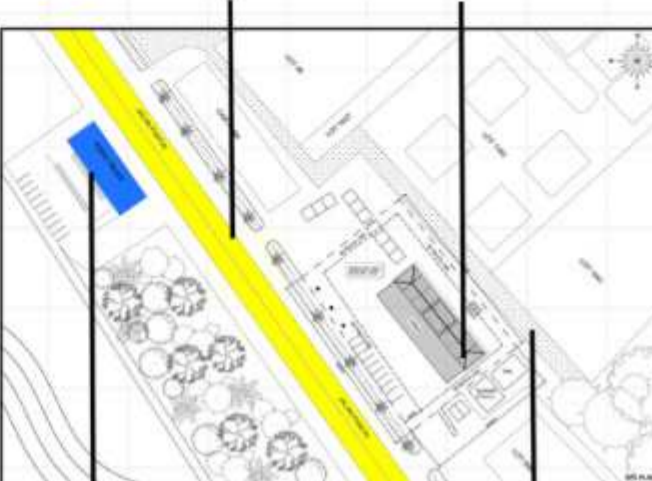


- The access road is designated as a public area, serving as vital conduits for transportation and circulation within the site and the Agro Bazaar.
- The commercial development area is designated as a semi-private zone due to its shared parking areas or access roads serving multiple businesses.
- The residences are designated as private zone as it consist of individual homes or multi-family residences where ownership is typically private, even though access is not restricted by gates or barriers.

PROPOSED LAND USE

Improve accessibility into the site by developing green transportation lanes.

Setbacks are required for the back, sides and front.



The commercial zone should be segregated instead of blocking the view of Saujana Beach from the road and the site.

The car park and vegetative screens serve as buffer zones between the site and the housing area.

SYNTHESIS

In summary, the zoning site analysis has allowed us to come up with a few solutions in order to improve some aspects at the site such as:

- The building should be surrounded with buffer zones in order to better separate each different zones.
- The accessibility should be improved with direct circulation in order to decrease traffic congestion.
- Green area should be designed in order to combat the heat of the populated area.

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1 LOCATION, SIZE & ZONING, LEGAL

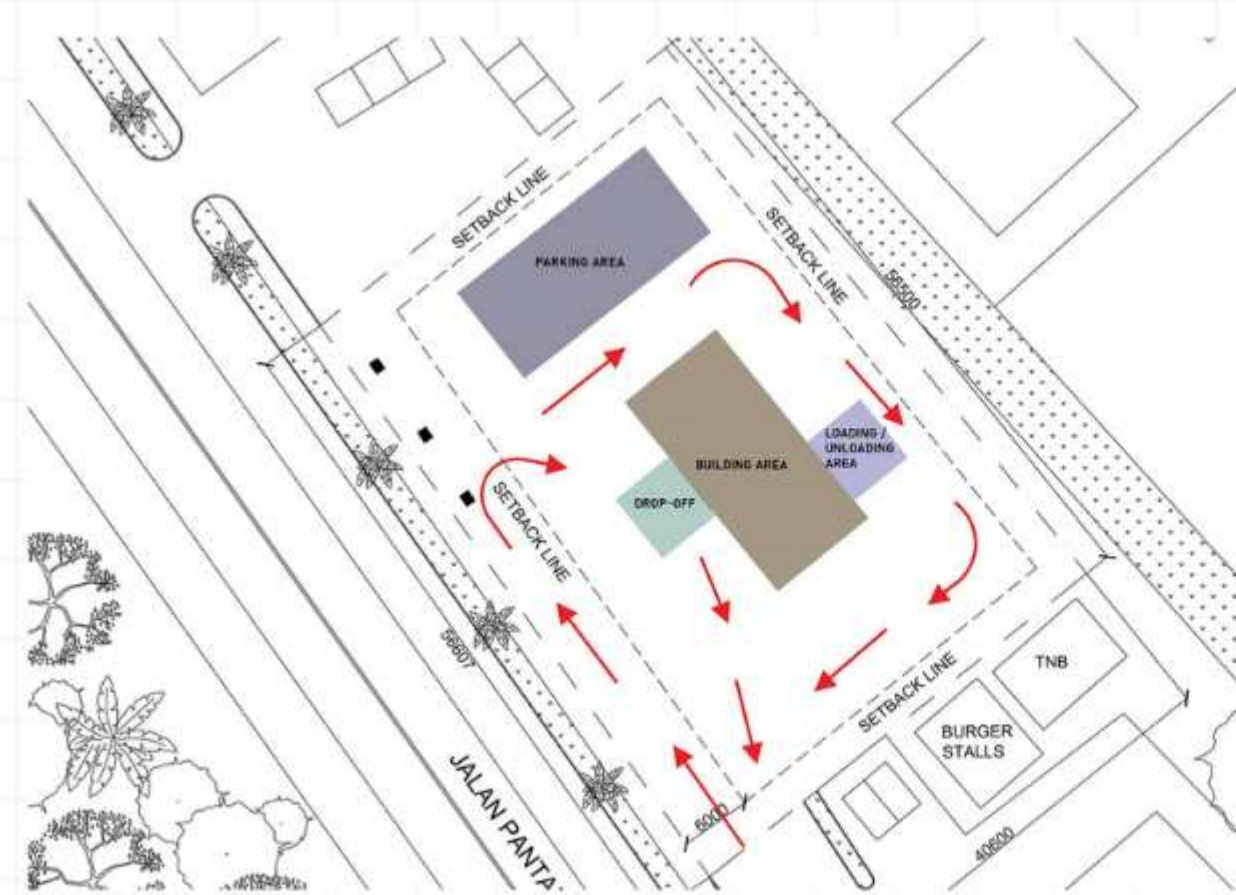
JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART CENTRE

ZONING SYNTHESIS

CIRCULATION AND ZONING SYNTHESIS



LEGEND

■ Building area	■ Drop-off area	→ Circulation
■ Parking area	■ Loading / unloading area	

PARKING AREA

- Must be in a good view position.
- Must have access to the building by walking such as zebra crossing.
- Must have visitor parking, staff parking, disabled parking and motorcycle parking

BUILDING

Must facing a good view

DROP-OFF

- The position of the driver's door must be opposite to the building so that it is easy for the passenger to get into the building.

LOADING / UNLOADING AREA

- Must be at behind the building
- Could be placed at negative view area
- Should be placed at the back and can only be accessed through a private service road.

CIRCULATION

The circulation must be direct and helps in reducing traffic congestion.

S : The site has beautiful scenery that can attract the attention of tourist.

W : Traffic jam makes it difficult for visitors to access the site.

O : High potential to be popular because of its strategic location, which is surrounded by commercial buildings and close to tourist attractions

T : Due to proximity to the coast and drains, the moisture content of the air is high. This can make it easier to rust. Material selection is also important to avoid rust.

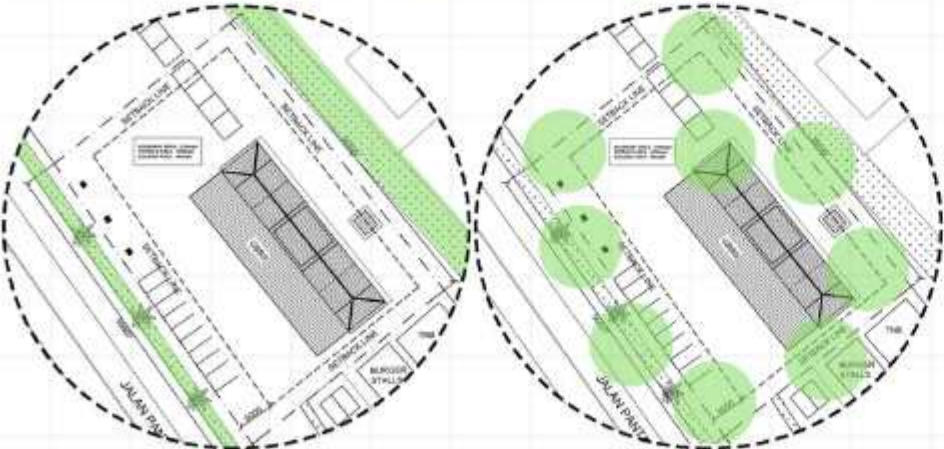
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LOCATION, SIZE & ZONING, LEGAL

1
LOCATION, SIZE AND ZONING LEGAL
SITE ANALYSIS
ART COMMUNITY CENTRE

JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.
DCA40155 / DESIGN STUDIO 4

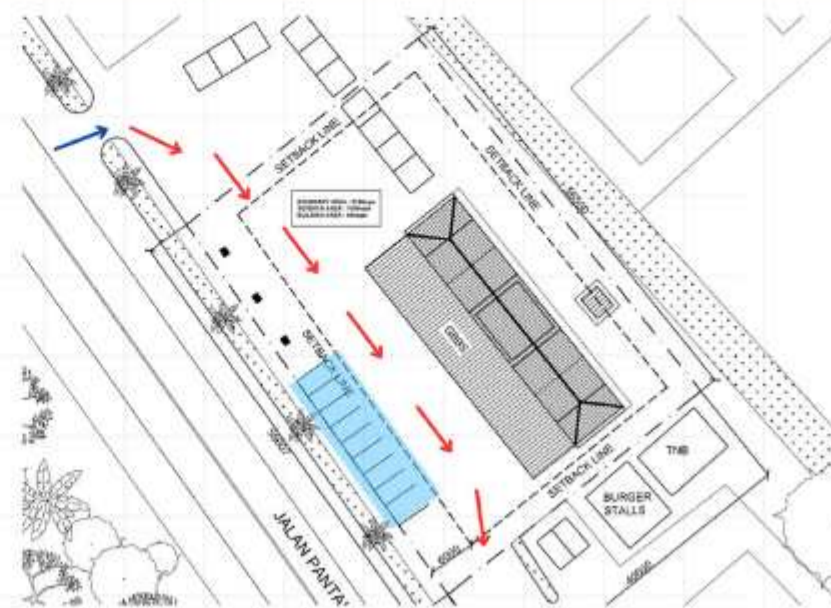


POTENTIAL GREEN AREA

O: -Requires more green area and vegetations especially along road and circulation, entrances, congested area and many more.
-To ensure that air particles that causes air and noise pollution from vehicles are reduced.

EXISTING VEGETATION

-Softscape elements on the site function as the tone for the entire outdoor experience and make your space much more relaxing and inviting to guests.
-Most of them are from palm species as it requires less watering and easy to maintain.



EXISTING VEGETATION

W: -Lack of disabled people parking for user to enter to the site.
-Site is located next to public attraction (less privacy) & sound pollution from the surroundings.

SYNTHESIS


1) Build up a lot of disabled parking for disabled people to make them easier to access into the building.
2) The intersection between the entrance road and the external road should be designed taking into account the number of vehicles available on the external road and the number of vehicles that will be produced by the built housing.





EXISTING VEGETATION

-Softscape elements on the site function as the tone for the entire outdoor experience and make your space much more relaxing and inviting to guests.
-Most of them are from palm species as it requires less watering and easy to maintain.

SYNTHESIS

1) Plant multiple types of vegetation to enhance microclimate
2) Build up an ample green place that provides people with a sense of peace and community.



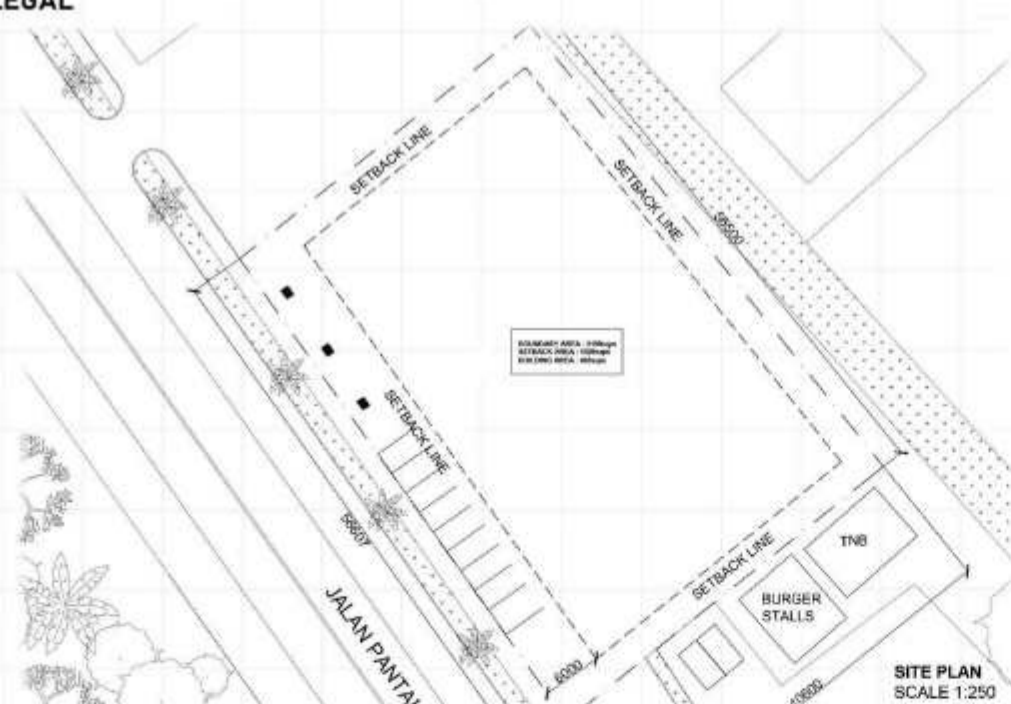
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1
LOCATION, SIZE & ZONING, LEGAL
SITE ANALYSIS
ART COMMUNITY CENTRE

JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.
DCA40155 / DESIGN STUDIO 4

LEGAL



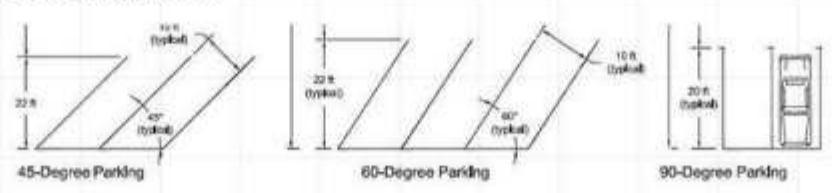
BUILDING SETBACK

-Building setback are distance between the building and the the building lot(6000MM x 3000MM)

PARKING LOT PORVISION

-In general the ratio of OKU parking lot to normal is 1:20
-The minimum width of the parking lot is 3600MM and the minimum length is 5400MM.
-The minimum width for the area for space beside the car which is a minimum 1200MM.

TYPES OF PARKING LOT



BUILDING HEIGHT RESTRICTION


By laws 42-44 Minimum areas,dimensions and height controls for rooms in the building.

i.Habitable room-any room in 6.5sqm area excludes bathroom,open verandah,terrace or garage
ii.Headroom=finished floor level soffit of the lowest projection above the floor
iii.Height of room which means finished floor level to underside of ceiling above it excluding plaster thickness
iv.Storey height=finished floor level to finished floor level above it.

By law 42-Residential

i.Area of habitable rooms=11sqm,9.3sqm and 6.5sqm
ii.Residential habitable rooms width min=2M and height 2.5M

By law 43 All buildings -Dimensions of laterins,wc and bathrooms
-Refer ms 1131 & ms 1184 codes of practice on access for disabled persons to public buildings in conjunction with this clause



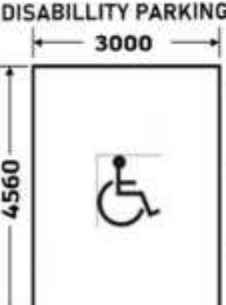
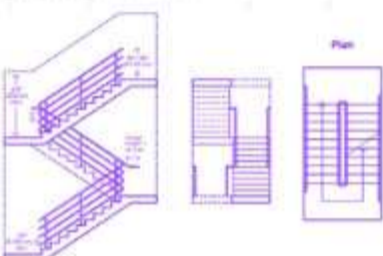
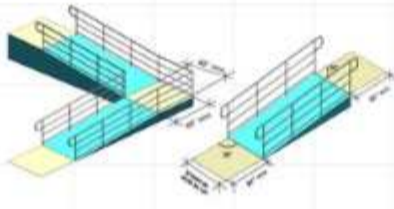

CAR PARK MEASUREMENT OKU

-The parking lot should be near the entrance making it more accessible to them.

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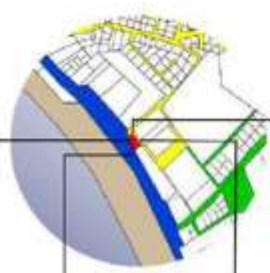




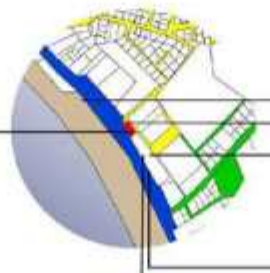






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LOCATION, SIZE & ZONING, LEGAL

1	LOCATION, SIZE & ZONING LEGAL JALAN PANTAI BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.	SITE ANALYSIS DCA40155 / DESIGN STUDIO 4 ART COMMUNITY CENTRE
UNIVERSAL DESIGN & FIRE ESCAPE		
DEFINITIONS Universal is a design aspect in architecture that needs to be considered is "Flexibility and Adaptability". It Also Included elements that can accommodate a wide range of abilities, preferences, and needs, both now and in the future.		
<p>DISABILITY PARKING</p>  <p style="text-align: center;">OKU Parking</p>	<p>A parking lots built for those people with disability with the spec of:</p> <ul style="list-style-type: none"> • The parking built with bigger width to help people who is using wheel chair. • Parking have the minimum width of 3000mm and length 4560mm • This extra parking also needed for the user to access the way to pedestrian easier. 	<p>S : Improves accessibility for people with disabilities and enhances overall user experience for all visitors, regardless of ability.</p> <p>W : Requires careful planning and expertise to ensure compliance with regulations and guidelines.</p> <p>O : Attracts a wider range of visitors, including those with disabilities , diffrent race , age or types such as event planner or street vendors.</p> <p>T : Competition from other sites or venues that do not prioritize universal design.</p>
<p>EMERGENCY STAIRS</p>  <p>Minimum of :</p> <ul style="list-style-type: none"> • Stair height 203cm • Rail height 87cm • Tread width 30cm • Stair width 122cm 	<p>HANDICAP RAMP</p>  <p>Minimum of :</p> <ul style="list-style-type: none"> • The slope of a ramp is 1:12 for each inch • Width of a ramp is 36 inches, measured between handrails. • Level landings at length of 60 inches 	<p>PEDESTRIAN WALKWAY</p>  <ul style="list-style-type: none"> • A walkway with a width of two people can walk in same time • Walkway surface's made of material that is firm and slip surface • Protect the pedestrian by installing a steel fence for safetiness. • Steel fence also enhance the visual of the area with modernize. • A durable & resistant material to weather and long lasting use. • Low maintenance cost with occasional cleaning & inspections.
ASSEMBLY POINT FOR FIRE ESCAPE		
<p>An assembly point for fire escape serves as a designated area where occupants gather after safely evacuating a building during a fire or other emergencies.</p> <ul style="list-style-type: none"> • The assembly point should have sufficient capacity to accommodate all building occupants • Green area is a suitable place for assembly point • Visitor can escape through exit following red arrow • Assembly located nearby site exit & safe from fire. 		
<p>GROUP MEMBERS : AHMAD HOLIL BIN RUSMAN (F1001) ZULHILMI RAKIN BIN ZULFAHMI FONG (F1021) NURALISSA SABILA BINTI MOHD SABARI (F1037) NUR SYAFIQAH LIYANA BINTI MOHD ROSDI (F1041) AHMAD SYAMIL BIN AHMAD SYAKIR (F1050) MEERASHREE A/P THIAKESAN (F1060) NUR QISTINA BINTI ROS AZMAN (F1064)</p> <p>LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN PUAN NORZALINA BINTI MD. YUSOP PUAN MAHANIM BINTI ABDULLAH SADALI</p>		

UTILITIES & CIRCULATION

2 UTILITIES, INFRASTRUCTURE AND CIRCULATION | SITE ANALYSIS | ART COMMUNITY CENTRE JALAN PANTAI BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

UTILITIES						
ANALYSIS	PUBLIC TOILET	PEDESTRIAN PATHWAY	UNIVERSAL DESIGN	COMMERCIAL AREA	RUBBISH DISPOSAL	PARKING
	- Public toilet located too far - Not hygienic and not well maintained	- Existing pathway is not well maintained - Not disabled-friendly	- Some area are not provided with universal design - Some area are not disabled-friendly	- Pack with tourists and local - Scattered	- Existing rubbish disposal is dirty and not well maintained - Causing smell pollution	- Does not have a proper parking space - Parking space is limited
UTILITIES		INFRASTRUCTURE				
    		      				
		<p>S Provide essential services for people nearby the proposed site</p> <p>W Require significant initial investments, which can affect financially</p> <p>O Can be upgraded to a higher level of technologies</p> <p>T Economic change can lead to budget constraints and affecting the quality</p>				
SYNTHESIS	PUBLIC TOILET	PEDESTRIAN PATHWAY	UNIVERSAL DESIGN	COMMERCIAL AREA	RUBBISH DISPOSAL	PARKING
	- Proposed a closer and well maintained public toilet near the art centre	- Proposed a disabled-friendly pedestrian pathway for the people	- Proposed more than one parking space for disabled people - Proposed a ramp near the entrance	- Proposed a variant commercial area that can bring the whole community	- Proposed a hidden rubbish disposal that aren't too obvious and will caused less smell pollution	- Proposed a proper parking spaces for the visitor and - Proposed parking spaces for the employees
<p>GROUP MEMBERS : NURIN NADHIRAH (F1003) NUR QISTINA IMAN (F1007) SITI A'ISYAH QISTINA (F1009) NURUL KAISAH NAJIHAH (F1013) NUR AMERA SYASYA (F1023) NUR HAMIZAH (F1031)</p> <p>LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN PUAN NORZALINA BINTI MD. YUSOP PUAN MAHANIM BINTI ABDULLAH SADALI</p>						

2 UTILITIES, INFRASTRUCTURE AND CIRCULATION | SITE ANALYSIS | ART COMMUNITY CENTRE JALAN PANTAI BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

UTILITIES						
						
ELECTRIC DISTRIBUTION	DRAINAGE	RUBBISH DISPOSAL	MAINHOLE	WATER SUPPLY		
						
TNB SUBSTATION	PARKING	WATER PIPE METER	TNB DISTRIBUTION	SEWERAGE		
<p>STRENGTH Many drainage around the site area can prevent flood</p>		<p>WEAKNESS Add more water supply to ensure water source is clean</p>		<p>OPPORTUNITIES Add more manhole to help enhance underground sewage system</p>		<p>THREAD Drainage not closed can cause unpleasant odor</p>
<p>GROUP MEMBERS : NURIN NADHIRAH (F1003) NUR QISTINA IMAN (F1007) SITI A'ISYAH QISTINA (F1009) NURUL KAISAH NAJIHAH (F1013) NUR AMERA SYASYA (F1023) NUR HAMIZAH (F1031)</p> <p>LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN PUAN NORZALINA BINTI MD. YUSOP PUAN MAHANIM BINTI ABDULLAH SADALI</p>						

UTILITIES & CIRCULATION

2 UTILITIES, INFRASTRUCTURE AND CIRCULATION | SITE ANALYSIS | ART COMMUNITY CENTRE
 JALAN PANTALBATU 4 71050 PORT DICKSON, NEGERI SEMBILAN. | DCA40155 / DESIGN STUDIO 4

INFRASTRUCTURE MICRO 0.5KM

EXISTING STALLS
Existing stalls become one of the attractions of the public.

STREET FURNITURE
Trash cans are available for public use. This step can reduce the bad smell and keep the area clean.

UNIVERSAL DESIGN
Disabled parking is provided to facilitate disabled people.

STREET FURNITURE
There is a phone booth that is still working available for public use.

PUBLIC SIGN
There re many public sign in the area to avoid accidents.

PARKING LOT
Ample parking lot is available for the public and the stall worker.

COMMERCIAL AREA
There are many open spaces that can be used as commercial areas.

COMMERCIAL AREA
There are stalls that sell various types of food includin fruits

PADESTRIAN WALKWAY
Paedestrian walkway are provided to facilitate people and avoid accidents

PUBLIC SIGN
There re many public sign in the area to avoid accidents.

S Has a beautiful view because it is located in front of the beach

W Don't have public toilets nearby

O Has a large space suitable for a stall site

T The parking lot is not organized with a narrow road

GROUP MEMBERS : NURIN NADIRAH | NUR QISTINA IMAN | SITI A'ISYAH QISTINA | NURUL KAISAH NAJIHAH | NUR AMERA SYASYA | NUR HAMIZAH
 LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

2 UTILITIES, INFRASTRUCTURE AND CIRCULATION | SITE ANALYSIS | ART COMMUNITY CENTRE
 JALAN PANTALBATU 4 71050 PORT DICKSON, NEGERI SEMBILAN. | DCA40155 / DESIGN STUDIO 4

UTILITIES

LEGEND:

- Fire Hydrant
- TNB Substation
- Water Supply
- Dranaige
- Sewerage
- Electric Distribution
- Mainhole
- Rubbish Disposal
- Proposed Site

GROUP MEMBERS : NURIN NADHIRAH (F1003) | NUR QISTINA IMAN (F1007) | SITI A'ISYAH QISTINA (F1009) | NURUL KAISAH NAJIHAH (F1013) | NUR AMERA SYASYA (F1023) | NUR HAMIZAH (F1031)
 LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

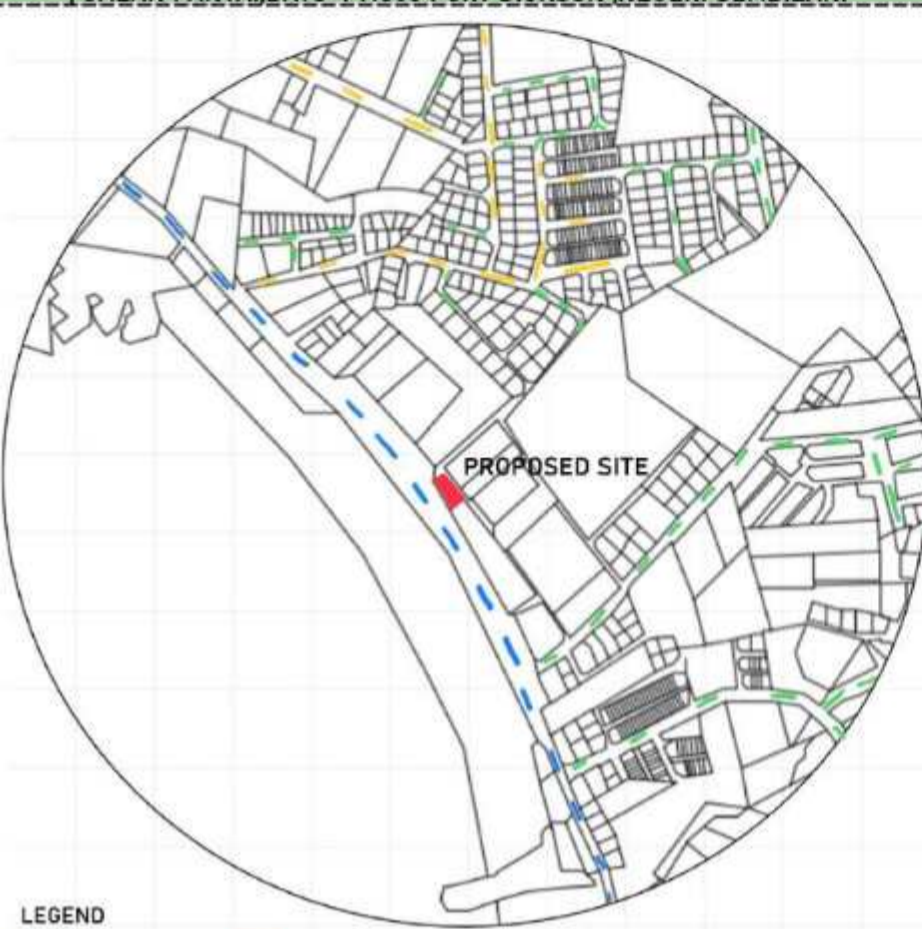
UTILITIES & CIRCULATION

2 CIRCULATION

JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

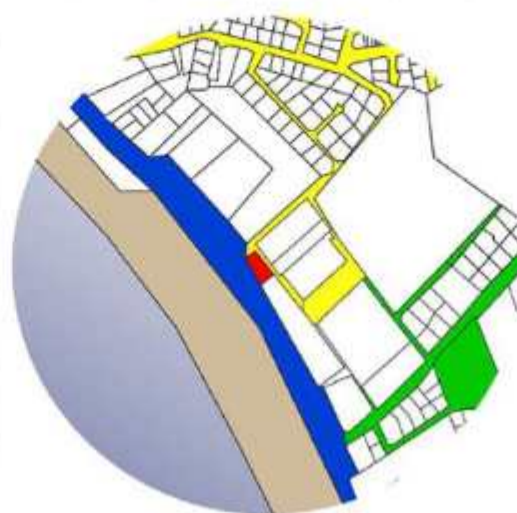
SITE ANALYSIS
DCA40155 / DESIGN STUDIO 4

ART COMMUNITY CENTRE



PROPOSED SITE

TRAFFIC DENSITY



7 AM - 1 PM
- HEAVY DUE PEOPLE GO TO WORK AND ALSO THERE'S SCHOOL NEARBY.

1 PM - 3 PM
- MODERATE DUE TO PEOPLE GO OUT FOR WORK.

3 PM - 8 PM
- HEAVY DUE TO MANY PEOPLE GATHER TO WITNESS THE SUNRISE ON THE BEACH

8 PM - 12 AM
- SMOOTH DUE PEOPLE DO IN BECAUSE NO ACTIVITIES CAN BE DON AT THAT TIME.

STRENGTHH

The area holds strategic significance due to the presence of two main roads intersecting there.

WEAKNESS

The site area is accessible via a single road exclusively for vehicles from Bagan Pinang village.

OPPURTUNITIES

Create another path to enter the site.

THREAT

An accident may occur in the absence of a traffic light, particularly during peak hour.

GROUP MEMBERS : NUR HAMIZAH | NUR QISTINA IMAN | NURUL KAISAH NAJIHAH | NURRINNADHIRAH | SITI A'ISYAH QISTINA | NUR AMERA SYASYA

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

2 CIRCULATION

JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

SITE ANALYSIS
DCA40155 / DESIGN STUDIO 4

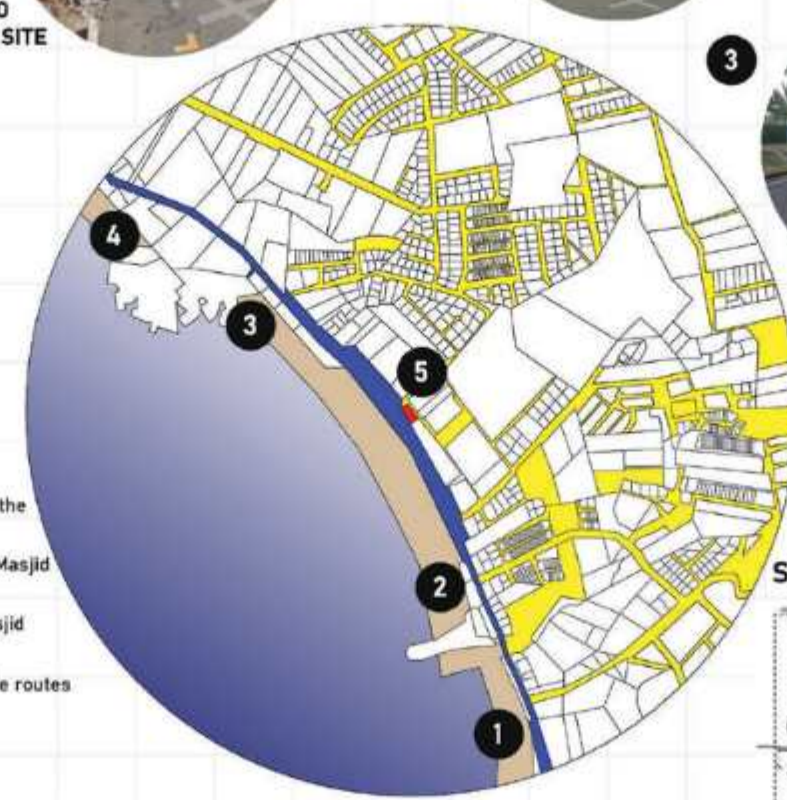
ART CENTRE

CIRCULATION

SITE INVENTORY

LEGEND

- PRIMARY ROAD
- SECONDARY ROAD
- PROPOSED SITE



TIME TRAVEL TO PROPOSED SITE

- 1** PERSIARAN PAHLAWAN
1.0KM (3MIN)
- 2** JALAN PANTAI
0.5KM (2MIN)
- 3** JALAN TTK
0.5KM (1MIN)
- 4** JALAN MASJID
1.0KM (2MIN)

SWAT


S The site is located in a strategic area which near the two main road

W Did not have a route to enter the site from Jalan Masjid area.

A Proposed a route to enter the site from Jalan Masjid area

T - Accidents can occur in front of the site due to the routes
- Heavy traffic around the site

SECTION OF EXISTING ROAD



GROUP MEMBERS : NURIN NADHIRAH | NUR QISTINA IMAN | SITI A'ISYAH QISTINA | NURUL KAISHA NAJIHAH | NUR AMERA SYASYA | NUR HAMIZAH

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

UTILITIES & CIRCULATION

2

UTILITIES, INFRASTRUCTURE AND CIRCULATION

SITE ANALYSIS

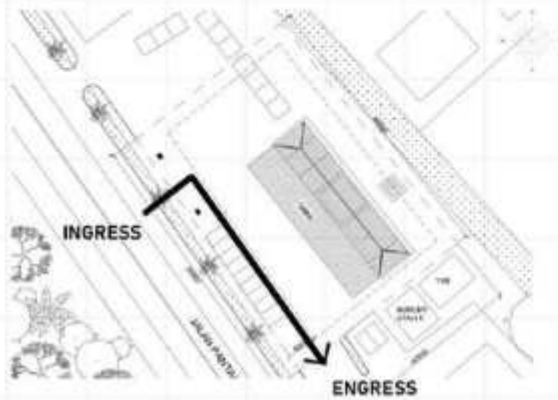
DCA40155 / DESIGN STUDIO 4

ART COMMUNITY CENTRE

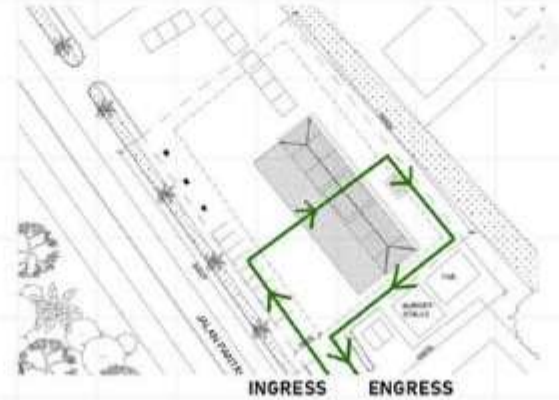
JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

EXIT ROUTE

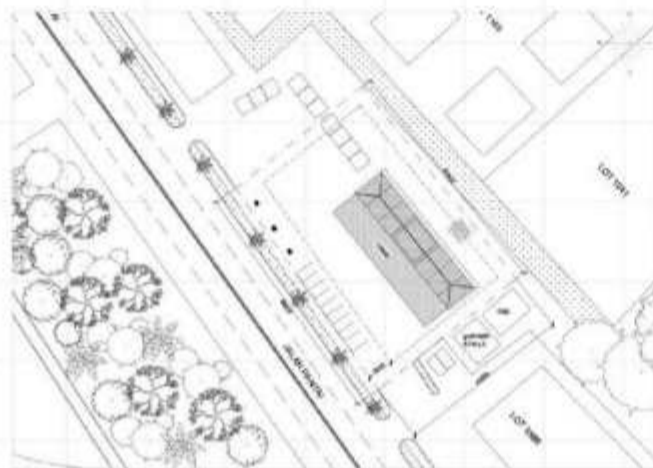
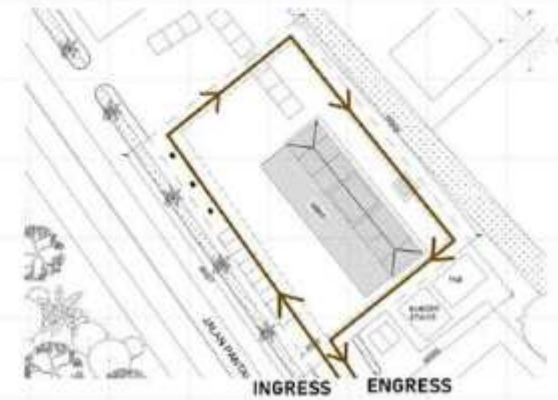
Option 1



Option 2



Option 3



STRENGTH

Have a strategic place by facing the main road that can attract more potential visitor.

WEAKNESS

The main road have a double line that prevent visitor from the south to enter the site.

OPPORTUNITIES

Make a way to enter the site so that the visitor won't have to make a u-turn at the traffic light.

THREAD

There are one way intersection and will make the road congested.

ANALYSIS

Have 1 exit and a divider to separated the road and the site.

SYSNTHESIS

Demolish the divider near the car park in the site to make the second entry and exist so that the road won't be congested.

GROUP MEMBERS : NUR HAMIZAH | NUR QISTINA IMAN | NURUL KAISAH NAJIAH | NURRIN NADHIRAH | SITI A'ISYAH QISTINA | NUR AMERA SYASYA

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

CLIMATE & SENSORY

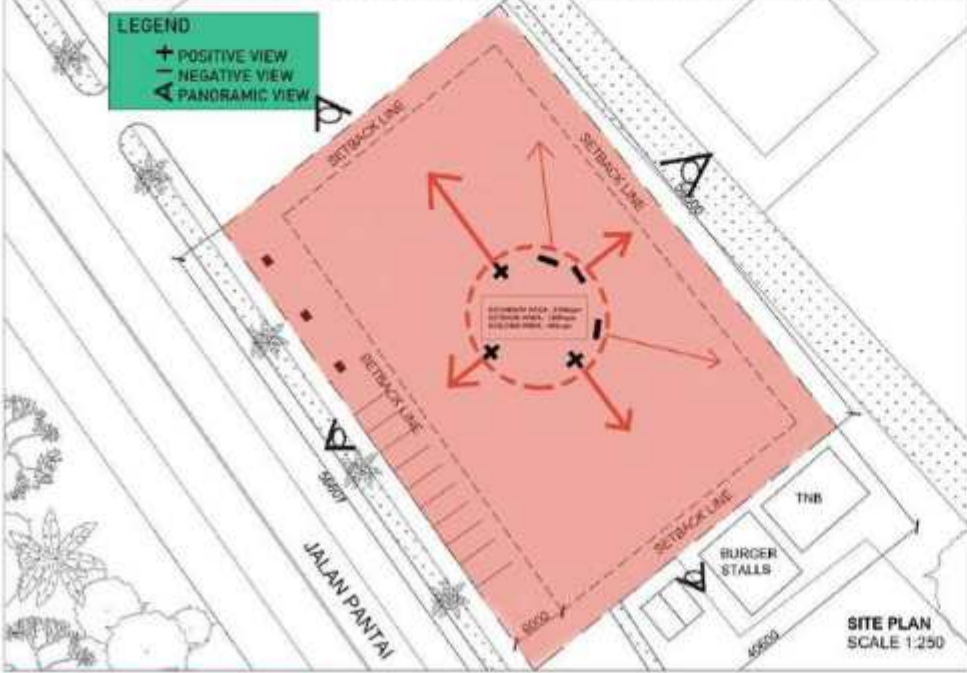
4 SENSORY (VIEW)

SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART CENTRE




LEGEND

- ⊕ POSITIVE VIEW
- ⊖ NEGATIVE VIEW
- ↻ PANORAMIC VIEW



SITE PLAN SCALE 1:250

POSITIVE VIEW








Positive view toward Pantai Saujana and Parking Lot at southwest of the site

Positive view toward food stall at northwest of the site

Positive view toward entrance and shop lot at southeast of the site

NEGATIVE VIEW

Negative view that come bush and abandoned drain

Negative view that come from toilet restaurant

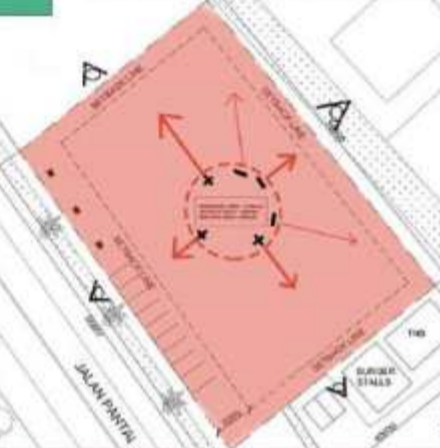
Unmanage canopy and storage at back of food stall

SYNTHESIS


-Proposed an Art Centre with view toward Southwest to Northwest to maximize the positive view that provide beach scenery

-Positive and negative space create a sense of rhythm and movement through patterns and repetitions


- Negative space balances out positive space so that a visual piece does not overwhelm viewers.




PANORAMIC VIEW




Panoramic view from site to southwest provide view of restaurant, food stall and parking lot



Panoramic view from site to southeast provide view of restaurant, parking lot and Pantai Saujana



Panoramic view from site to northwest provide view of restaurant, food stall, parking lot and Pantai Saujana



Panoramic view from site to northeast provide view of restaurant toilet,garage and storage

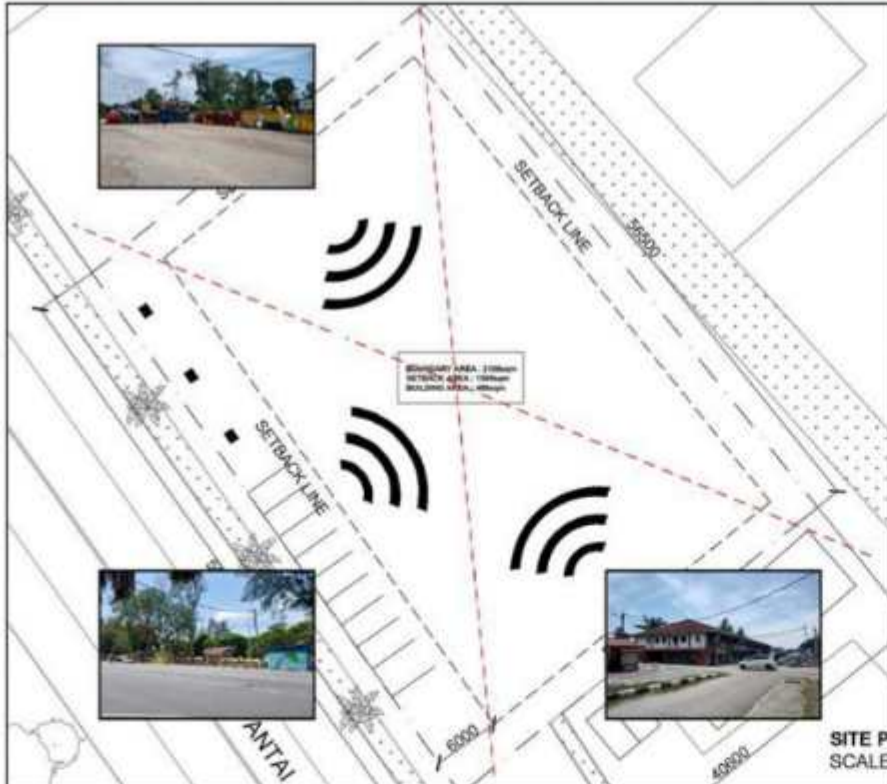
GROUP MEMBERS : YASMIN BINTI AZMI (06DSB22F1015)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

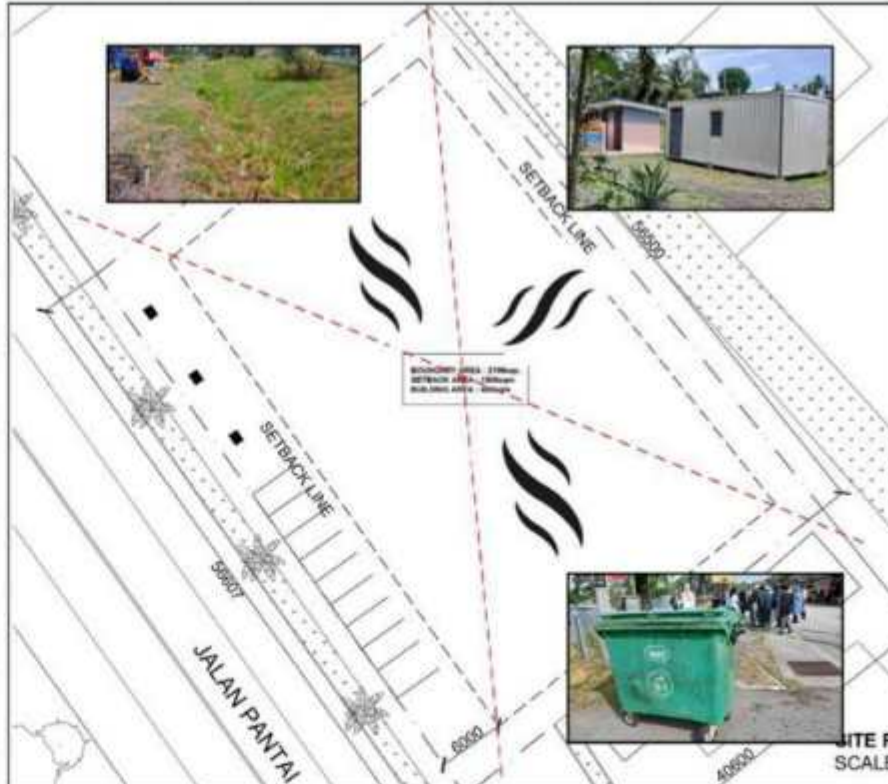
4 SENSORY (NOISE & SMELL)

SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART CENTRE



SITE P SCALE



SITE P SCALE

ANALYSIS :

- NOISE POLLUTION FROM MAIN ROADS
- NOISE FROM FOOD STALLS AT NIGHT
- BAD NOISE ON THE WEEKEND FROM SHOP BUILDING

SYNTHESIS :

- BUILT SOUND ABSORBERS (water fountain)
- PREPARE A MORE ORGANIZED BUSINESS SPACE

ANALYSIS :

- BAD SMELL FROM EXISTING DRAINAGE
- BAD SMELL FROM NEARBY DUMPSTER
- BAD SMELL FROM EXISTING PUBLIC TOILET

SYNTHESIS :

- MAKE A PROPER DRAINAGE
- BUILD A CLOSED WASTE DISPOSAL AREA
- DEMOLISH OR REPAIR MAINTENANCE

NAME : NURJIHA BT HAIRUL NIZAM (06DSB21F1057)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

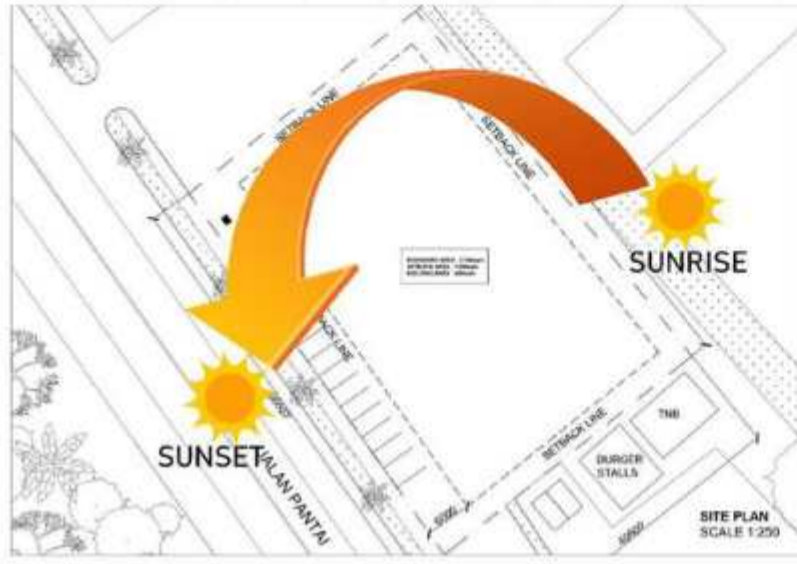
CLIMATE & SENSORY

4 CLIMATE & SENSORY

SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART CENTRE

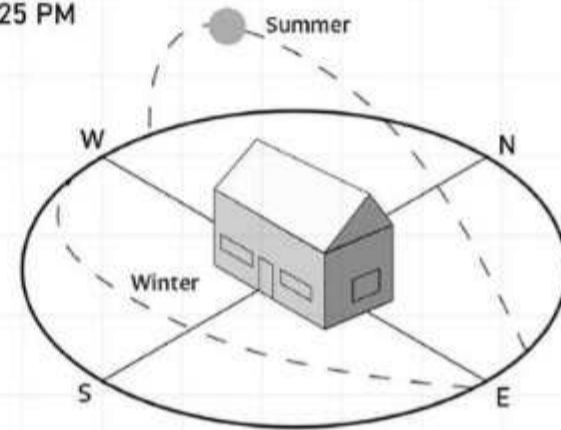
SUN PATH



Sun path, sometimes also called day arc, refers to the daily and seasonal arc-like path that the Sun appears to follow across the sky as the Earth rotates and orbits the Sun. The Sun's path affects the length of daytime experienced and amount of daylight received along a certain latitude during a given season.

SOLAR DATA IN PORT DICKSON

DAWN : 07:02 AM
SUNRISE : 07:22 AM
CULMINATION : 13:25 PM
SUNSET : 19:47 PM
DAYLIGHT DURATION : 12H 4M 29S



BUILDING ORIENTATION ACCORDING TO SUN

Orientate the house east-west to ensure a long side to face the sun. Minimising east and west facing walls and windows reduces excessive summer heat gain. Plan the rooms so that cooler service spaces are located with a northerly aspect and habitable rooms take advantage of the warmer southerly aspect.

NAME : A'LIN ALISSA ATASHA BINTI MOHD ROZAHAR (0605822F1033)

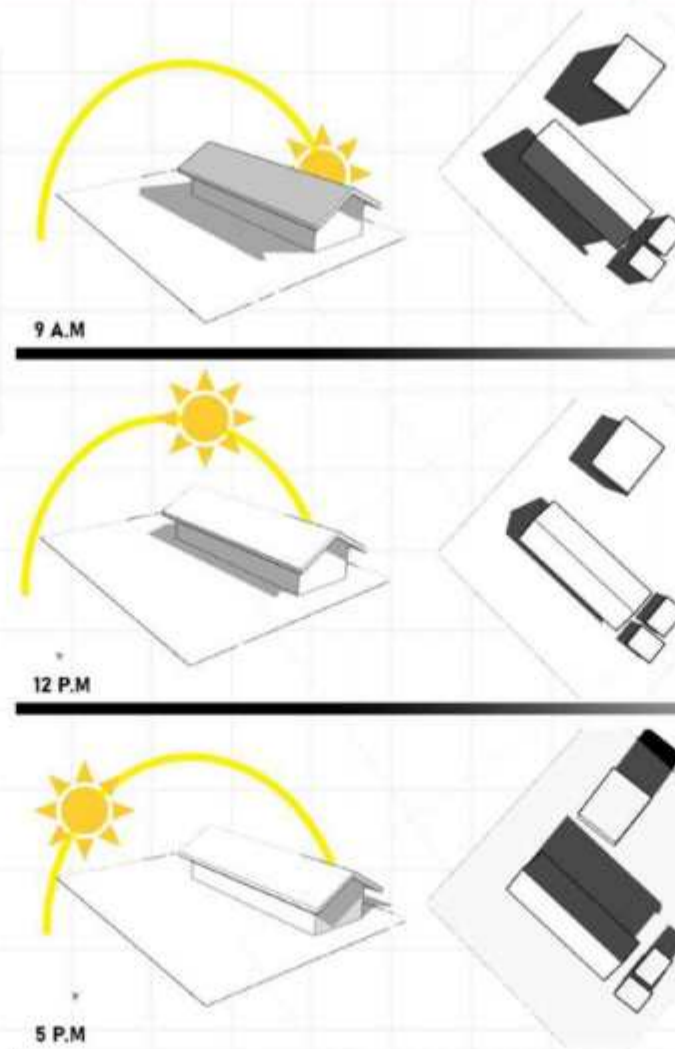
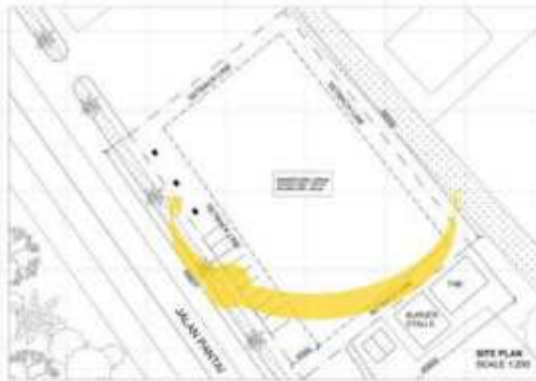
LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

3 CLIMATE AND SENSORY

SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART CENTRE

SHADOW PATH



Buildings or structures located to the east of a site may cast shadows toward the west, providing shading to the western sides of buildings. However, the eastern sides of buildings may be exposed to direct sunlight, particularly if there are no obstructions to block the sun's rays.

Buildings or structures to the south may cast shadows to the north, providing shading to the northern sides of buildings. Direct sunlight will be most intense, especially on southern facades, while northern facades may receive indirect or diffused light. Proper shading devices such as overhangs, louvers, or vegetation can help mitigate solar heat gain and glare.

Buildings or structures to the west may cast shadows toward the east, providing shading to the eastern sides of buildings. The western facades of buildings will experience direct sunlight, potentially leading to increased solar heat gain and glare.

SYNTHESIS

Building Orientation

When designing a building, consider the orientation and positioning to optimize natural light and minimize undesirable shadows.

Building Materials and Finishes

Building Materials and Finishes: Selecting appropriate building materials and finishes can help control glare and maximize daylight diffusion.

Light-colored and reflective surfaces can bounce natural light deeper into the building, while matte finishes can minimize glare and provide visual comfort.

Landscape

*Integrate landscaping elements such as trees, trellises, or pergolas to cast interesting shadows onto building surfaces. These natural elements can also provide shade and contribute to passive cooling strategies.



GROUP MEMBER RAJA FAREZ IQBAL BIN RAJA RUSLI (0605822F1017)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

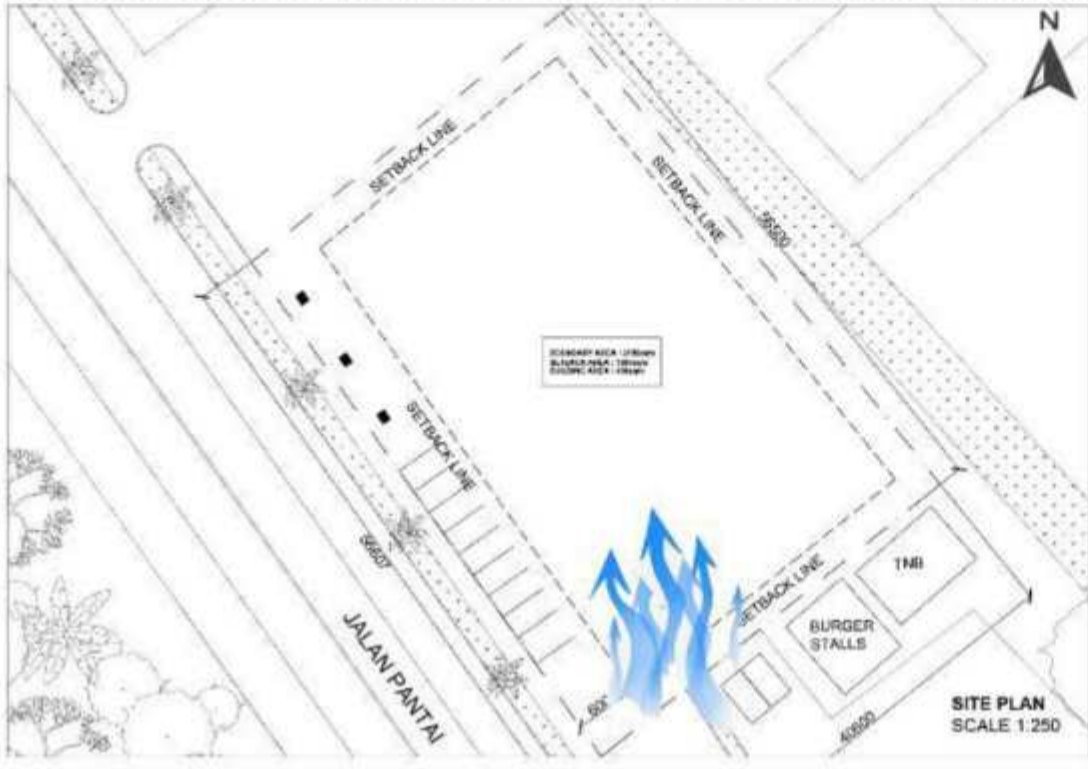
CLIMATE & SENSORY

4

Climate & Sensory

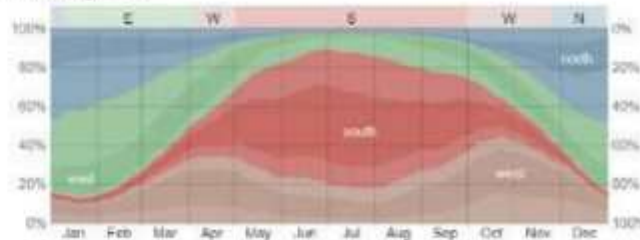
SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART CENTRE



SITE PLAN
SCALE 1:250

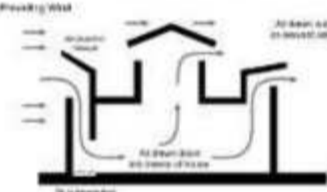
Wind Direction Analysis



The percentage of hours in which the mean wind direction is from each of the four cardinal wind directions, excluding hours in which the mean wind speed is less than 1.0 mph. The lightly tinted areas at the boundaries are the percentage of hours spent in the implied intermediate directions (northeast, southeast, southwest, and northwest).


Because of the volume of vehicles that pass by on Jalan Pantai during the day, there are strong winds coming from the north of the location.

Synthesis



Natural ventilation strategy that utilizes wind to bring fresh outdoor air into a building while removing stale indoor air.

provide a cooling effect as the moving air helps dissipate heat from the indoor space.



Windows with fixed panes facing the direction of the wind. Planting hedges to protect against the wind is another option. Reducing the surface area of the walls exposed to the wind helps to minimize the impact.

NAME : NURUL AKMA BINTI MOHD RIDUAN (06DSB22F1011)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

3

CLIMATE & SENSORY


SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART CENTRE

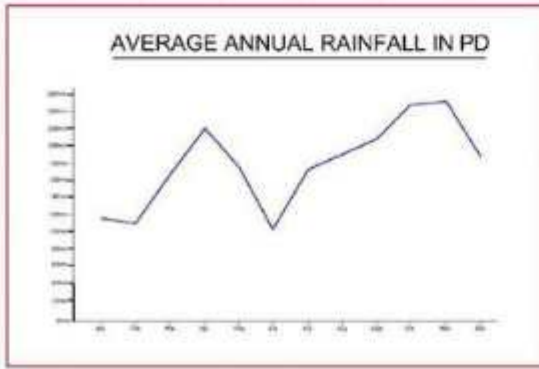
GRAPH OF PRECIPITATION

Humidity is 64%

Temperature is 32 degree



GRAPH 1



GRAPH 2

ANALYSIS

As per the graph November has the highest days of rainfall meanwhile June has the lowest days of rainfall.

As per graph 2 average annual rainfall in PD 179.17mm.

SYNTHESIS

- Proposed building should have gutter so it could divert rainwater away from home and its foundation.
- Proposed building should have overhang roof it could provide shade and reduce direct sunlight exposure, which can help keep the building cooler during hot weather.

GROUP MEMBER : VIJAYARANI TAMIL SALVAN (06DSB21F2054)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

CLIMATE & SENSORY

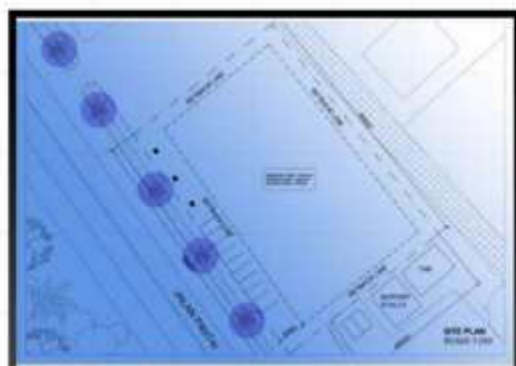
3

CLIMATE AND SENSORY

SITE ANALYSIS

DSB4B SESSION II : 2023/2024

ART CENTRE



Humidity Factor

-Sea Nearby

The closer you are, the more moisture in the air, making it feel muggy.

-Windy days

If the wind blows from the sea, it can bring more moisture.

-Plants and trees

They release water vapor, adding to the humidity.

Legend

- More humidity
- Less humidity

Batu 4 Port Dickson Humidity Graph data From meteorology show the most humidity in May and least on January



How it affects us:

Feeling hot:

Even when it's not that hot, humidity can make it feel hotter and uncomfortable.

Outdoor fun:

Activities like swimming or hiking can be more tiring due to difficulty cooling down.

Building health:

Too much moisture can lead to mold growth in houses, which can be bad for our health.



S

Situated in Port Dickson with a beachfront location, offering scenic views and easy access to the beach for tourists.

Natural surroundings: The presence of scrubs or undergrowth can add a natural ambience and enhance the overall appeal of the site.

The presence of unkempt trees and undergrowth may detract from the aesthetic appeal and potentially pose safety concerns for visitors.

W

Without unique features or amenities, the site may struggle to stand out among competitors in the tourism industry.

There's an opportunity to invest in improving infrastructure and amenities to enhance the visitor experience and attract more tourists.

O

Introducing additional recreational activities or cultural experiences could attract a wider range of visitors and extend their stay.

Other nearby tourist destinations or resorts may pose a threat by drawing visitors away from the site.

Neglecting to maintain the natural surroundings could lead to environmental degradation, affecting the attractiveness of the site and potentially harming local ecosystems.

T

GROUP MEMBER MUHAMMAD DANISH SYAHMI | BIN NORISHAM 06DSB22FI029

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

NEIGHBOURHOOD CONTEXT & HUMAN CULTURE

4.1 NEIGHBOURHOOD CONTEXT

JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.


SITE ANALYSIS
DCA40155 / DESIGN STUDIO 4

ART COMMUNITY
CENTRE

INTRODUCTION


Port Dickson is a coastal town in Malaysia's Negeri Sembilan state. Known for its beautiful beaches and resorts, it is a popular destination for tourists, especially those looking for a beach vacation just a few hours' drive from Kuala Lumpur. The city offers a wide variety of leisure activities, including water sports, fishing, and beach picnics. In addition, Port Dickson is also home to historic sites such as Cape Ratchado Lighthouse and Kota Lukut Fort and Museum, giving visitors the opportunity to explore the region's rich cultural and historical heritage.

TYPES OF BUILDING :




Anjung Kelana

- Vernacular architecture
- Inspiration of Malay kampung house
- Built in timber mainly of recycled Cengal and Merbau
- Concept : human consideration toward local cultural and identity




Army Museum Port Dickson

- Federal architecture
- Symmetry, classical details and a side gabled roof
- A dramatic central front door and portico




Avillion Port Dickson

- hotel features an ethnic concept fusing traditional fishing village architecture
- Balinese gardens and rainforest elements in a boutique setting on 23 acres of land and sea



aVi Lounge Avillion Port Dickson

- Modern architecture
- Materials used concrete, glass and steel
- simple and clean facade



MACRO 2KM

PROPOSED SITE

RELIGIOUS

COMMERCIAL

TOURIST VISIT


PROPOSED SITE

RESIDENTIALS

GOVERNMENT BUILDING

MATERIALS

Typically, buildings in the area utilize concrete and steel as primary construction materials. Additionally, they employ light, soft colors such as white, not only to deter heat absorption and maintain a comfortable indoor temperature but also to enhance visibility for those in the vicinity of the site.



S

Encouraging residents and tourists to gather and engage in activities in the vicinity of Saujana beach.

W

The combination of a growing population and popular tourist attractions leads to congestion in the surrounding area.

O

Local residents and tourists have the opportunity to explore the nearby art center, fostering interest and participation in various activities hosted there.

T

The high density of visitors and residents can occasionally result in fluctuations, causing shortages of visitors at certain times.

GROUP MEMBERS : MUHD IMAN RAMADHAN (F2048) | ALIEF AIMAN (F1070) | MOHD NOOR ELYAS (F1056) | MUHAMMAD AIMAN (F1068) | DANISH HAIKAL (F1035) | NURRIN SYAZLIN (F1019) | NUR LIYANA (F1005)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI


4.1 NEIGHBOURHOOD CONTEXT

JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

SITE ANALYSIS
DCA40155 / DESIGN STUDIO 4

ART COMMUNITY
CENTRE


HEALTH & WELLNESS



Bagan Pinang Health Clinic

People come to the clinic for a routine check-up, to seek treatment for an illness or injury, or for health education and advice, they can expect to receive personalized care tailored to their specific needs.


FOODS & BEVERAGES



KFC Port Dickson

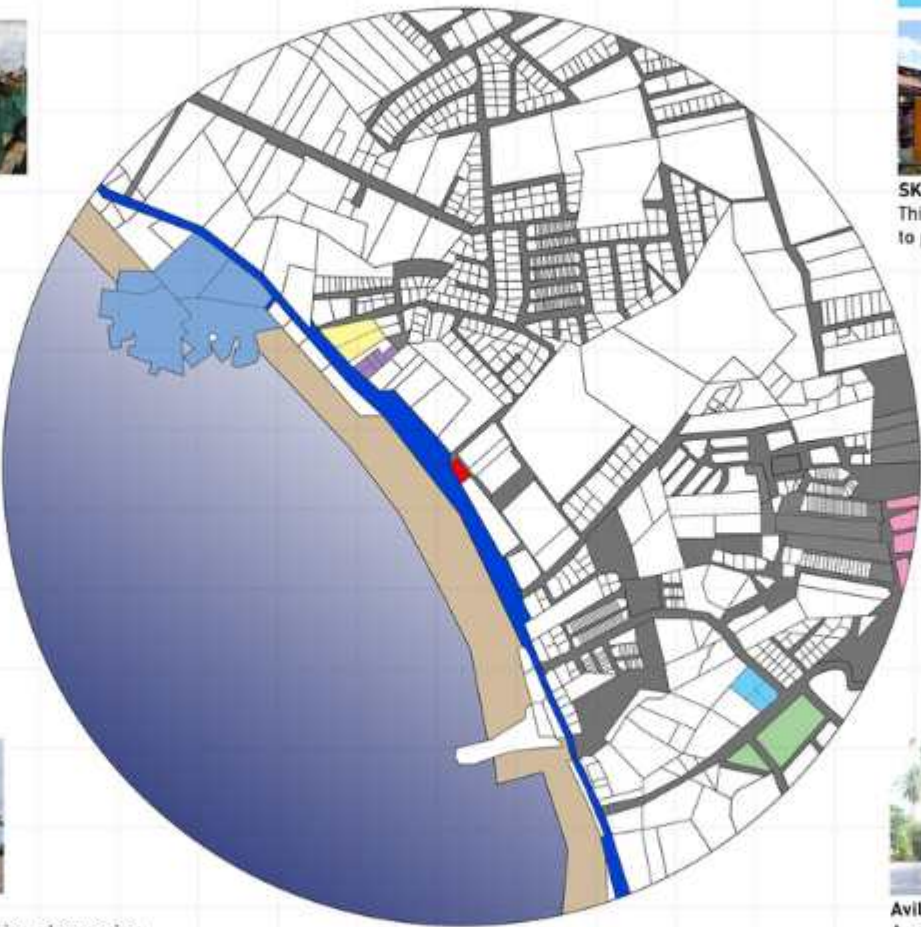
People grab a fast food restaurant typically offer quick service, affordable prices, and convenient options for dining in, takeout, or drive-thru service.

GOVERNMENT




Army Museum Port Dickson

This museum indeed symbolizes courage and service, showcasing the rich history and contributions of the Malaysian Armed Forces. It serves as an important educational and historical site, offering visitors a glimpse into the nation's military heritage.



MACRO 2KM


EDUCATION



SK Si Rusa

This primary school located in Si Rusa. Established to provide education to young learners in the area.


RELIGIOUS



Masjid Depoh Askar Melayu Diraja

Individuals come to the mosque to perform their daily prayers individually or in congregation. The mosque provides designated prayer areas for men and women.

ACCOMMODATION



Avillion Port Dickson

A premier beach resort destination that offers a perfect blend of luxury, comfort, and natural beauty, providing guests with a memorable retreat by the sea.

GROUP MEMBERS : MUHD IMAN RAMADHAN (F2048) | ALIEF AIMAN (F1070) | MOHD NOOR ELYAS (F1056) | MUHAMMAD AIMAN (F1068) | DANISH HAIKAL (F1035) | NURRIN SYAZLIN (F1019) | NUR LIYANA (F1005)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

Art Community Centre
Architecture Design Exhibition: Studio 4
19

NEIGHBOURHOOD CONTEXT & HUMAN CULTURE

4.2 HUMAN ACTIVITIES (MACRO)

JALAN PANTAI BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

SITE ANALYSIS
DCA40155 / DESIGN STUDIO 4

ART COMMUNITY CENTRE

HEALTH AND WELLNESS



1 Bagan Pinang Health Clinic
People can get the health treatment in clinic near the site.

2 Wellness Hub Bagan Pinang

FOOD & BEVERAGES



3 King's Char Kuey Teow
People can get try the famous food place in Port Dickson such as ikan bakar in Tapaq King.

4 Tapaq King Ikan Bakar

ACCOMMODATION



5 The Grand Villa Cahaya

6 Avillion Port Dickson
Many hotel, resort, homestay and villa were found surrounding the site. Tourists that come to Port Dickson can easily find place to sleep and rest near the site.



Macro activities of site
2KM

EDUCATIONAL



7 SMK Kampung Baru Si Rusa
A place for an elementary and high school students study.

8 SK Si Rusa



9 Pusat Latihan Asas Tentera Darat PUSASDA
A place for an army students to get they training.

COMMERCIAL



10 Army Museum Port Dickson
Visitors can pay a visit at museum to know the hysterical about Malay Royal Armed Forces.

RELIGION



11 Masjid Depoh Askar Melayu Diraja
Muslim people that live in Port Dickson come in there to do the prayer.

ANALYSIS

- There are many tourist activities surrounding the site.
- The main attractive place for visitor near the site is Army Museum Port Dickson and Pantai Saujana.
- There are many institution surrounding the site.
- There is also many place for food and beverages for people.

SYNTHESIS

- This location is well-known and accessible, a significant number of tourists are expected to travel through this area and explore the site.
- Other than that, many student in that area because there is many school so it will give an opportunity for student to involve in art.

GROUP MEMBERS : MUHD IMAN RAMADHAN (F2048) | ALIEF AIMAN (F1070) | MOHD NOOR ELYAS (F1056) | MUHAMMAD AIMAN (F1068) | DANISH HAIKAL (F1035) |
NURRIN SYAZLIN (F1019) | NUR LIYANA (F1005)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI

4.2 HUMAN ACTIVITIES (MICRO)

JALAN PANTAI BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

SITE ANALYSIS
DCA40155 / DESIGN STUDIO 4

ART COMMUNITY CENTRE

RECREATIONAL



1 CARAVAN AND CAMPING
Tourists and residents of Negeri Sembilan can do leisure activities here such as camping and picnic.



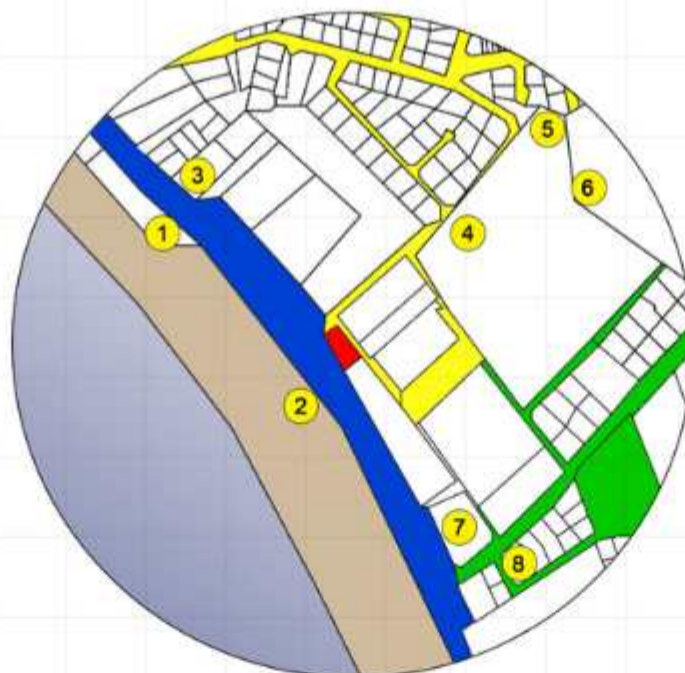
2 PANTAI SAUJANA, PORT DICKSON
Tourist can swim and enjoys the beauty of the beach.

RESIDENTIAL



3 HOTEL SERI MALAYSIA, PORT DICKSON
Providing comfortable and convenient overnight accommodations for travelers, ensuring a restful and enjoyable stay during their journeys.

4



MICRO 0.5KM

TARGET USER



TOURISTS

STUDENTS

COMMUNITY

EDUCATIONAL



5 SMK BUKIT SAUJANA
A place for high schooler in Port Dickson to study.



6 SK PANGLIMA ADNAN
A place for elementary kids in Port Dickson to study.

COMMERCIAL



7 PASAR MALAM BATU 4
Tourists and residents of Jalan Pantai can go every saturday.

AGRICULTURAL



8 KENTO NATURE FARM
A place for tourists and residents of Jalan Pantai can get a supply of plants.

ANALYSIS

- There are many tourist activities around the site.

SYNTHESIS

- Tourists will go through the main route and visit the site.

GROUP MEMBERS : MUHD IMAN RAMADHAN (F2048) | ALIEF AIMAN (F1070) | MOHD NOOR ELYAS (F1056) | MUHAMMAD AIMAN (F1068) | DANISH HAIKAL (F1035) |
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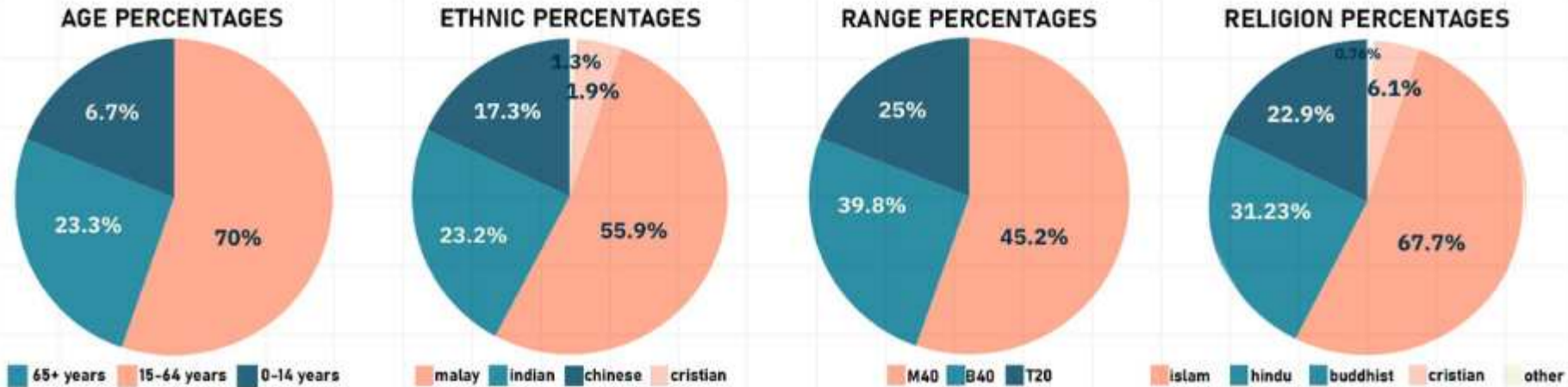
NEIGHBOURHOOD CONTEXT & HUMAN CULTURE

4.2 HUMAN & CULTURE

JALAN PANTAI, BATU 4 71050 PORT DICKSON, NEGERI SEMBILAN.

SITE ANALYSIS DCA40155 / DESIGN STUDIO 4

ART COMMUNITY CENTRE



ACTIVITIES WEEKDAYS	ACTIVITIES WEEKENDS
-business , work from home	-work at office or work place
-school, snocker, cycling	-swim and picnic at the beach
-spend time with family at home	-play water sport

ETHNICS	CELEBRATION
INDIAN	deevapali , thaipusam
CHINESE	chinese new year
MALAY	hari raya, raya haji
CRISTIAN	christmas

Range	House Type
B40	medium cost house types
T20	high cost house types
M40	low cost house types

MOSQUE
Many mosque were found so it was accesible to all mustim to perform prayer.

HINDU TEMPLE
Have 1 hindu temple were found near the site.

BUDDHIST TEMPLE
The roadside buddhist temple were found in 2km radius from the site.

CHURCH
Many church were found in 2km radius from the site.



S strength
Art Community buildings should be developed in this area because this area is a commercial area so the residents who are here will come here to try new activities such as any art activities .

w weakness
This area have different ethnics in the community surrounding, but there is no place for people gethering and participate in cultural activities to strengthen the unity among the races.

O oppurtunity
The community around the site consists of families, elderly and students. The proposed development of art community centre can be used by the community, students and tourists.

T threat
A group of variety ethnicity people with different cultures can cause few problems as some cultures can inappropriate for some people.

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NATURAL PHYSICAL FEATURES & MAN MADE FEATURES

4


MAN-MADE FEATURES


SITE ANALYSIS
DSB4B SESSION II : 2023/2024


ART CENTRE


MAN MADE INVENTORY


- 1. FENCING**
It can be used in property demarcation, security, privacy and aesthetic


- 2. GUIDANCE BLOCK**
The guidance block typically provide direction or assistance in specific contexts.


- 3. DIVIDER**
Divider serve to separate or partition space, creating distinct areas.

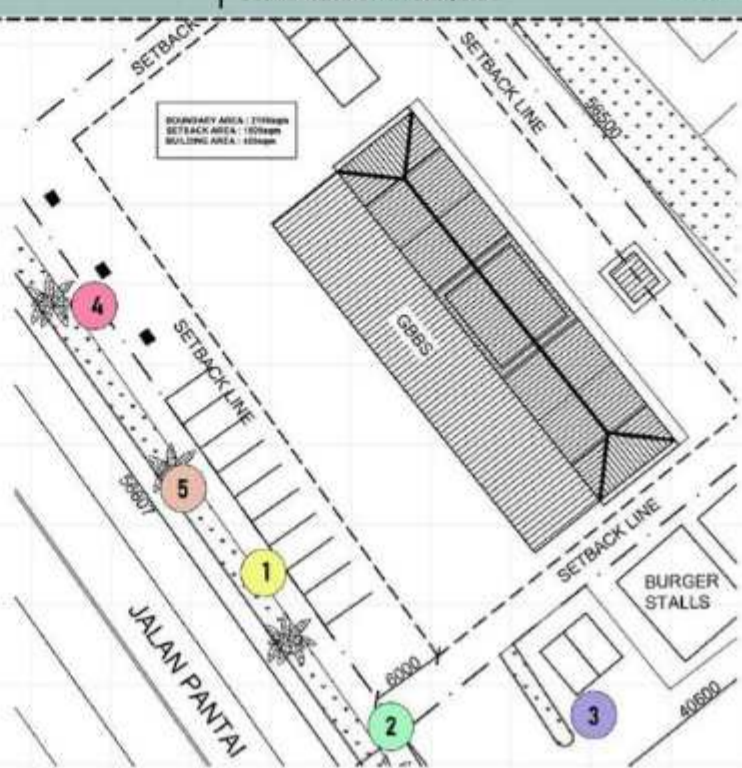

- 4. PEDESTRIANS**
To navigate and move from one place to another without the use of motorized vehicles.


- 5. STREET LIGHT**
The street light allows user to have a light coverage at a certain dark



MATERIALS

- 1. METAL**
fencing can be constructed from various material metal such as iron and aluminium.
- 2. TACTILE**
material guidance block often known as tactile, it can include rubber, or concrete.
- 3. CONCRETE**
commonly made of material like concrete it also provide strength and durability to enhance road safety.
- 4. BRICK**
concrete and brick referring to pedestrian related instructure like crosswalks or sidewalk.
- 5. STEEL**
made of material like steel, aluminium, cast iron for structural support.



SYNTHESIS

- S** Many service are provide to attract tourist sich as stall.
- W** lack of street light
- O** many signage that facilitate access to the site
- T** if this site abonded will be a parking lot

add more lamp post around the site to make it more bright to easy walk around.

GROUP MEMBERS : QAMARUL AZAM BIN SAHRUDIN (06DSB22F1045) MASS DIYAN SAHPUTRA BIN SUNARYO (06DSB22F1043) KHAIRUL NAJWA BINTI AZIZ (06DSB22F1054) NUR BAHYAH SAKINA BINTI SAZALI (06DSB22F1025) ARIESHA UMAIRA BINTI MOHD SHAMSUL (06DSB22F1027) HARISINI MACHAP DAS (06DSB22F1057)

LECTURER'S NAME : PUAN NORLIZA BINTI JOHAN | PUAN NORZALINA BINTI MD. YUSOP | PUAN MAHANIM BINTI ABDULLAH SADALI


5

MAN-MADE FEATURES


SITE ANALYSIS
DSB4B SESSION II : 2023/2024

ART CENTRE


SIGNANGE



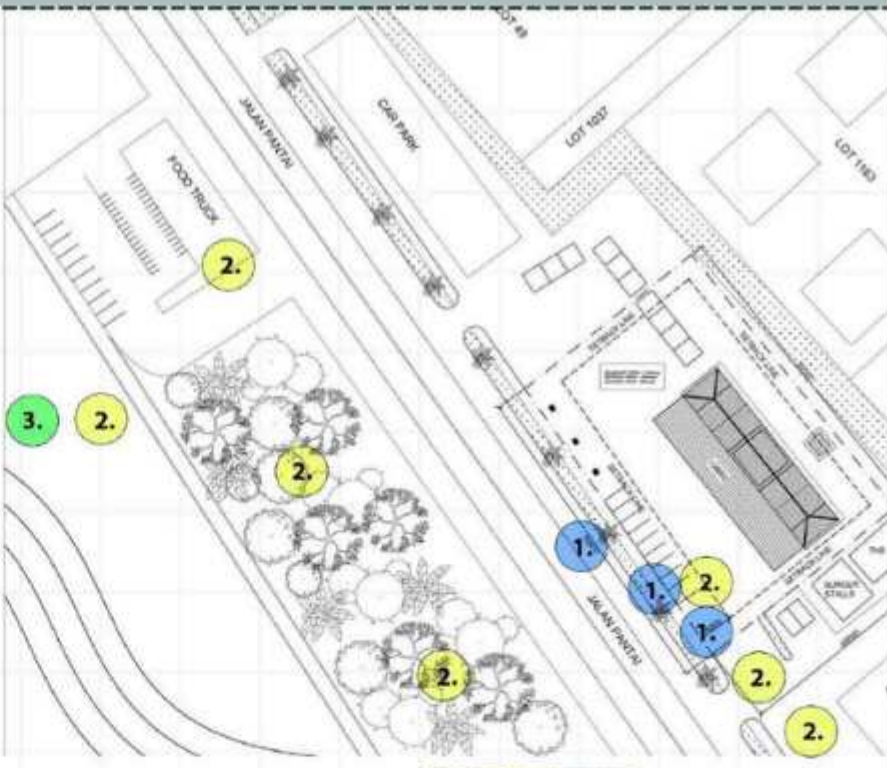
1) SIGN BOARD
To give information on the area and also give direction to the propose site.



2) GUIDE SIGN
Make it easier for people to access the road to the propose site.




3) LANDMARK
To convey information which able to assist the tourist.




FACILITIES


BUS STOP
Located near the site to allow people to travel from a place to another easily.




KIOSK
Located all along the beachside to allow people to buy food and goods.




PHONE BOOTH
Located near the site, it will help people to make phone calls on desperate times.



GAZEBO
Provide seating to people around. Allow them to rest and relax.



MC PARKING SPACE
A proper area to park motorcycles with OKU area



GROUP MEMBERS : KAMARUL AZAM BIN SAHRUDIN (F1045) MASS DIYAN SAHPUTRA BIN SUNARYO (F1043) MOHD NUR BAHYAH SAKINA (F1025) ARIESHA UMAIRA BINTI MOHD SHAMSUL (F1025) KHAIRUL NAJWA BINTI AZIZ (F1054) HARISINI MACHAP DAS (F1057)

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NATURAL PHYSICAL FEATURES & MAN MADE FEATURES

5 NATURAL FEATURES

SITE ANALYSIS

DSB4B SESSION II : 2023/2024

ART CENTRE

1 POKOK MAHOGANY

2 POKOK MANGGA

3 BATU METAMORFIK

4 POKOK KELAPA

5 POKOK SAWIT

6 POKOK ASIATICA

7 POKOK PISANG

ANALYSIS.

- RETAIN THE HISTORIC VALUES OF THE SIGNIFICANT TREE.
- LACK OF AROUND THE SIDE.
- ABANDONED GREEN SPACE CAN TURNED TO A BETTER GREEN SPACE FOR SOCIAL ACTIVITIES.
- SOME OF THE TREE OLDER AND DYING.

SYNTHESIS.

- PROVIDE MORE GREEN ELEMENT SUCH AS PALM TREE.
- PROVIDE NEW PLANTING TO CREATE A NEW FEELING,SENSE, AND NICE VIEW.

SWOT

S STRENGTH -DIVERSITY TYPES OF GREEN ELEMENT AT THE SITE

W WEAKNESS -THE PALM TREE INAPPROPRIATE AT THE SITE

O OPPOTURNITIES -USE THE BENEFIT OF LANDSCAPE INTO THE SITE CREATE CLENT INVIRONMENT

T THREATS -VISITORS INTERESTED FOR THE SITE BECAUSE LACK OF NATURAL FEATURES.

GROUP MEMBERS : QAMARUL AZAM BIN SAHRUDIN (F1045) MAS DIYAN SAHPUTRA BIN SUNARYO (F1043) HARISINI A/P MACHAP DAS(F1057) ARIESHA UMAIRA BT MOHD SHAMSUL (F1027) NUR BAHYAH SAKINAH BT SAZALI (F1025) KHAIRUL NAJWA BT AZIZ (F1054)

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4 NATURAL PHYSICAL FEATURES

SITE ANALYSIS

DSB4B SESSION II : 2023/2024

ART CENTRE

1 Crow

2 Eagle

3 Dog

4 Monkey

5 Mouse

ANIMALS ON SITE :

ANALYSIS :

- most of the animals in the area is predators and also scavengers that ate from leftover in the garbage
- scavengers makes huge mess at the garbage area

SYNTHESIS :

- Plan proper garbage or dispose area of the building .
- built garbage area with closed opening to counter the activities of the animals.

FOUNDATION :

RAFT FOUNDATION
Distribution of load is very suitable for peat land and any more. This would prevent from structural failure due to soil deposit or an soil movement.

ANALYSIS :

- soil deposit may causes building structure to fail

SYNTHESIS :

- use suitable foundation and material according to the ground condition

TYPE OF SOILS

1. LATERITE SOIL
Common type of soil in Malaysia and it has poor fertility as it contains high clay makes it easily cracks due to high temperature above the top surface.

2. SAND
Excellent drainage capability but bad for fertility and low water holding capacity. Building foundation would be challenging as its sensitive in vibration and will erode away.

ANALYSIS :

- risk of stagnat water
- risk of getting muddy
- uneven ground cover may conduct to dusty air

SYNTHESIS :

- add a layer of gravel or plant suitable ground cover that has low maintenance and extreme resistance such as heat

S the topography of the site is flat and also suitable for building to be constructed

O proposed site has no tree or natural landscape allowing developers to design their own landscape in lower cost.

W Uneven ground cover plants could lead to dust in air.

T Scavenger animals could make a mess in garbage area and also destroys landscape .

GROUP MEMBERS : MAS DIYAN SAHPUTRA BIN SUNARYO (F1043) QAMARUL AZAM BIN SAHRUDIN (F1045) HARISINI A/P MACHAP DAS (F1057) NUR BAHYAH SAKINAH BT SAZALI (F1025) KHAIRUL NAJWA BT AZIZ (F1054)

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Architecture
Design
Exhibition:
Studio 4



PRE
SENTATION

SALUAK ART COMMUNITY CENTRE

Nur Qistina Binti Ros Azman

SALUAK ART COMMUNITY CENTRE

NUR QISTINA BINTI ROS AZMAN



SALUAK ART COMMUNITY CENTRE



INTRODUCTION

The art community centre is a that connects the locals with apparel professionals and their artworks.

The art community centre is proposed with the idea of strengthening the bond between the community members to better uplift and introduce the culture.

The art community centre is proposed to be located at Batu 4 as the main attraction of Port Dickson.

AIM

To propose the design of an art community centre that bridges connection based on linkages concept.

OBJECTIVES

To organise main spaces such as exhibition gallery and studio based on clustered organisation.

To apply repetition motifs on facades to symbolise "saluak berantai" pattern.

To utilise green design strategies such as natural lighting for energy saving and sustainability.

ISSUES



Port Dickson lacks community centre that bridges connection, which makes it especially hard for the cultural apparel to be introduced massively.

Urban area like Batu 4 has limited green space which makes it hard to implement the use of green technology.

The existing site is usually congested due to the lack of direct circulation.

USER STUDY



Community including tourists should have an easy access in getting accustomed with the local culture.



Aspiring professionals need a platform to enhance their skills before taking off into the industry.



Students need to be exposed to the cultural apparel in order to pique their interest in joining

IDEA & CONCEPT DEVELOPMENT



MINANGKABAU SONGKET

Motifs on Minangkabau songket conform both to their philosophy of the natural world, and their folklore, steeped in traditional wisdom.



SALUAK BERANTAI

The pattern is derived from Minangkabau songket which signifies strength within community.



BOND

A collection of two groups within the community are made.



INTEGRATION

These groups are unified through a direct linking.



CONNECTION

More groups within the community are linked.

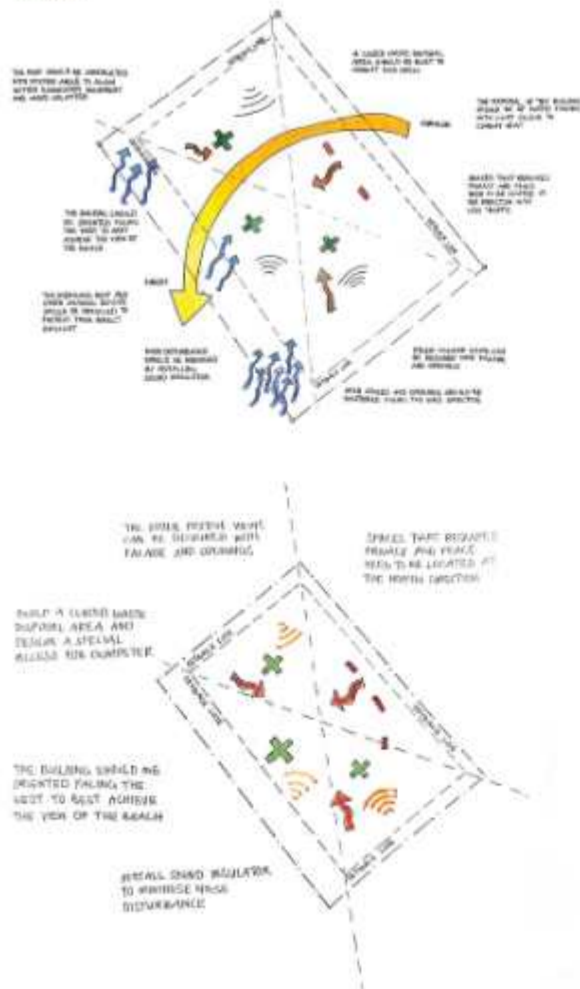


LINKAGES

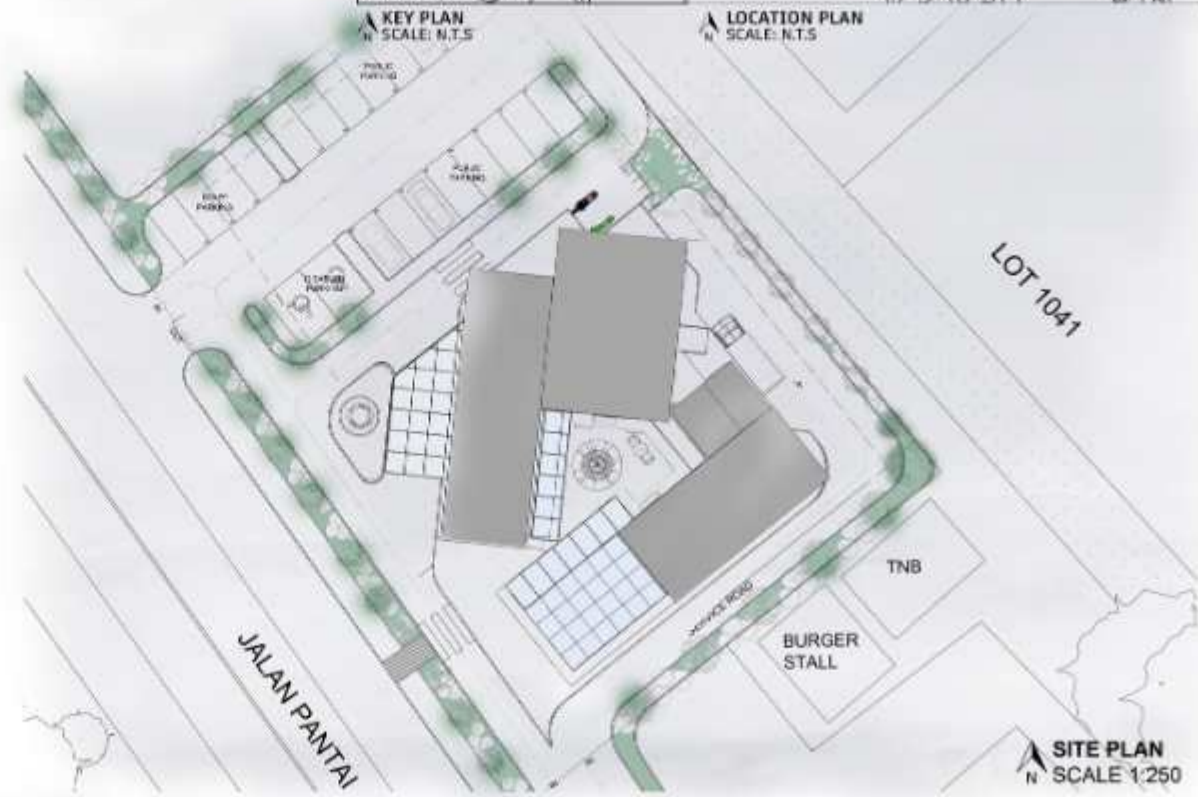
The interconnection between multiple group of communities create

SITE ANALYSIS

CLIMATE



BOUNDARY AREA: 2198 SQM
SETBACK AREA: 1509 SQM
BUILDING AREA: 400SQM



SALUAK ART COMMUNITY CENTRE

NUR QISTINA BINTI ROS AZMAN

PRECEDENT STUDY

UR-MU ART GALLERY, MALAYSIA



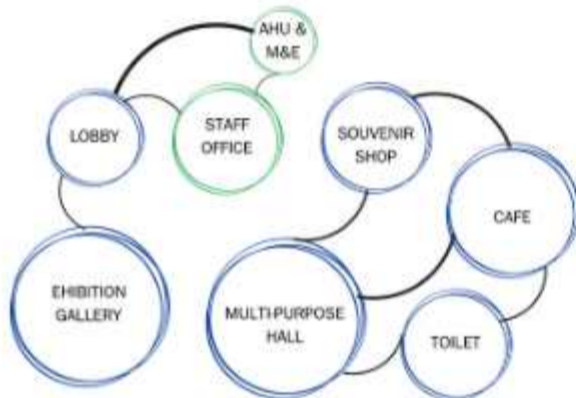
The use of glazing wall as a facade inspires my own design by creating a seamless connection between indoor and outdoor spaces, allowing natural light to flood the interior, and enhancing the modern aesthetic with sleek, transparent surfaces that promote energy efficiency and a sense of openness.

INZHOU STADIUM, CHINA



The use of curved steel frame as its trusses surely gives inspiration for the design of my roof. The steel helps in giving modern curvature look to the building.

SPATIAL PLANNING

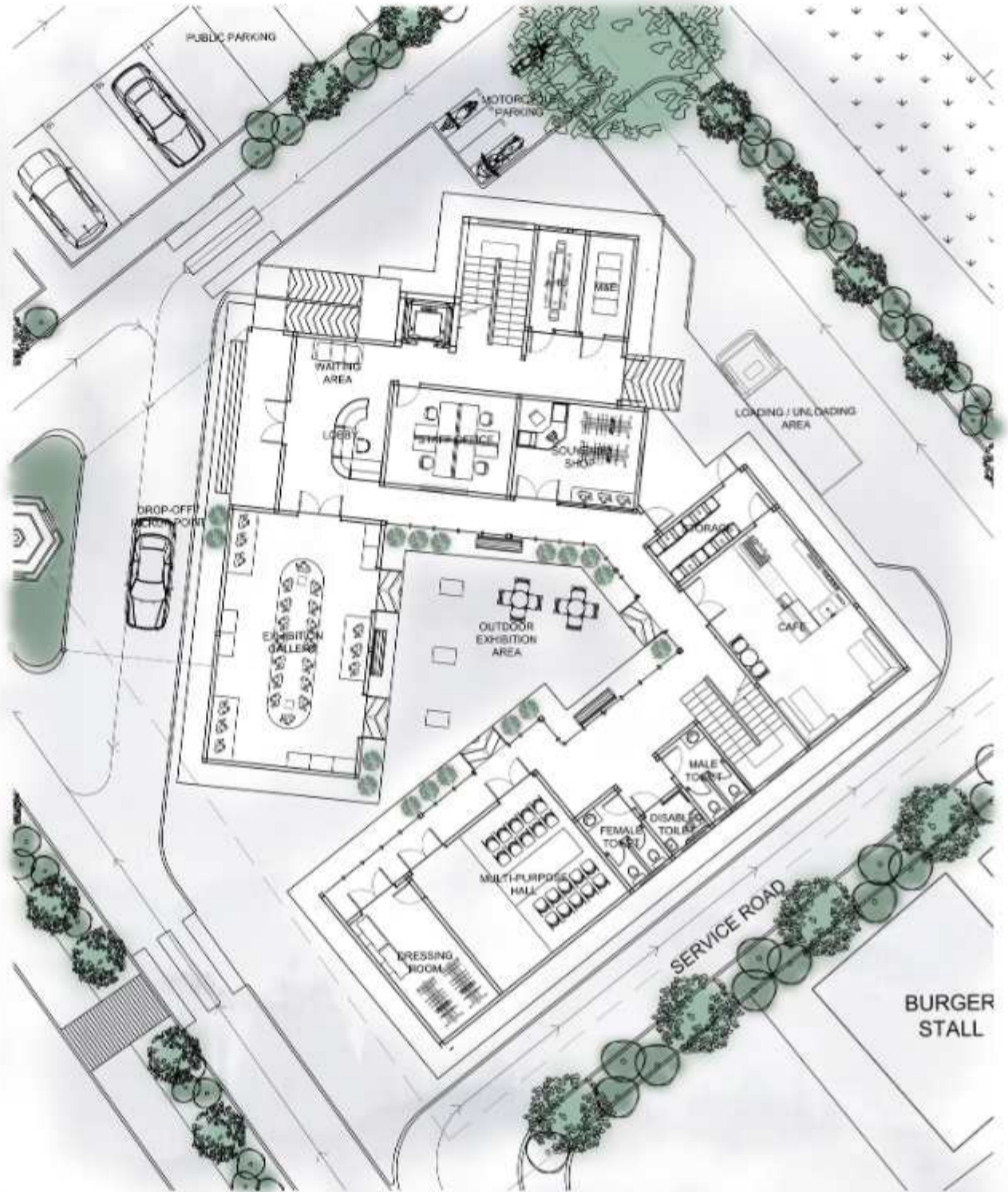
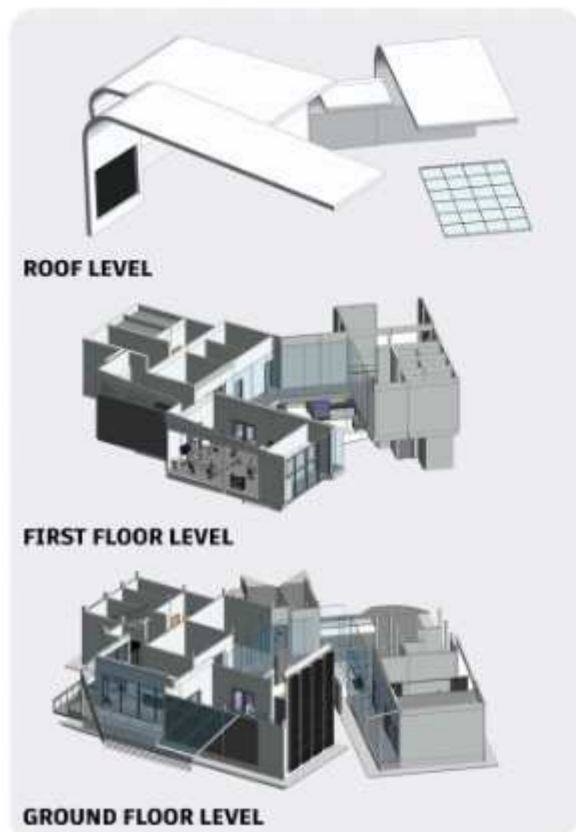


GROUND FLOOR PLAN

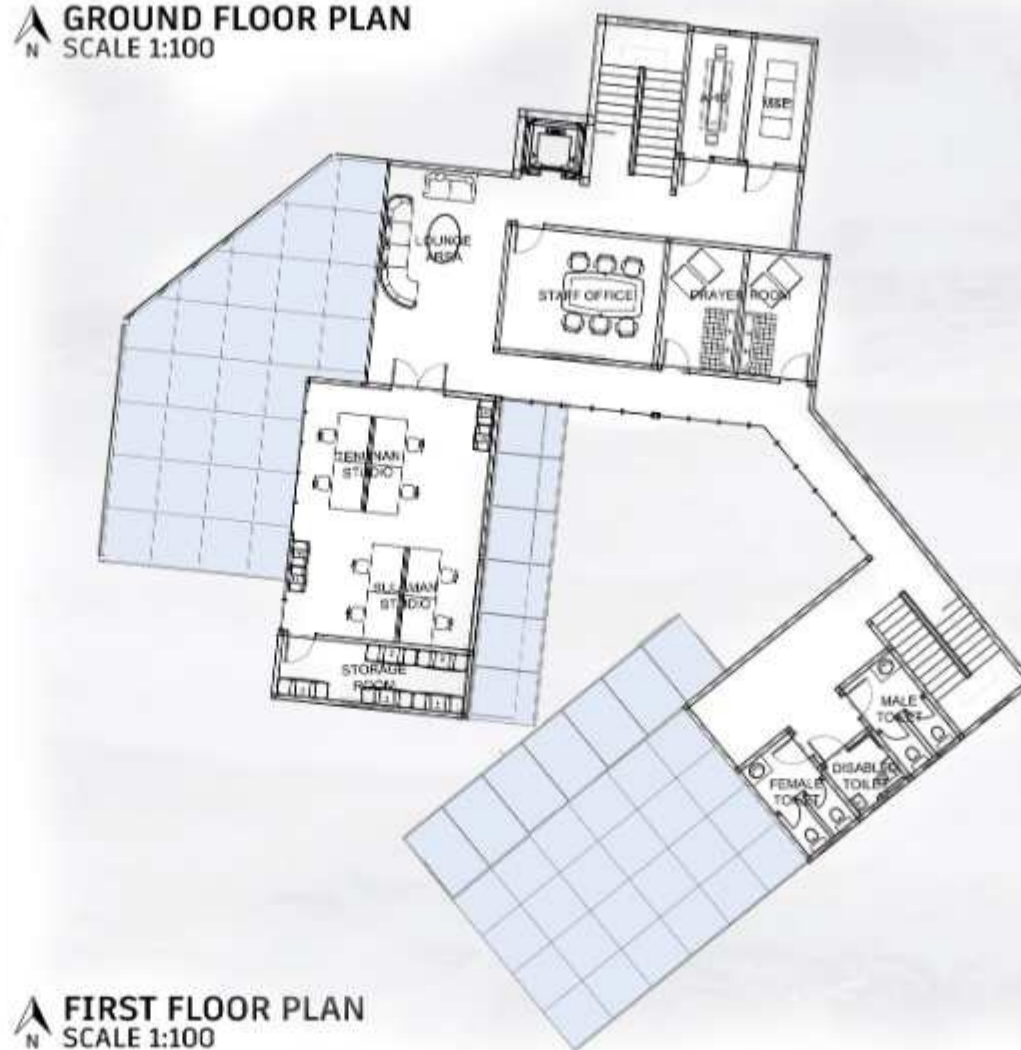


FIRST FLOOR PLAN

EXPLODED VIEW



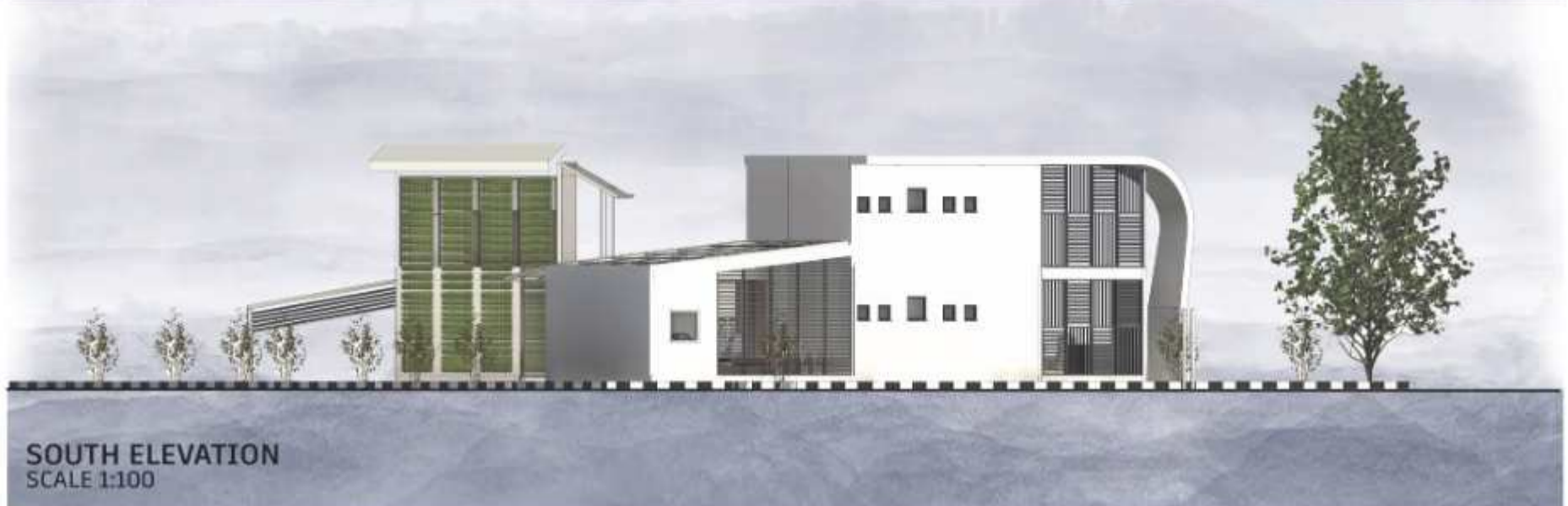
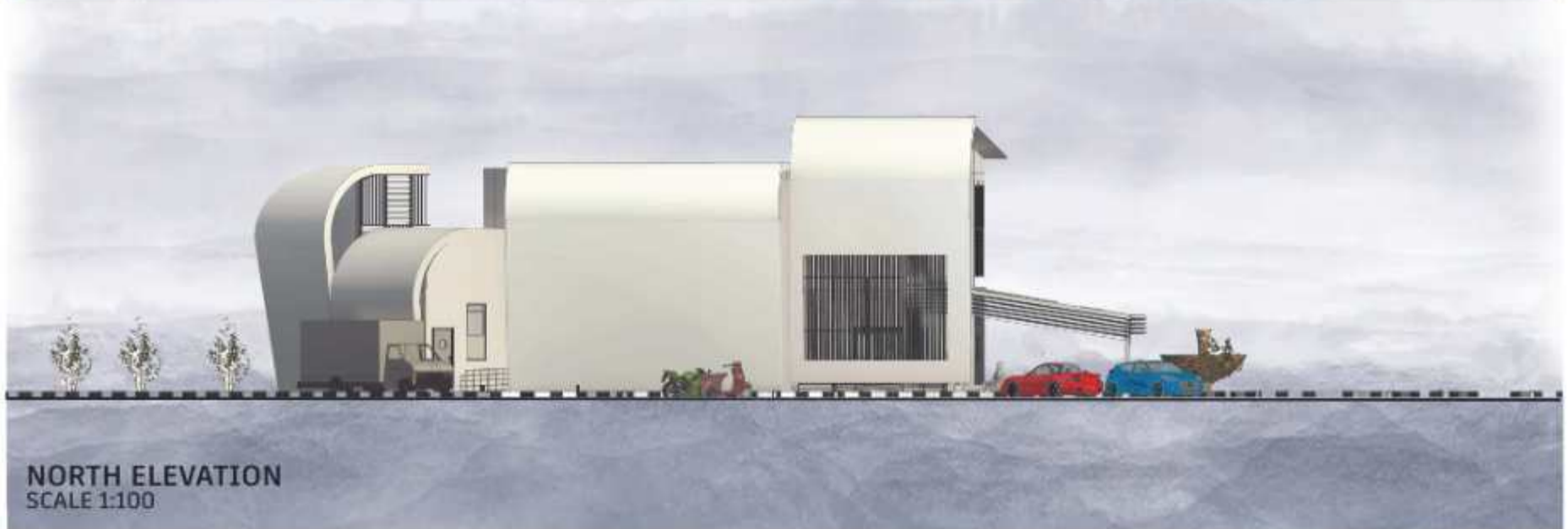
GROUND FLOOR PLAN
SCALE 1:100



FIRST FLOOR PLAN
SCALE 1:100

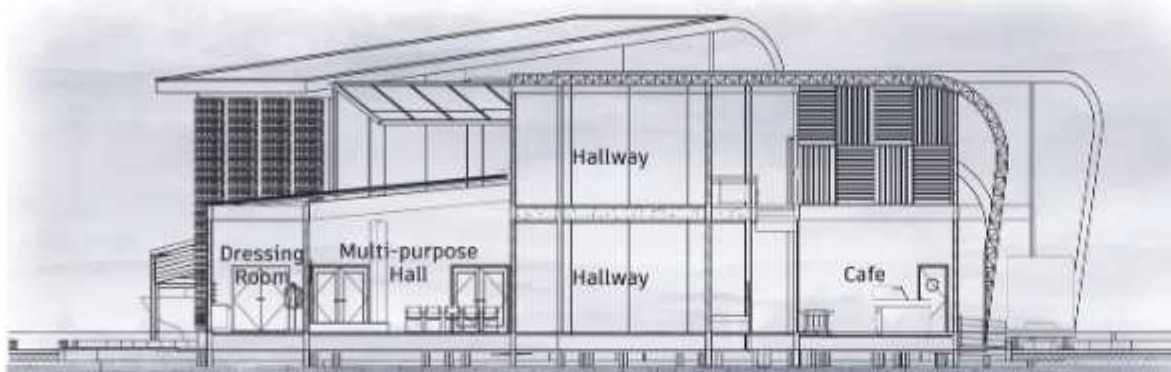
SALUAK ART COMMUNITY CENTRE

NUR QISTINA BINTI ROS AZMAN

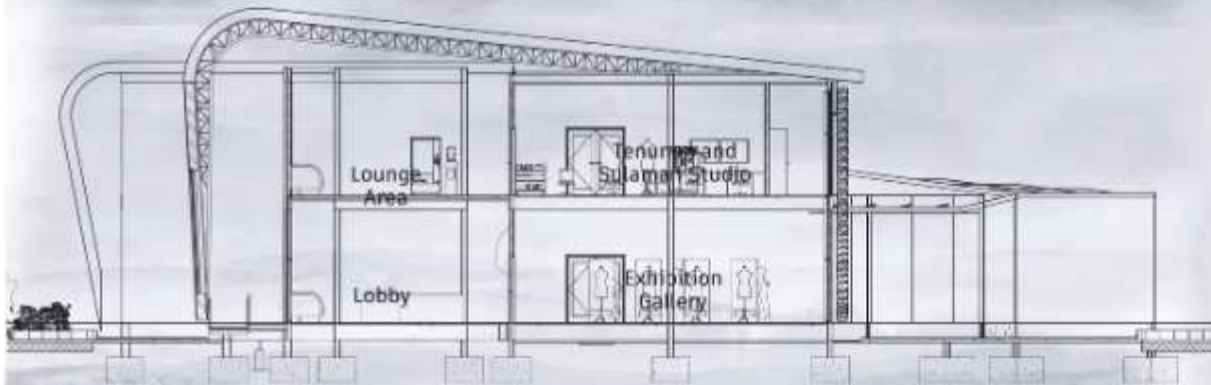


SALUAK ART COMMUNITY CENTRE

NUR QISTINA BINTI ROS AZMAN



SECTION A-A
SCALE 1:100

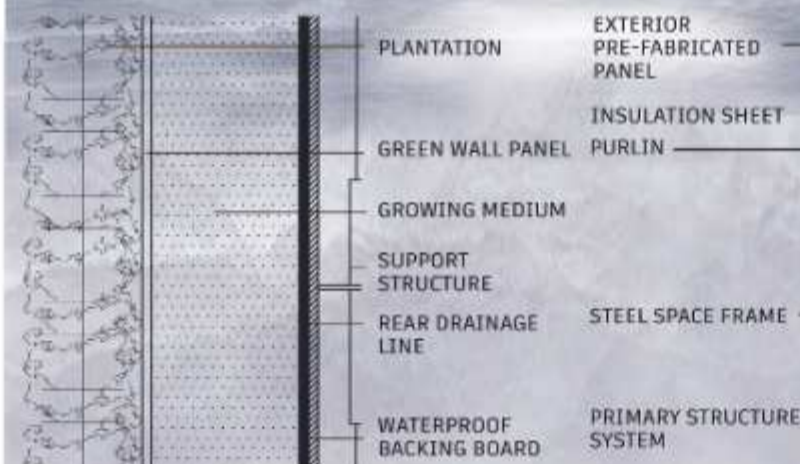


SECTION B-B
SCALE 1:100

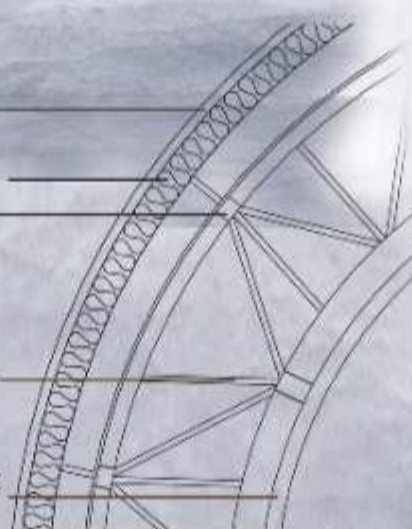
ROOF CONSTRUCTION:
- STEEL SPACE FRAME
- STEEL PURLIN
- EXTERIOR PRE-FABRICATED PANEL

150MM THK BRICK WALL WITH 20MM PLASTER ON BOTH SIDES

FLOOR CONSTRUCTION:
- 50MM THK SQUARE MOSAIC
- 100MM THK CONCRETE SLAB
- 540MM X 150MM CONCRETE GROUND BEAM
- 1500MM X 1500MM PILE CAP FOUNDATION



GREEN WALL DETAIL
SCALE 1:10



ROOF STRUCTURE DETAIL
SCALE 1:10

TYPICAL SECTION
SCALE 1:25



CAFE



EXHIBITION GALLERY



SULAMAN AND TENUNAN STUDIO



MULTI-PURPOSE HALL

NUR QISTINA BINTI ROS AZMAN | 06DSB22F1064 | DCA40155 DESIGN STUDIO 4 | PN. NORLIZA BT JOHAN | PN. MAHANIM BT ABDULLAH SADALI | PN. NORZALINA BT MD YUSOP

SALUAK ART COMMUNITY CENTRE

NUR QISTINA BINTI ROS AZMAN



OUTDOOR EXHIBITION GALLERY

PICK-UP/DROP-OFF ENTRANCE

SUSTAINABLE DEVELOPMENT



GREEN WALL

The green wall provides temperature control and heat reduction as the plants are better at absorbing sunlight than reflecting it.



SPACE FRAMING

Space frame is a lightweight structure with short construction period and high adaptability. It also creates a smaller carbon footprint since it is made from recyclable materials.



CURTAIN WALL

Curtain wall promotes natural daylighting and helps in regulating heat transfer, potentially reducing long-term energy costs.



COURTYARD

A courtyard increases daylight and encourages natural ventilation by providing an area for warm air to escape the home.



NUR QISTINA BINTI ROS AZMAN | 06DSB22F1064 | DCA40155 DESIGN STUDIO 4 | PN. NORLIZA BT JOHAN | PN. MAHANIM BT ABDULLAH SADALI | PN. NORZALINA BT MD YUSOP

D'KARYA ART COMMUNITY CENTRE

Mas Diyan Sahputra Bin Sunaryo

D'KARYA ART COMMUNITY CENTRE

MAS DIYAN SAHPUTRA BIN SUNARYO



D'KARYA PERFORMANCE ART COMMUNITY CENTRE



KEY PLAN
SCALE : NTS



LOCATION PLAN
SCALE : NTS

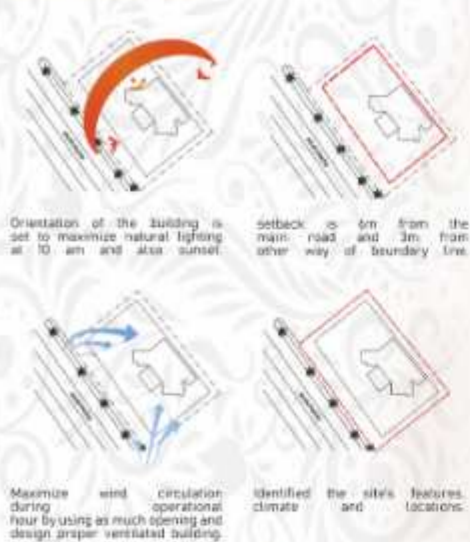
INTRODUCTION

D'KARYA is an art community centre that build purposely as gallery to display, promote and performing venue for traditional performing art such as Music, Dance and many more traditional identity of Negeri Sembilan's identity. Being an art community centre, D'KARYA will be a place for the visitors to bond together through various activity that could be held here at Pantai Batu 4, Port Dickson. The target audience is performing art enthusiast, tourist and also students.

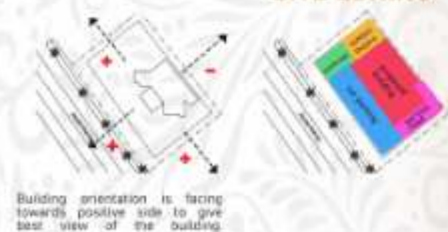
OBJECTIVE

1. To design all-aged performing art community centre to be able for enjoyed together.
2. To provide spaces that are offering knowledge of Negeri Sembilan heritage of performing art.
3. To cooperate green elements into sustainable design and became point of interest for global.

SITE ANALYSIS



SITE ZONING



ISSUE

1. Performance art are less highlighted in Negeri Sembilan.
2. Heritage exchange programme (Papatih Fest) are needed as it slowly disappear by time if not being promoted especially among newer generation. (Dato Mohd Faizal Ramli EXCO Warisan, Teknologi, Inovasi dan Digital Negeri Sembilan 7 Mac 2024
3. No Performing Art centre or gallery in Negeri Sembilan.

AIM

To propose performing art community centre that are comfortable, convinience and also modern to attract local and global visitors to spread Negeri Sembilan's heritage along with sustainable and green elements design.

CONCEPT

NATURAL-MINIMALIST STYLE.

IDEA / CONCEPT DEVELOPMENT



Single leaf is one of Negeri Sembilan's identity that symbolizes unity of Negeri Sembilan.



Use of the traditional performance is the voluntary traditional performance in Negeri Sembilan with their own traditional look and costumes.



Visual dynamic of all of the traditional performance is special with their own traditional feeling and mood.



5 Petais also surrounded by building 5 main spaces in the performance of community centre.

CASE STUDY



KUALA LUMPUR PERFORMING ART CENTRE
The use of curtain wall gives menacing and exclusive looks and the direct sunlight is countered, the use of green facade provide shading effect.



HOUSE OF MUSIC, ITALY
The use of wood as an acoustic layer also as natural reverber effect in certain areas helps with better sound quality especially in performance area.



SITE PLAN
NORTH SCALE 1 : 250

D'KARYA ART COMMUNITY CENTRE

MAS DIYAN SAHPUTRA BIN SUNARYO

SPATIAL DIAGRAM

GROUND FLOOR

- STORAGE
- KITCHEN
- FEMALE TOILET
- OKU TOILET
- MALE TOILET
- MGE
- AHU
- LOBBY
- EXHIBITION GALLERY
- JANITOR
- CAFETERIA
- SOUVENIR SHOP

FIRST FLOOR

- MINI AUDITORIUM
- OFFICE
- FEMALE TOILET
- OKU TOILET
- MALE TOILET
- ROOFTOP GARDEN
- OKU TOILET
- MALE PRAYER ROOM
- FEMALE PRAYER ROOM

GROUND FLOOR PLAN
Scale 1 : 100

FIRST FLOOR PLAN
Scale 1 : 100

SPACE OF ACCOMMODATION

NO.	SPACE	AREA (SQM)	NO.	SPACE	AREA (SQM)
1	LOBBY	75	1	MINI AUDITORIUM	35
2	SOUVENIR SHOP	31.5	2	OFFICE	11
3	TOILET	20	3	TOILET	20
4	CAFETERIA	35	4	STUDIO	24
5	MGE, AHU	16.0	5	MGE, AHU	15.8
6	STAIR, LIFT	17	6	STAIR, LIFT	17
7	FIRE ESCAPE STAIR	11	7	FIRE ESCAPE STAIR	11
8	EXHIBITION GALLERY	31	TOTAL AREA FIRST FLOOR		144
9	JANITOR	3	TOTAL AREA		365
10	STORAGE	5			
TOTAL AREA GROUND FLOOR		234			

MATERIAL CONSIDERATION

TERRACOTTA
HIGH THERMAL MASS MATERIAL THAT IS USED WIDELY AS VENTILATION BLOCK AND BECAME A GOOD ALTERNATIVE OF BUILDING SKIN THAT OFFERS AESTHETIC VALUE OF THE BUILDING.

STEEL STRUCTURE
STEEL KNOWN FOR ITS DURABILITY AS SUPPORT FOR CERTAIN PART IN THE BUILDING. PLUS, ITS ALSO EASY TO WORK WITH AND ALSO AESTHETIC DEPENDING FROM THE FINISHES.

WOOD
THE USE OF WOOD PRODUCT AS LDUVERS AND TRUSS IS TREATED. THE DURABILITY AND AESTHETIC VALUE IS DETERMINED BY THE FINISHES AND ITS ALSO CAN BE FABRICATED IN NEARLY INFINITE SIZES AND VARIATIONS.

VIEW FROM MINI AUDITORIUM

VIEW FROM EXHIBITION GALLERY

VIEW FROM WALKWAY

D'KARYA ART COMMUNITY CENTRE

MAS DIYAN SAHPUTRA BIN SUNARYO



FRONT ELEVATION
SCALE 1 : 100



REAR ELEVATION
SCALE 1 : 100



VIEW EXTERIOR (RIGHT)



VIEW FROM ROOFTOP GARDEN



VIEW EXTERIOR (FRONT)

EXTERIOR PERSPECTIVE

D'KARYA ART COMMUNITY CENTRE

MAS DIYAN SAHPUTRA BIN SUNARYO



REAR ELEVATION
SCALE 1 : 100



LEFT ELEVATION
SCALE 1 : 100



VIEW FROM LOBBY



VIEW FROM EXHIBITION GALLERY

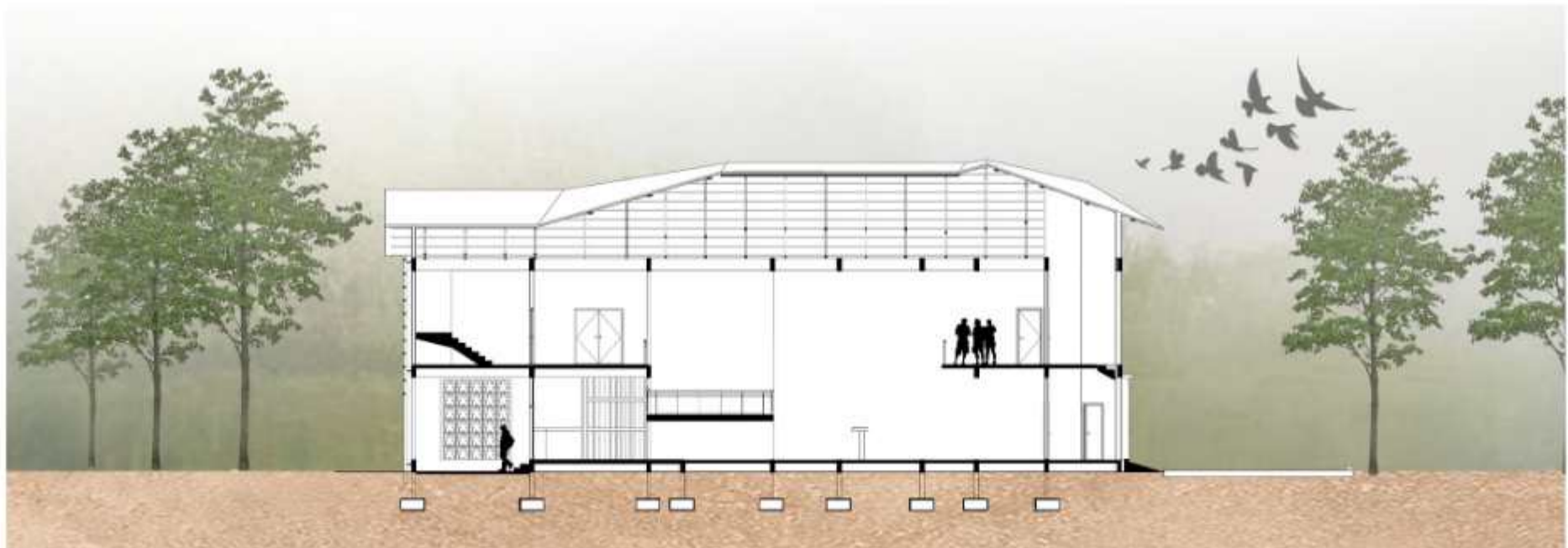


VIEW FROM CAFE

INTERIOR PERSPECTIVE

D'KARYA ART COMMUNITY CENTRE

MAS DIYAN SAHPUTRA BIN SUNARYO



SECTION A - A
SCALE 1 : 100



SECTION B - B
SCALE 1 : 100

GREEN APPROACH :

ROOFTOP GARDEN



Works as chill area on top of an building also a great alternative to maximize space at desired floor.

BRIGHT COLOURED EXTERIOR



Low-cost green design where bright colour works as sun-reflectant to reject much heat to the building.

SECONDARY SKIN



Shading device to minimize the direct sunlight from entering the building also a facade treatment that made of terracotta.

WOOD LOUVERS



Shading device to minimize the direct sunlight from entering the building also a facade treatment that made of wood and steel.

VERTICAL GREEN SKIN



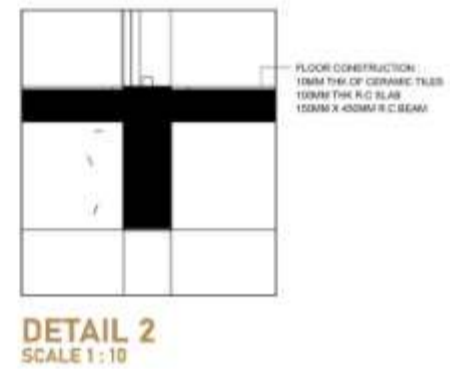
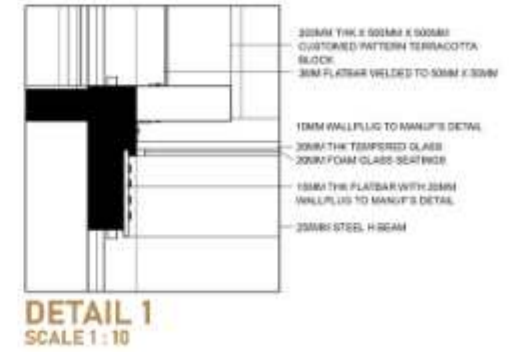
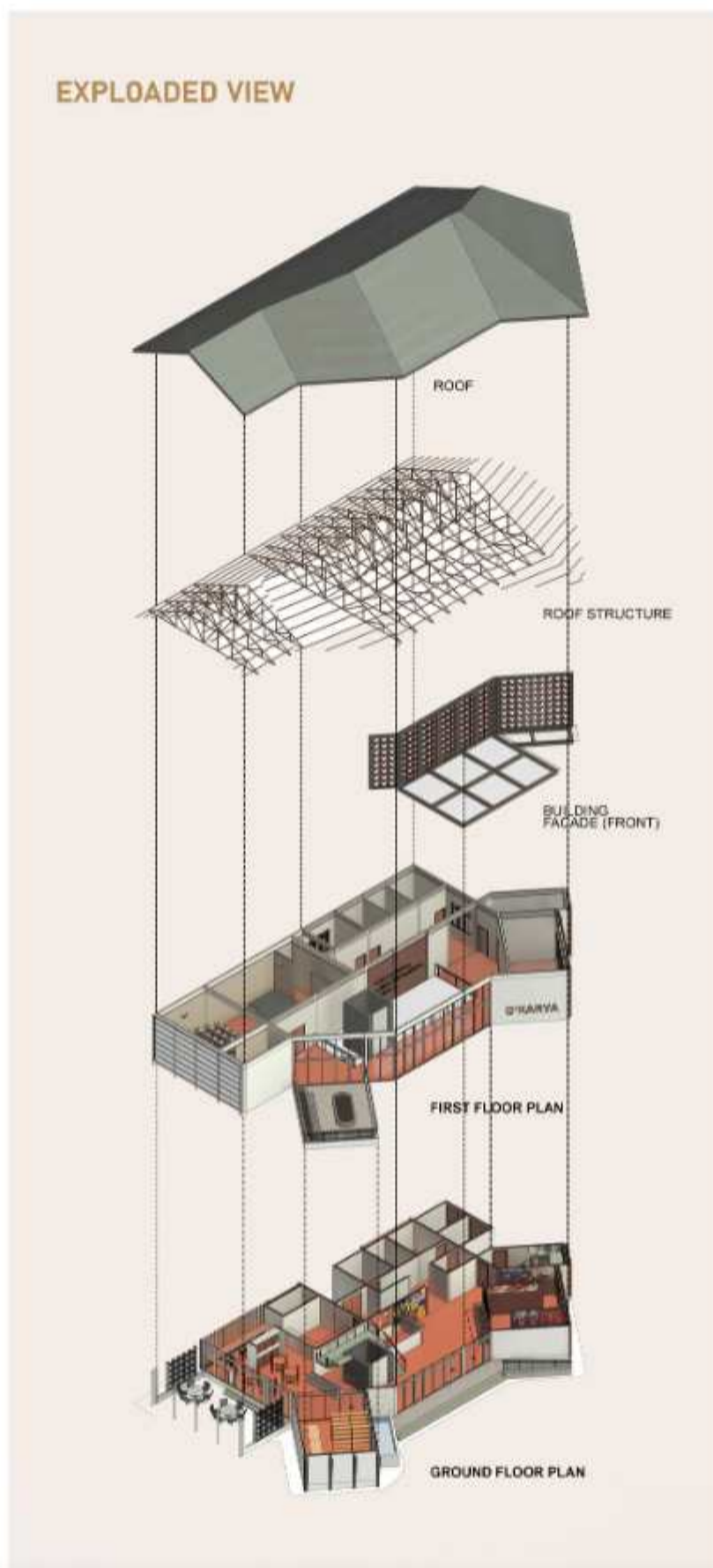
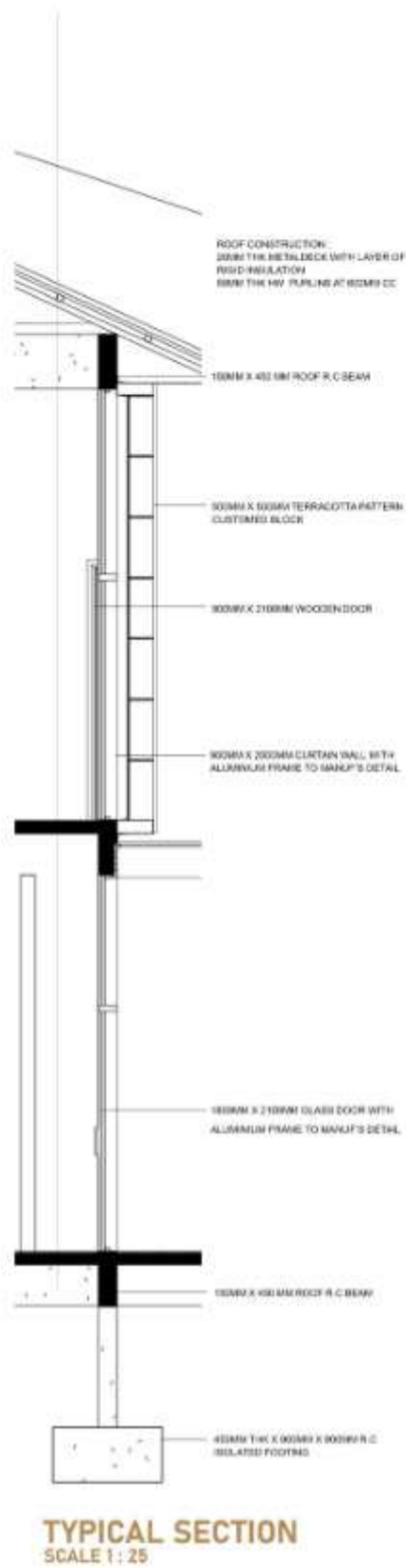
Shading device to minimize the direct sunlight from entering the building also a facade treatment that made of wood and plants.



SECTIONAL PERSPECTIVE
SCALE N.T.S

D'KARYA ART COMMUNITY CENTRE

MAS DIYAN SAHPUTRA BIN SUNARYO



BUILDING COLOUR :



- WEATHERBOND PEWTER GREY NP N 1978 P
- D-GLO PAINTED FRAME NP N 1904 A



RANJUNGAN ART COMMUNITY CENTRE

Ahmad Holil Bin Rusman

RANJUNGAN ART COMMUNITY CENTRE

AHMAD HOLIL BIN RUSMAN

RANJUNGAN COMMUNITY ART CENTRE

DESIGN STATEMENT

Ranjungan Hub is the building that inspired by the graceful form of the crab, the building's architecture reflects both its function and its environment. The curved, organic lines of the structure mimic the gentle contours of the crab's shell, creating a harmonious blend with the coastal landscape.

The building's layout is designed to maximize natural ventilation, taking full advantage of the sea breeze to create a comfortable and inviting atmosphere. Large windows and open spaces allow for plenty of natural light, further enhancing the connection with the outdoors.

As a community center, the Ranjungan Hub is a place for people to come together, share ideas, and celebrate art and culture. The art gallery showcases local talent, while the mini auditorium hosts performances and events that enrich the cultural life of the community.

CONCEPT

- Utilizing a constant breeze from nearby coast or beach into the building.
- Applying local essences into the building such as sea creatures.
- Adding Green Tech element at the building to prevent building affected by sites extreme temperature.

ISSUE

SITES
Located near main road and easily accessed but heavily jammed during rush hours.

USERS
Lacks of engagement due to limited event that attracts visitor to participate.

BUILDINGS
Space building that not flexible for arts and accomodating many visitor at one time.

AIM

Propose an Art Community Centre for tourist and youngster with Good Natural Lighting and a have Balance between Cool and Warm air inside the building

The Art Community Centre will be applied a local concept with touch of modernized facades and called modern vernakular concept.

OBJECTIVES

GOOD NATURAL LIGHTING
Proposed side is facing majority positive view with a very good lighting from sunset and site facing road with a west-east sun path.

BALANCE COOL-WARM AIR
Utilizing the direct wind direction from Selat Melaka and sites good position located near to the beach.

LOCAL AND MODERNIZE CONCEPT
Local concept comes from site state which full with cultures and customs also for a modernize design of local cultures to attract more youngsters and foreign tourists to come and visit the Art Community Centre.

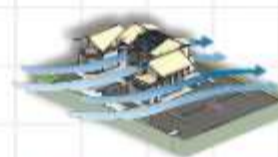
SITE ANALYSIS



VIEW FROM MAIN BUILDING
Positive view toward Pantai Saujana play an important part in having a good time while in Ranjungan Art Centre. Thus, facing positives view such Pantai Saujana, Food Stalls and Merchandise Store offered for tourist.



SUN PATH & BUILDING ORIENT
Orientate the house east-west to ensure a long side to face the sun. Minimising east and west facing walls and windows reduces excessive summer heat gain.

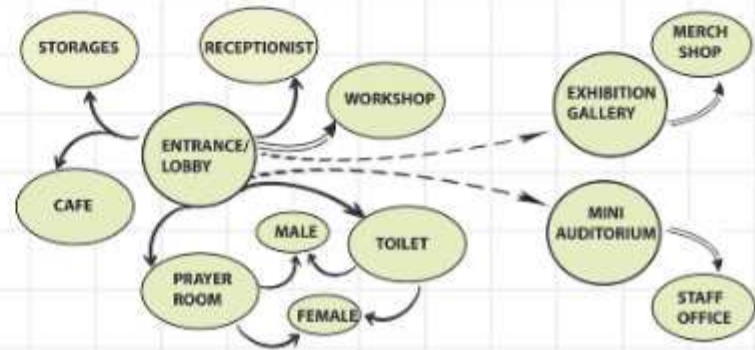


WIND FLOW DIRECTIONS
The side faced by main building received the most of excessive wind flow from nearby beach and can be utilize the sea breezes came from multiple direction of the beach.



SENSORY OF HUMAN SENSE
Ranjungan Art Centre has harnessed the benefit of good smells and sounds come from the west side of the site and successfully achieving a sensory-friendly for visitors while considering the differents of age and gender.

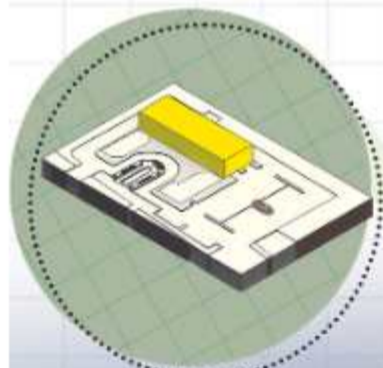
SPATIAL DIAGRAM



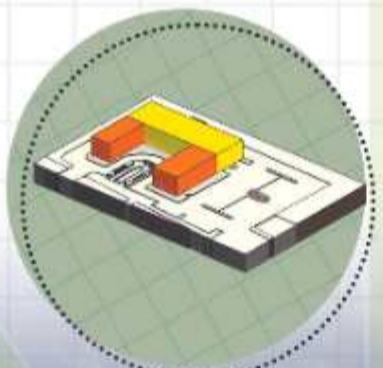
TARGET USERS



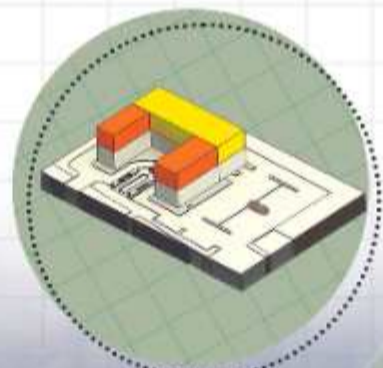
IDEA DEVELOPMENT



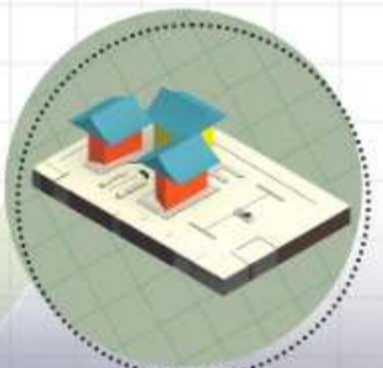
FIRST GORM OF RANJUNGAN ART CENTRE.
Created according to site's sun path to make sure the sun orientation wont affected the building so much that will disturbing visitors comfort.



SECOND FORM OF RANJUNGAN ART CENTRE.
A sub building has added to improve the sun path orientation by having a shade caused by the sun and shading the drop of for visitor when sun shine brightly.



THIRD RANJUNGAN ART CENTRE.
A sub of mainbuilding solely to accommodate a large number of visitor while making sure they are not suffocated or uncomfortable. This extra level also enabling visitor to have a good views of Saujana Beach located infront of Ranjungan.

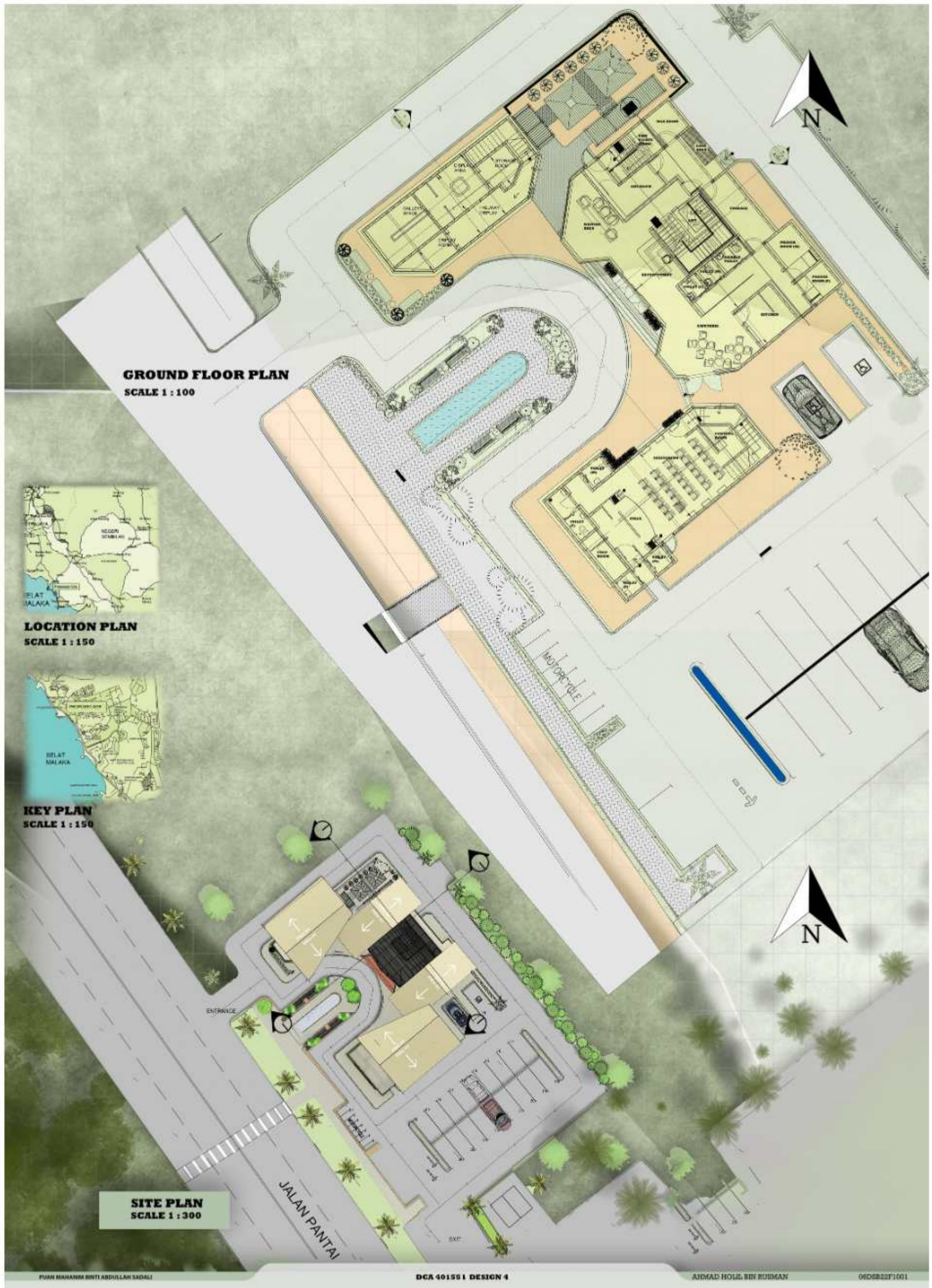


ROOF OF RANJUNGAN ART CENTRE.
A pitch roof is properly installed to create a sense of locality while stay for modernize style according to the concept of this building which is Modern Vernakular Art Center.



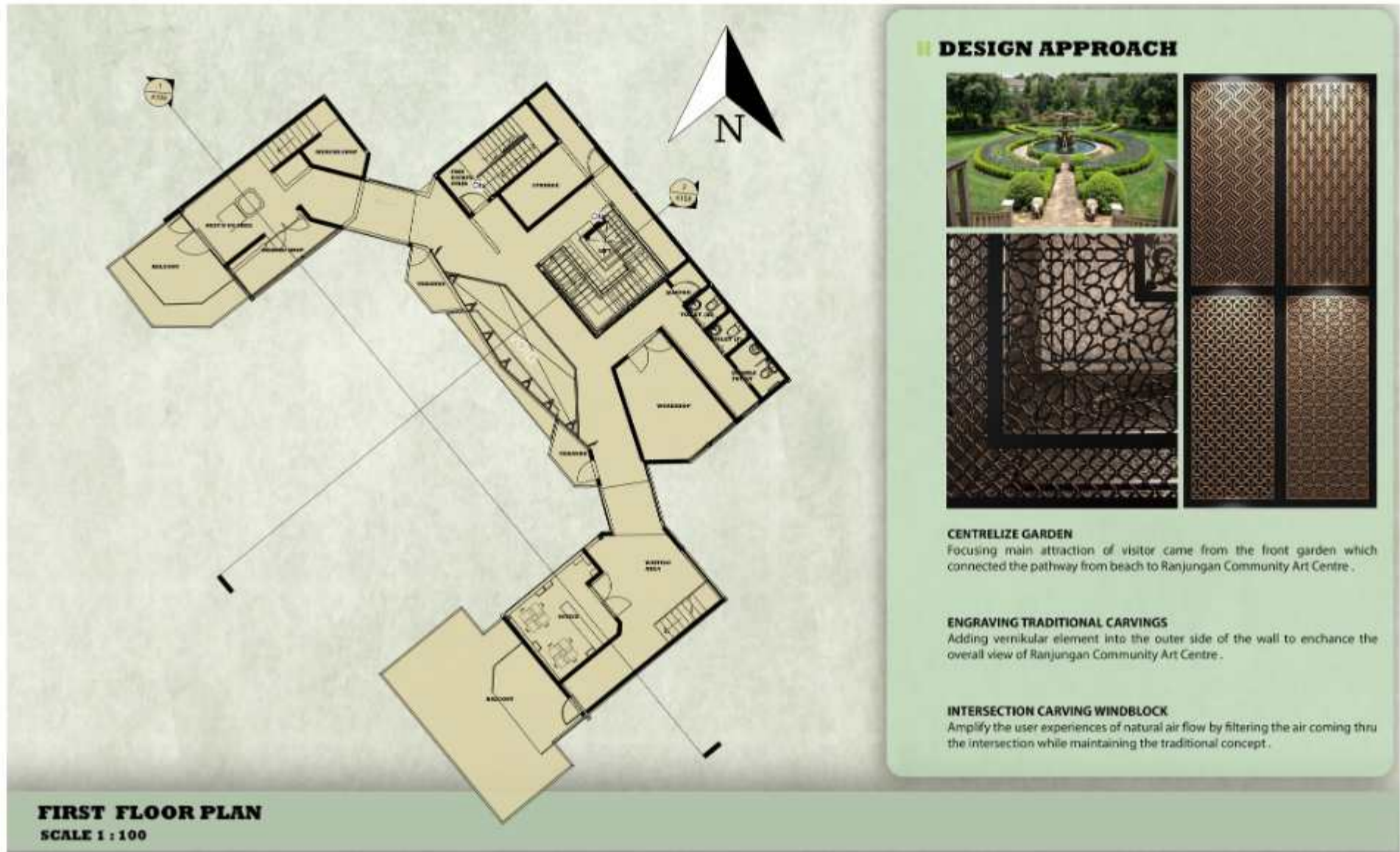
RANJUNGAN ART COMMUNITY CENTRE

AHMAD HOLIL BIN RUSMAN



RANJUNGAN ART COMMUNITY CENTRE

AHMAD HOLIL BIN RUSMAN



RANJUNGAN ART COMMUNITY CENTRE

AHMAD HOLIL BIN RUSMAN



SECTION A - A
SCALE 1 : 100



SECTION B - B
SCALE 1 : 100



VIEW FROM VERANDA



VIEW FROM YARD



VIEW OF AUDITORIUM



VIEW FROM STREETS



PUAN MAHAMIM BINTI ABDULLAH SADALI

DCA 401551 DESIGN 4

AHMAD HOLIL BIN RUSMAN

0608822F1001

RANJUNGAN ART COMMUNITY CENTRE

AHMAD HOLIL BIN RUSMAN



LEFT ELEVATION
SCALE 1 : 100



RIGHT ELEVATION
SCALE 1 : 100

CHARACTERISTICS

Highlighting the traditional architecture in Malaysia based on the context of the site's uniqueness, practically and emphasize a distinguishing feature or quality that defines the nature, identity, or typical attributes of Vernacular concept into the Community Art Centre.



MINANG KABAU ROOF

This roof is characterized by exaggerated curved roof ridges that resemble buffalo horns, reflecting the central role of buffalo in Minangkabau culture and also allows for natural ventilation, keeping the interior cool in the tropical climate. The buffalo horn shape is believed to symbolize strength, resilience, and prosperity, reflecting the values of the Minangkabau society.



SERAMBI / ANJUNG

The serambi also reflects the values of openness which also an open design encourages connections with the surrounding environment and fosters a sense of inclusivity, inviting neighbors and passersby to join in the activities taking place within.



WIND BLOCK

Wind blocks are designed with strategic openings or gaps that allow for the passage of air. This feature helps to regulate the airflow within the house, promoting natural ventilation and cooling which is crucial in the tropical climate such as Malaysia.



FRONT YARD / GARDEN

Front yard area which fulfilling the requirement of having a stone or wooden pathway leading from the entrance gate to the front steps of the house. A well-maintained garden with a variety of tropical plants, flowers, and trees.

VIEW FROM CORNER OF THE BUILDING



VIEW TOWARDS MAIN ENTRANCES



VIEW FROM REAR OF THE BUILDING



RANJUNGAN ART COMMUNITY CENTRE

AHMAD HOLIL BIN RUSMAN

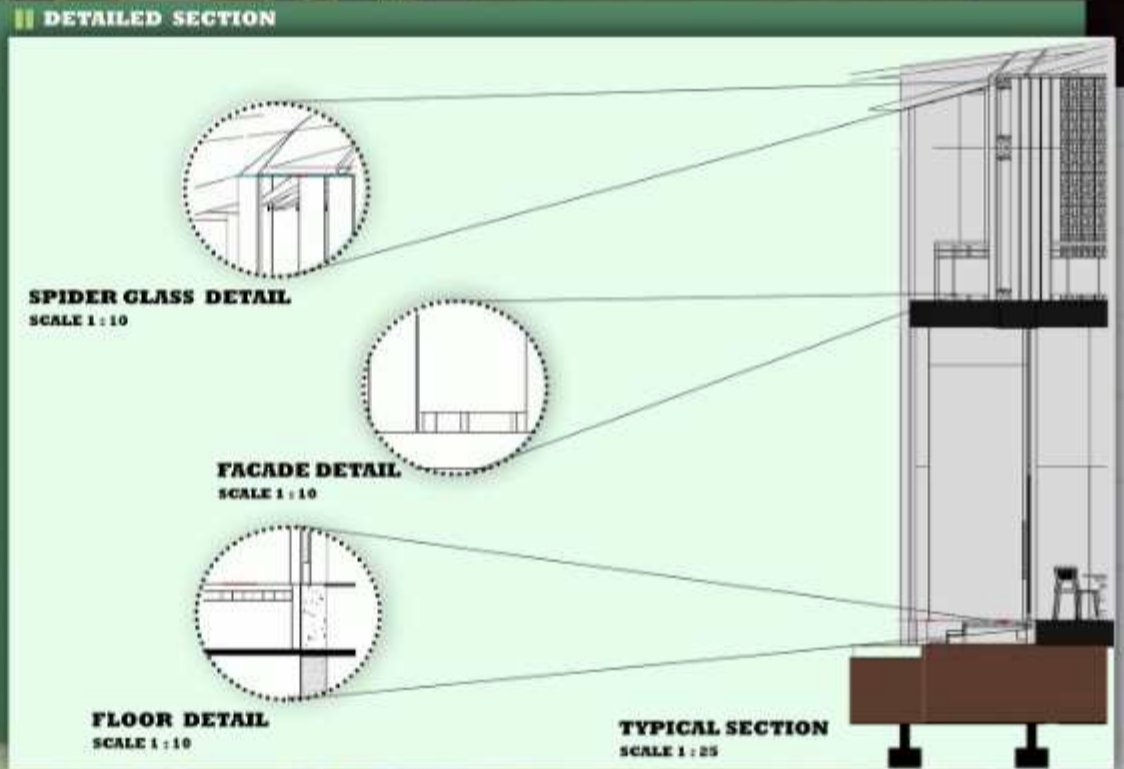
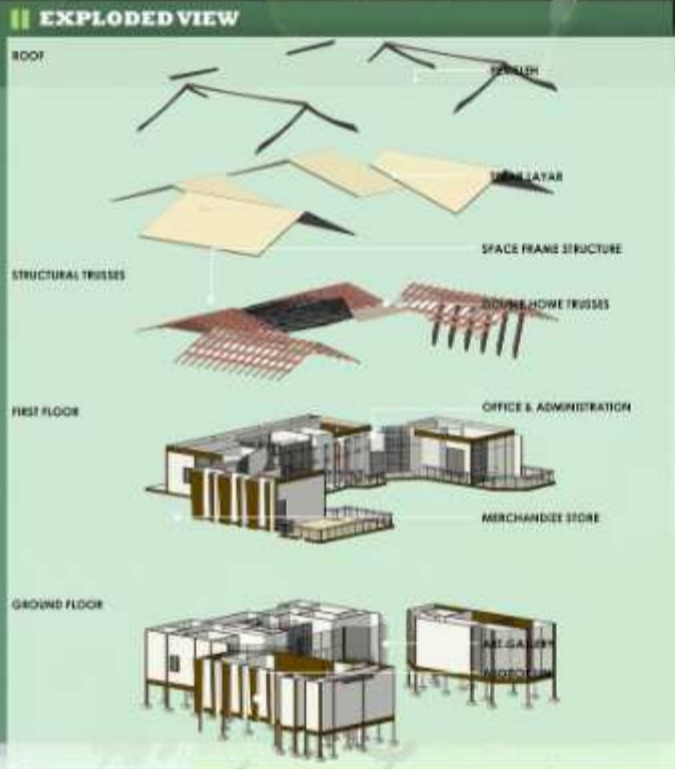


PASSIVE GREEN FEATURES

LONG EXTENDED OVERHANG ROOF
An Extended overhang solely for shading the building from sunlight and during rainy day.

2-LAYERED GLASS PANELS
Enhanced experiences can be gain from this glass panel since it will block outside noise and hot sunlight.

CENTRALIZED LANDSCAPE
Improves the visitor view came from nearby site by walking and adding a fresh vibes to Ranjungan Art Centre.



PUAN MAHANI BINTI ABDULLAH SADAM

DCA 40151 DESIGN 4

AHMAD HOLIL BIN RUSMAN

0608221001

THE RHYTHY ART COMMUNITY CENTRE

Ahmad Syamil Bin Ahmad Syakir

THE RHYTHY ART COMMUNITY CENTRE

AHMAD SYAMIL BIN AHMAD SYAKIR

THE RHYTHY N9



INTRODUCTION

To propose an art centre for all group of ages to move the rhythm of our heritage art and culture by designing an art centre that can attract the attention to all ages.

AIM

To propose a design of art centre that can move the rhythm of our heritage art and culture based on rhythm concept.

OBJECTIVE

- Making a design that can promote the rhythm of our heritage art and culture.
- Designing a building layout just like rhythm.
- Planting landscape between the rhythm of the building.

ISSUE

- There is no art centre that promotes the rhythm of our art and heritage.
- Making a research about traditional music of Negeri Sembilan.
- Proposed site has a high temperature because of the sunlight and located by the beach.

CASE STUDY



ROOF



GREEN WALL

A concrete material with a rhythm concept of roof, very strong and resistant to various external factors such as extreme weather, heavy rain, strong winds, and fire.

Green wall provided the natural insulation, reducing the need for air conditioning in the hot weather. They are also help filter pollutants and carbon dioxide out of the air. It is also give an aesthetic appeal for the building.

SITE ANALYSIS



CLIMATE

To apply facade and roof that points the Put a space that need a beautiful view to a sunlight so that the interior want get the positive view such as cafe, lobby and direct sunlight. In addition, planting trees courtyard. While the side with negative view to protect the building from direct could be placed with closed space and does sunlight.

VIEW

SENSORY

Filter out unwanted sounds by planting trees around the building, especially in the part that has the unwanted sounds. Put the refuse chamber on the side that is not visited by visitors to avoid the bad being exposed.

CLIMATE (WIND)

The wind affects how the material selection is used, especially in the sea breeze which has high humidity. This can cause building damage due to high humidity. This requires the use of materials that are resistant to corrosion to ensure the sustainability and durability of the building against the surrounding environment.

ZONING

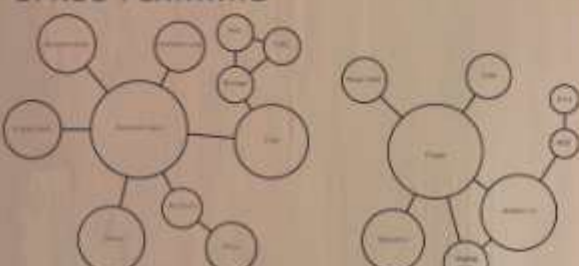


KEY PLAN SCALE NTS



LOCATION PLAN SCALE NTS

SPACE PLANNING



GROUND FLOOR

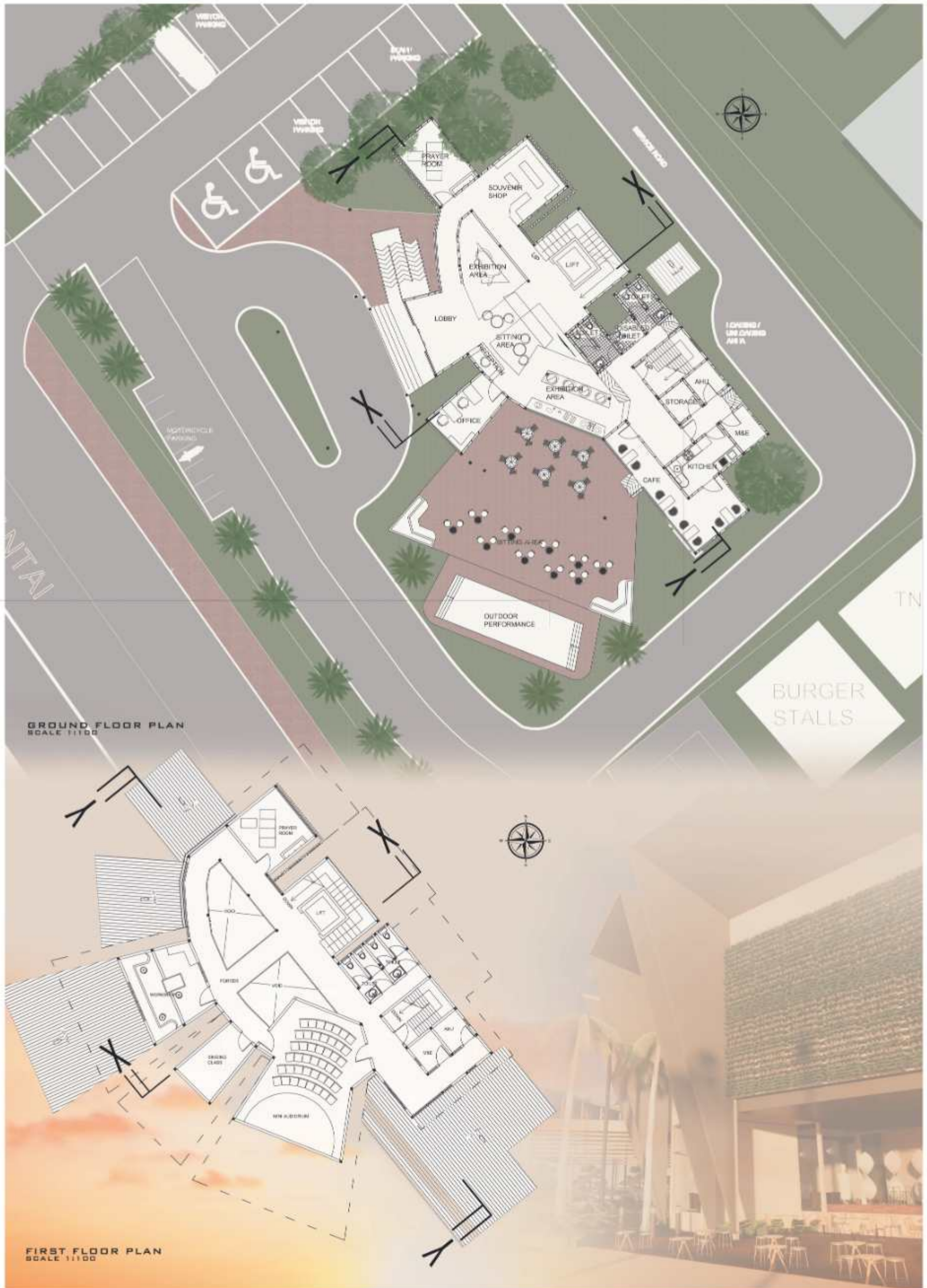
FIRST FLOOR

SITE PLAN SCALE 1:250



THE RHYTHY ART COMMUNITY CENTRE

AHMAD SYAMIL BIN AHMAD SYAKIR



GROUND FLOOR PLAN
SCALE 1:100

FIRST FLOOR PLAN
SCALE 1:100

THE RHYTHY ART COMMUNITY CENTRE

AHMAD SYAMIL BIN AHMAD SYAKIR



FRONT ELEVATION
SCALE 1:100



REAR ELEVATION
SCALE 1:100



LEFT ELEVATION
SCALE 1:100



RIGHT ELEVATION
SCALE 1:100

AHMAD SYAMIL BIN AHMAD SYAKIR | 0605822F1050 | DCA40155 DESIGN STUDIO 4 | MDM NORLIZA BINTI HOJAN | MDM NORZALINA BINTI MD. YUSOP | MDM MAHANIM BINTI ABULLAH SADALI

THE RHYTHY ART COMMUNITY CENTRE

AHMAD SYAMIL BIN AHMAD SYAKIR



SECTION X-X
SCALE 1:100



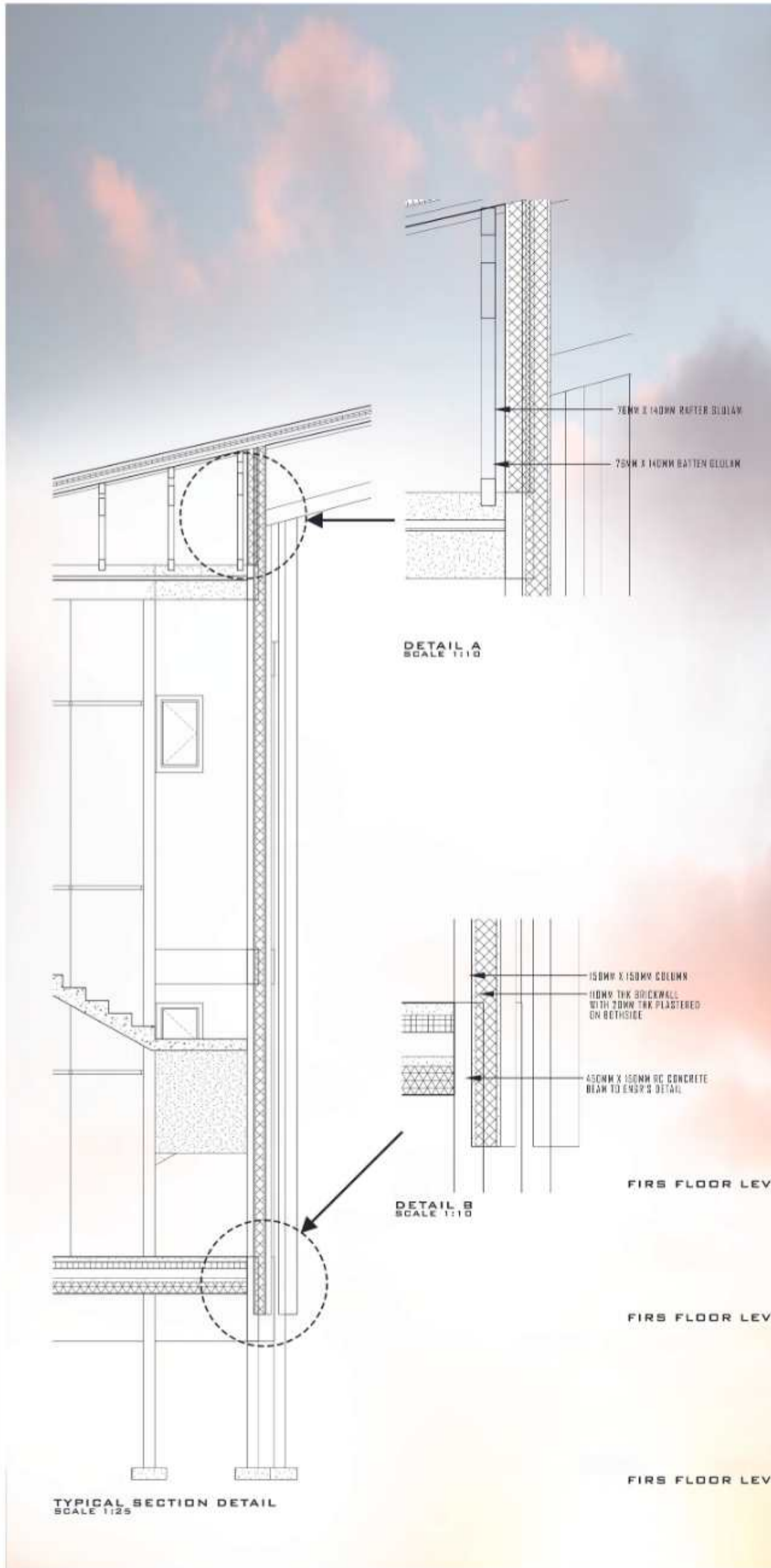
SECTION Y-Y
SCALE 1:100



SECTION PERSPECTIVE

THE RHYTHY ART COMMUNITY CENTRE

AHMAD SYAMIL BIN AHMAD SYAKIR



EXTERIOR



OUTDOOR CAFE



BEHIND THE BUILDING

INTERIOR

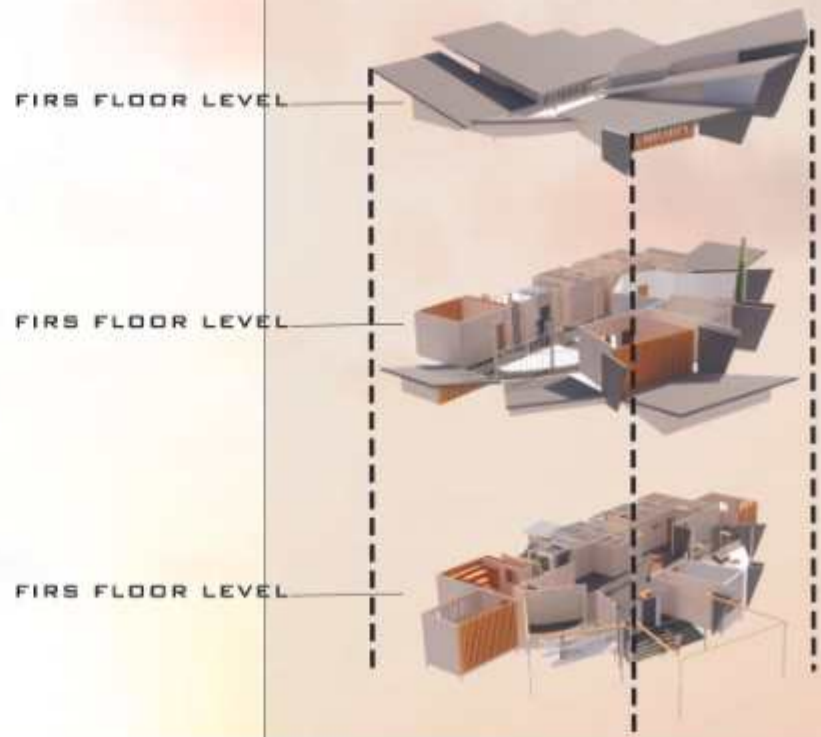


COURTYARD



LOBBY & EXHIBITION AREA

PERSPECTIVE



DESTAR ART COMMUNITY CENTRE

Nuralissa Sabila Binti Mohd Sabari

DESTAR ART COMMUNITY CENTRE

NURALISSA SABILA BINTI MOHD SABARI



DESTAR GALLERY
ART COMMUNITY CENTRE AT BATU 4

INTRODUCTION

Port Dickson is a beach resort destination at Negeri Sembilan in Malaysia about 90km south from Kuala Lumpur and 30km away from Seremban. Pantai Batu 4 is one of the famous places that people will visit so it's really suitable to build Art Community Centre. People from another country will come to visit and learn about Negeri Sembilan culture. This site has mostly been visited by families and adults as there are many attractions near the site.

DESIGN AIM

To make sure the Malaysia Art Centre not just only for entertainment but also a place where visitor can learn about architecture in Malaysia. To propose the designed of Art Community Centre that can help people to learn about the culture of Negeri Sembilan based on Destar concept by Negeri Sembilan.

DESIGN ISSUES

- 1) Near the site has 5 to 3 school that can encourage student to learn about art.
- 2) The site has accessibility by road that can have a traffic problem near the site.
- 3) In 10km to 20km radius there is no art gallery near Port Dickson area.



OBJECTIVE

- 1) To promote arts and culture within the community they serve. This also include to support local artist.
- 2) To serve as an educational hub and offering for workshop, classes and lectures to people of all ages and skill levels.
- 3) To implement sustainable building practices, utilizing renewable materials and energy efficient in art community centre.

TARGET USER



The site always been visit by a family as there many attraction place near the site.

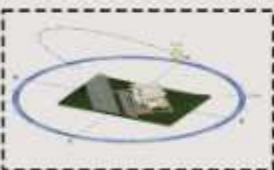


Destar Art Gallery has universal design that suit for disable person to visit.

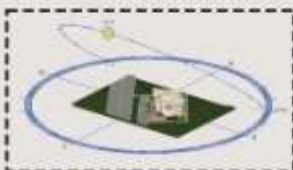


The site also has been visit by an elderly as for relaxation and recreation.

CLIMATE (SUN PATH)



Back of the building will receive more sunlight during 9AM.



The entrance of the building will receive more sunlight during the day because the building have facade that avoid to uch sunlight enter the building.



At 3PM the left of the building receive the sunlight. To avoid to much sun enter the building, the installation of louvers is needed.



After 6PM, the amount of sunlight that building receive is reduce. The building need an artificial light to have lighting.

IDEA DEVELOPMENT



Destar Dendam Tak Sudah is a Negeri Sembilan Traditional busana. Destar usually wear by a royale family to looks exclusive.



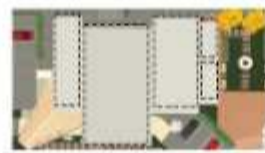
Finding a shape for optimizing space utilization and also for structural consideration.



The combination of rectangular and triangle can maximizing space efficiency and also enhance flow and circulation.



The last combination of shape also resemble a Destar.



This building has 5 layer of roof that resemble to destar that has 5 layer of folded takuk. Five layer of folded takuk give a meaning that relate to National Principals. Takuk also symbolize the journey of life because of the different size of folded takuk meaning that in our life not everything is beautiful. There are good times and there are times when the oath of life is winding.



TAKUK



KEY PLAN NTS



LOCATION PLAN NTS



DESTAR ART COMMUNITY CENTRE

NURALISSA SABILA BINTI MOHD SABARI



PRECEDENT STUDY



The arrangement of each spaces has a **radial element** meaning that there is a **midpoint on the building** as a place for spiral stairs and lobby for gathering. It can also minimize the use of space and well organize area.

The arrangement of each spaces has a **clustered element** meaning that there is area that gather in one place like a connection. It was easy to reach another spaces.

SITE ANALYSIS



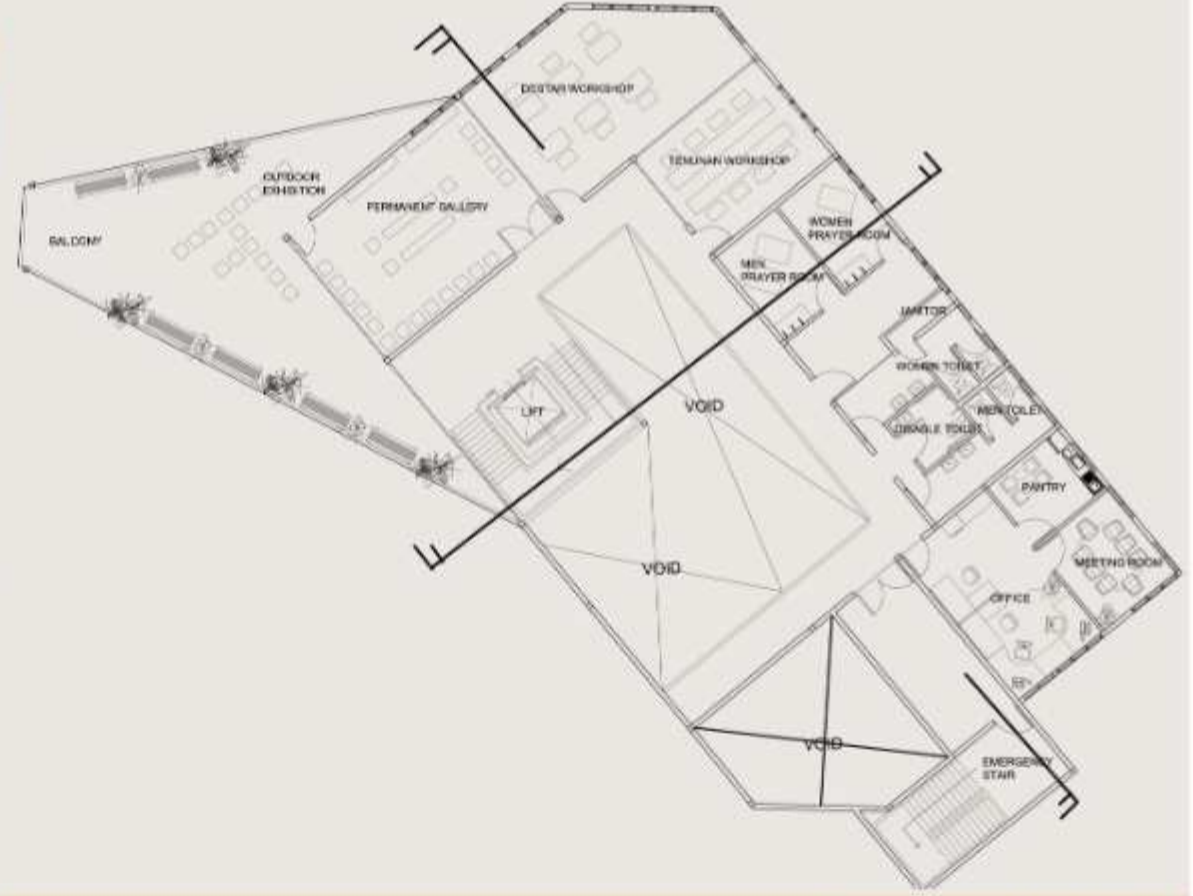
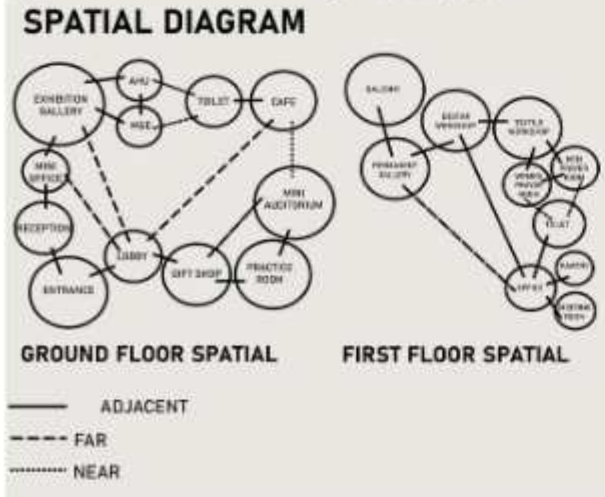
Site receive a lot of sunlight during the day light.

Site receive wind that can give natural fresh outdoor air into building.



SITE ZONING

Proposed an entrance at positive view.



TENUNAN WORKSHOP

Tenunan workshop is one of the activity where visitor can sign up to learn about sewing a traditional textile. This activity can help them to improve their knowledge and get to know about traditional textile. This workshop also help people that really into sewing and want to learn more.



EXHIBITION GALLERY

Destar Art Gallery has two kind of gallery which is exhibition gallery and destar gallery. The difference between this two is the layout of exhibition gallery can be rearrange if any fashion designer want to make a fashion show. The layout plan of destar gallery can't be rearrange because it has all of the state costume.

DESTAR ART COMMUNITY CENTRE

NURALISSA SABILA BINTI MOHD SABARI



REAR ELEVATION
SCALE 1:100



RIGHT ELEVATION
SCALE 1:100



LEFT ELEVATION
SCALE 1:100



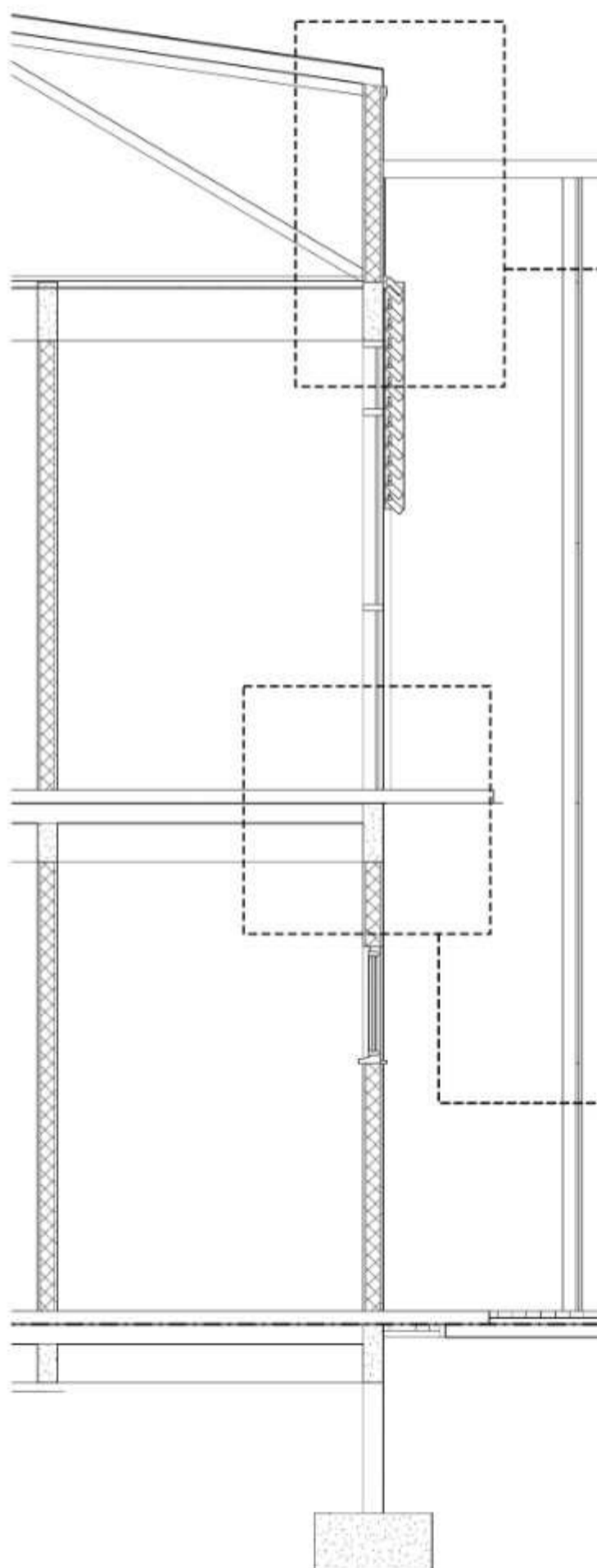
FRONT ELEVATION
SCALE 1:100

DESTAR ART COMMUNITY CENTRE

NURALISSA SABILA BINTI MOHD SABARI



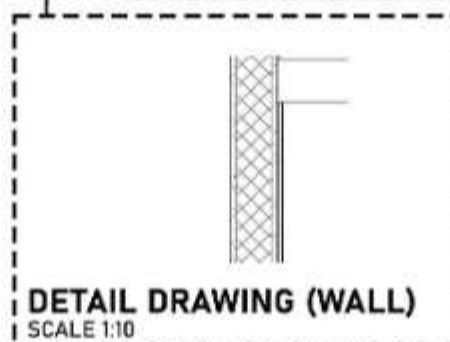
SECTION A-A
SCALE 1:100



TYPICAL SECTION
SCALE 1:20

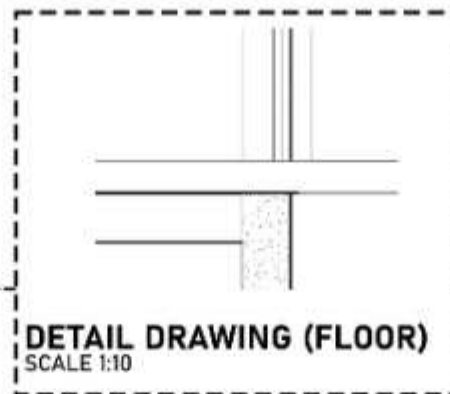


SECTION B-B
SCALE 1:100



DETAIL DRAWING (WALL)
SCALE 1:10

110MM thk concret mansory with 20MM thk plaster on both side.



DETAIL DRAWING (FLOOR)
SCALE 1:10

20MM thk marble floor finishes with 100MM thk concrete layer.



GARDEN

DESTAR ART COMMUNITY CENTRE

NURALISSA SABILA BINTI MOHD SABARI

GREEN ELEMENT OF DESTAR GALLERY ART COMMUNITY CENTRE AT BATU 4



VENTILATION



CROSS VENTILATION

A large spaces requires systematic ventilation for indoor air quality insides the building to make sure comfortable for visitors. Cross ventilation is able to remove the heat to outside building. It is able to provide comfort ventilation to visitors.

NATURAL SUNLIGHT



CURTAIN WALL

Some wall in Destar Art Community centre is using a green wall to receive more sunlight during the day. This will help the building use less of energy in the morning.

OPEN SPACE



LANDSCAPE AND OUTDOOR CAFE

Destar Art Community Centre has outdoor cafe that connect with landscape. This spaces will able to give fresh air to the visitor while their feel suffocate in the building.

PASSIVE DESIGN



Thermal Comfort

The use of facade is one of passive design. The systematic use of facade design not only give an attractive effect of the building but its can give a thermal comfort to the building. Each piece of louvers has differents angles based on sunlight so that it is able to reduce heat.

RENEWABLE ENERGY



SOLAR PANEL

Because of the site location is receive a lot of sunlight, it is suitable to use solar panel in this building. This solar panel can be used throughtout the building and have electricity consumption.



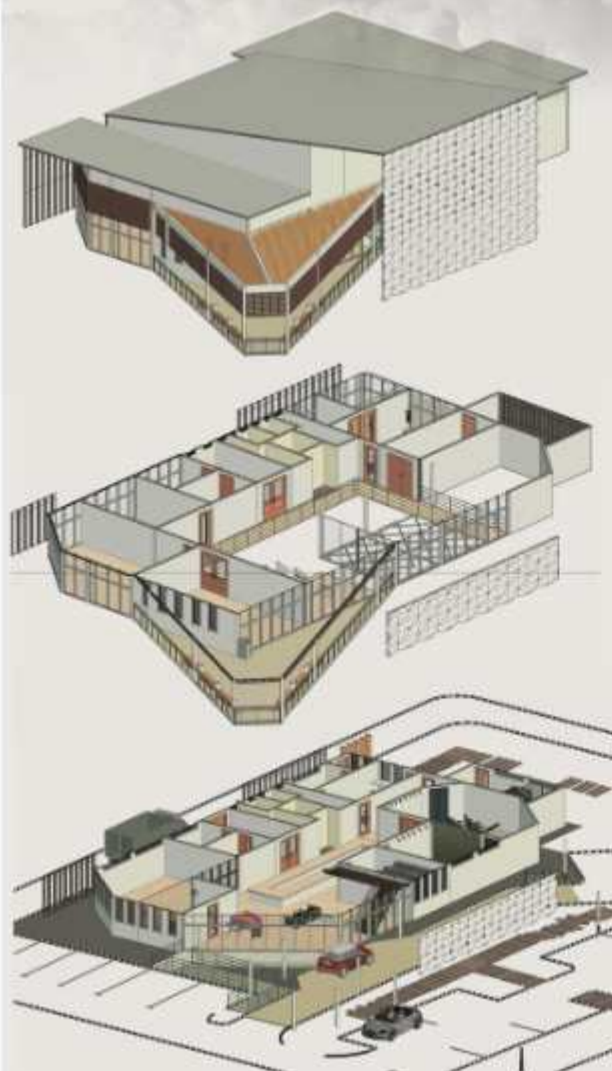
CAFE



RECEPTION



INDOOR GARDEN



EXPLODED VIEW



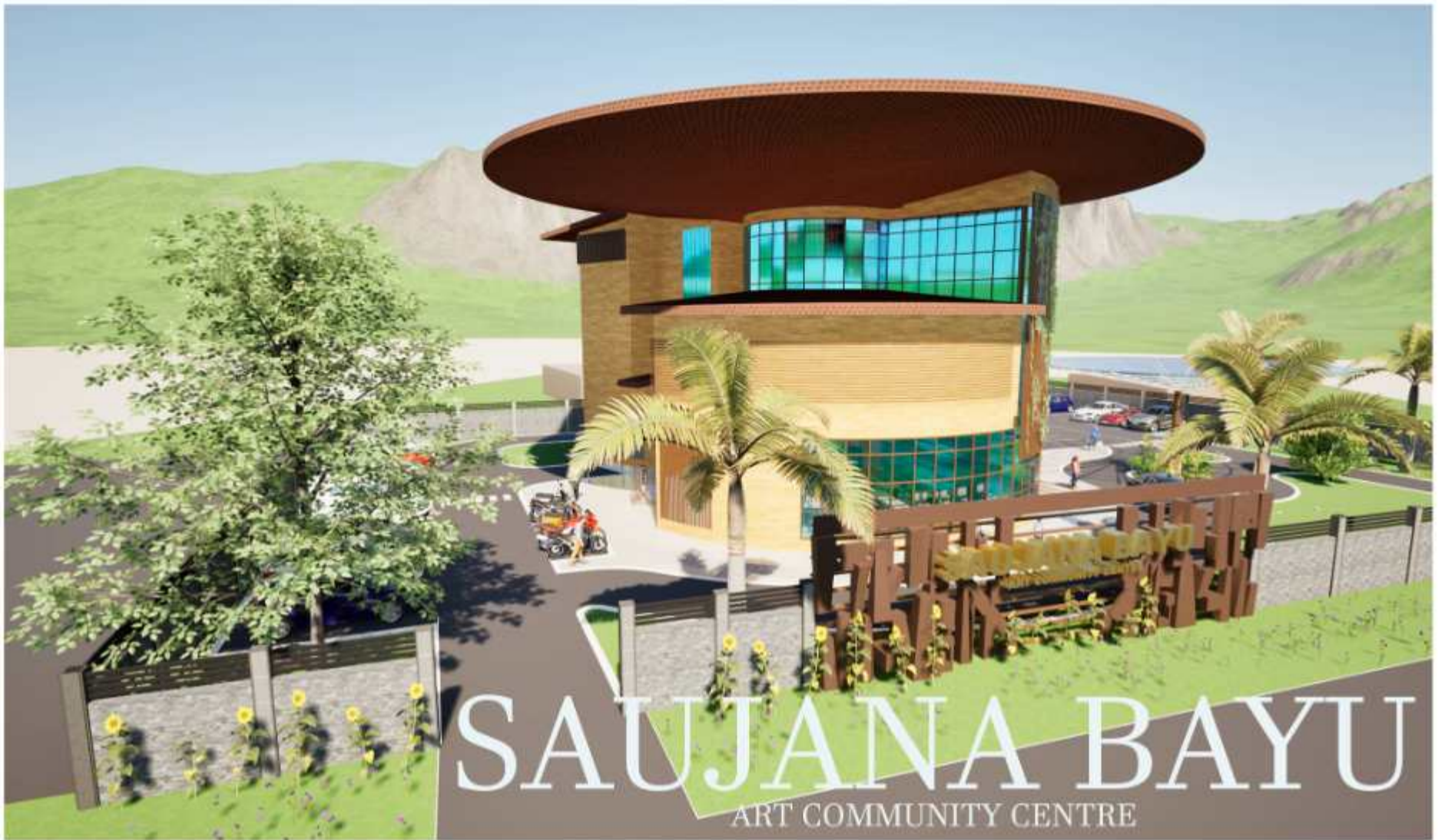
SECTIONAL PERSPECTIVE

SAUJANA
BAYU
ART
COMMUNITY
CENTRE

Nurrin Syazlin Binti Zamberi

SAUJANA BAYU ART COMMUNITY CENTRE

NURRIN SYAZLIN BINI ZAMBERI



Introduction

Saujana Bayu Art Community Centre embodies a harmonious fusion of art, nature and community. Situated against the backdrop of the serene Saujana Beach is to create spaces that not only celebrates artistic expression but also seamlessly integrates with the coastal landscape

Aim

To provide a art community centre to enhance the quality of local artist talent

Objective

1) FACILITATING ARTIST

- To provide suitable spaces and facilities for artist to showcase their artwork more affectively

2) CREATING GREEN SPACES AND ENVIRONMENTAL INTEGRATION

-To strengthen connections with Pantai Saujana by provide refreshing open spaces for visitor and local residents to increase environmental awareness

3) PROMOTING WALKING BEHAVIOR

-To enhancing social interaction by providing open spaces to improve the health and well being of visitors by encouraging an active lifestyle

Site Analysis



TARGET USERS

TOURIST



As we known Negeri Sembilan can attract tourist as well

DISABLE PEOPLE



Every people hve the rights, not to forget the disability person

EDUCATOR



Educator, students nowadays love to explore by visiting place to gain ideas or desire



KEY PLAN
N.T.S



LOCATION PLAN
N.T.S

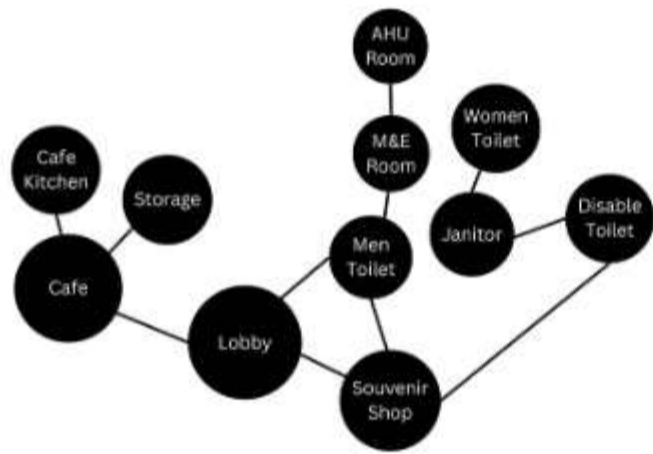


SITE PLAN
SCALE 1:250

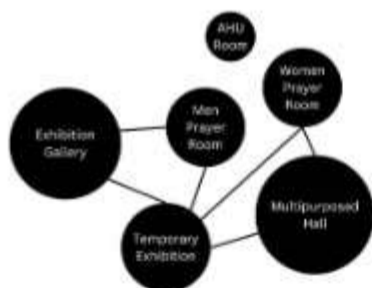
SAUJANA BAYU ART COMMUNITY CENTRE

NURRIN SYAZLIN BINTI ZAMBERI

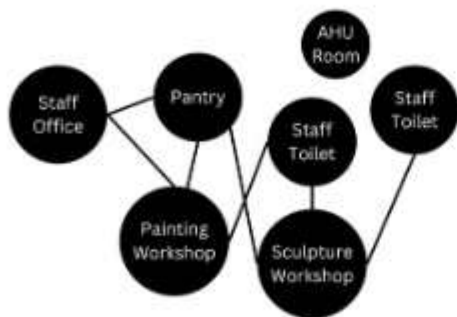
SPACE PLANNING



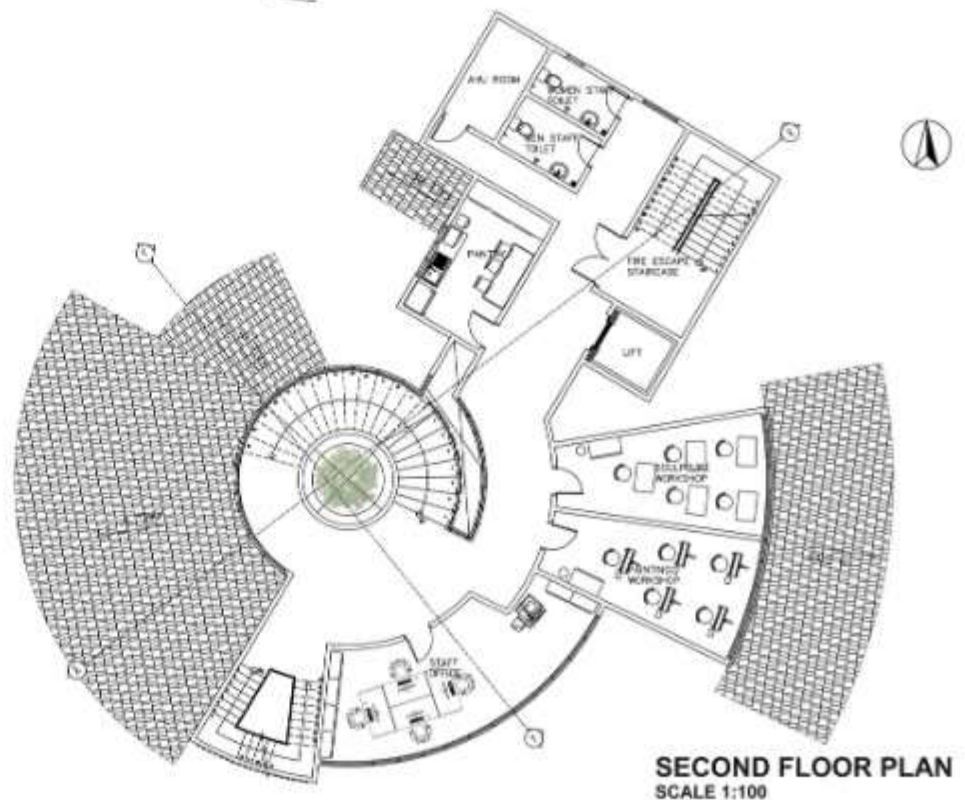
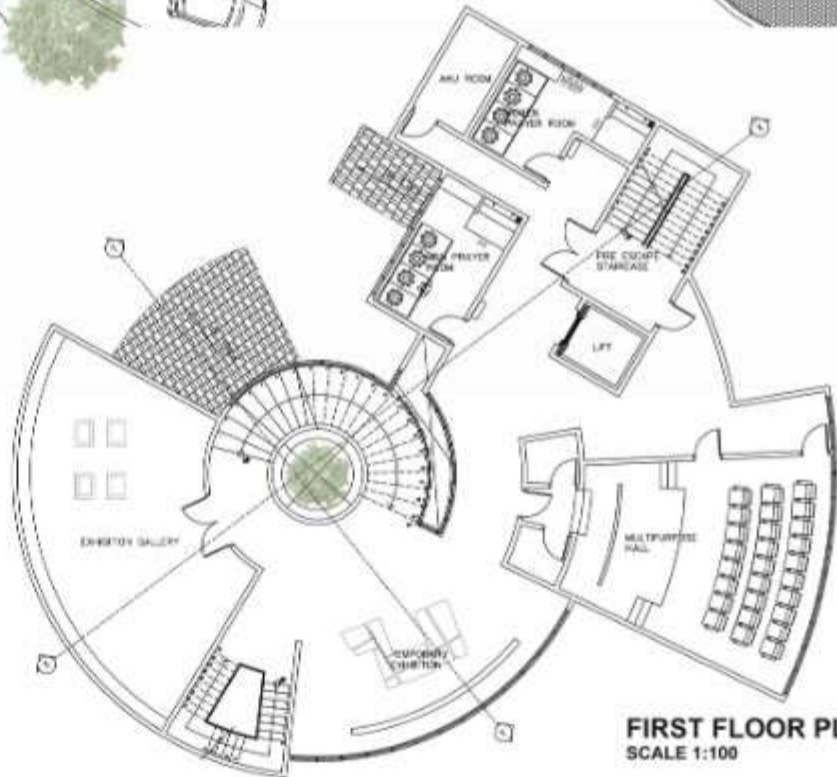
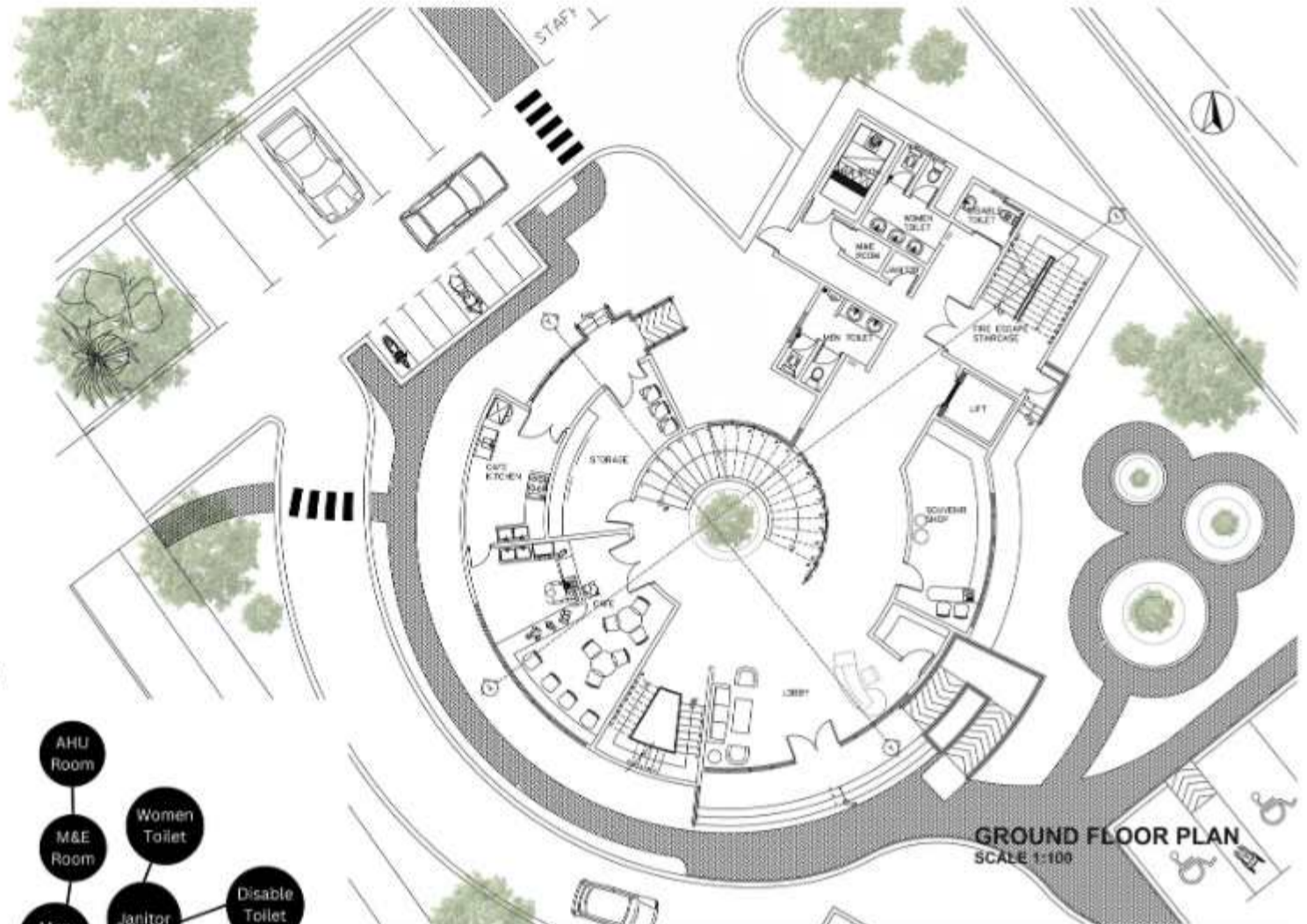
GROUND FLOOR PLAN



FIRST FLOOR PLAN



SECOND FLOOR PLAN



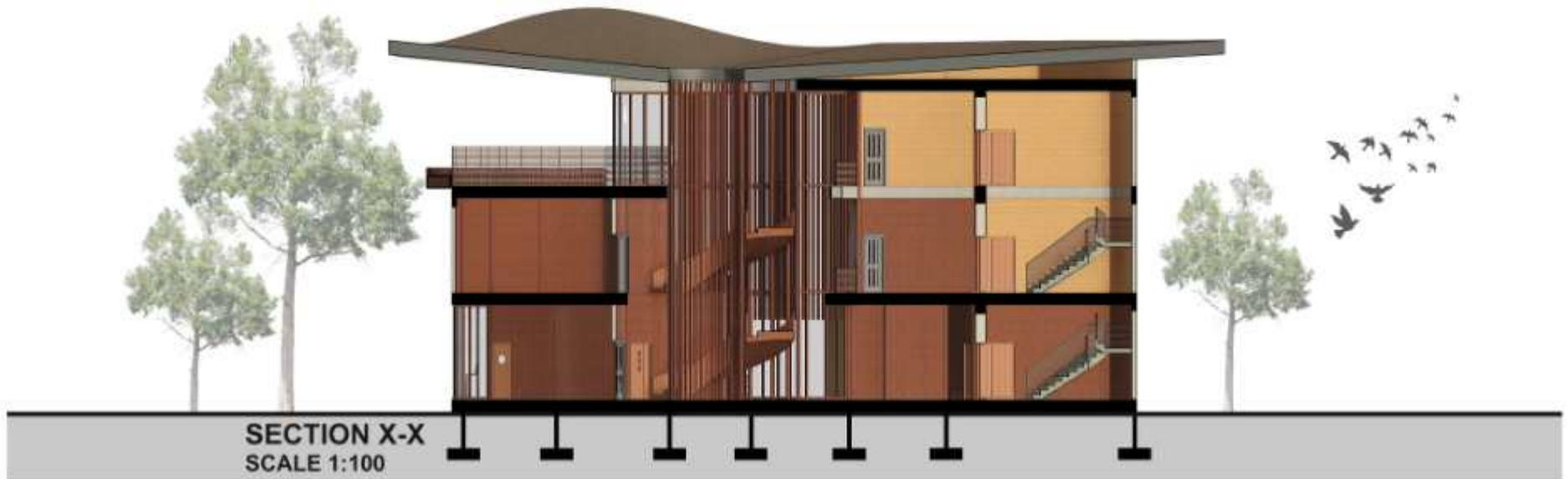
SAUJANA BAYU ART COMMUNITY CENTRE

NURRIN SYAZLIN BINTI ZAMBERI



SAUJANA BAYU ART COMMUNITY CENTRE

NURRIN SYAZLIN BINTI ZAMBERI



SAUJANA BAYU ART COMMUNITY CENTRE

NURRIN SYAZLIN BINTI ZAMBERI



DCA40155 DESIGN STUDIO 4 | NURRIN SYAZLIN BINTI ZAMBERI | 06DSB22F1019 | PUAN NORLIZA BINTI JOHAN | PUAN MAHANIM BINTI ABDULLAH SADALI | PUAN NORZALINA BINTI MD YUSOP

SAUJANA BAYU ART COMMUNITY CENTRE

NURRIN SYAZLIN BINI ZAMBERI



SUSTAINABLE DESIGN GOALS

Passive Design



Canopy

Canopy structure made out of extended main building beam and looping around the building work as continuous **shading device**. While, vegetation plant make canopy more lively



Vegetation

Integrating vegetation into building space and facade proven to **lower the temperatures inside and outside building**



Void On Courtyard

Building form have the opening in the middle to **allow natural lighting and natural ventilation** access every space inside the building



Opening

Allow natural lighting and natural ventilation



SAARONG ART COMMUNITY CENTRE

Khairul Najwa Binti Aziz

SAARONG ART COMMUNITY CENTRE

KHAIRUL NAJWA BINTI AZIZ

SAARONG ART COMMUNITY CENTRE

INTRODUCTION

Saa-rong Art Community Centre is Located at Batu 4 Pantai Saujana, Port Diskson. This project have a great view near to the beach. This building suitable for public such as adult, kids and the others. The purpose of the building is to show people about traditional clothing in Negeri Sembilan Darul Khusus.

ISSUES

At Negeri Sembilan, traditional clothes are increasingly forgotten and less used by society of today. New generation people dont know about the traditional clothes of their states because they are too exposed to modern generation.

AIMS

To proposed the design Art Community Centre that encourage community dvelopment, and more activities are created.

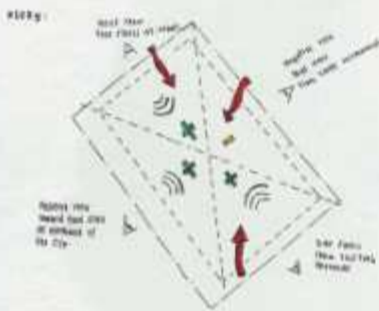
OBJECTIVE

Making a weaving traditional clothes. Creating an oppurtunity to learn sewing skills for the young community who are not interested in continuing learning.

CONCEPT

The concept of Saarong Art Community Centre is step by step how to wear "Sarung Lintang Negeri Sembilan"

SITE ANALYSIS



VIEW & SENSORY

Put a space that need a beautiful view to apositive view like lobby, gallery and cafe. While the sidewith negative view no need to a beautiful view. Filter not unwanted by planting tree around the building.

CLIMATE (SUNLIGHT & WIND)

Apply facade and roof that the sunlight so that exterior wont to get the direct sunlight. Planting also can protect the building from direct sunlight. The wind affect how the material selection is used, this is because building damage due to high humidity.



KEY PLAN
NTS



LOCATION PLAN
NTS

TARGET USERS



STUDENTS

FAMILY

COUPLE

CHILDREN

IDEA DEVELOPMENT



Sanggul Lintang is one of Negeri Sembilan identity and the important cloth of Negeri Sembilan especially for the bride.



The arrangement of these idea also connected and the arrangement is overlaped to get a hierarchy such as how to use a "Sanggul Lintang"



Sanggul lintang have step by step to wear it.



So the step for building is it must extend the step one by one. One of the step also can give the hierarchy for the building.



SAARONG ART COMMUNITY CENTRE

KHAIRUL NAJWA BINTI AZIZ

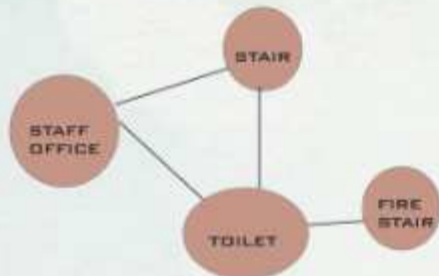
SPATIAL PLANNING



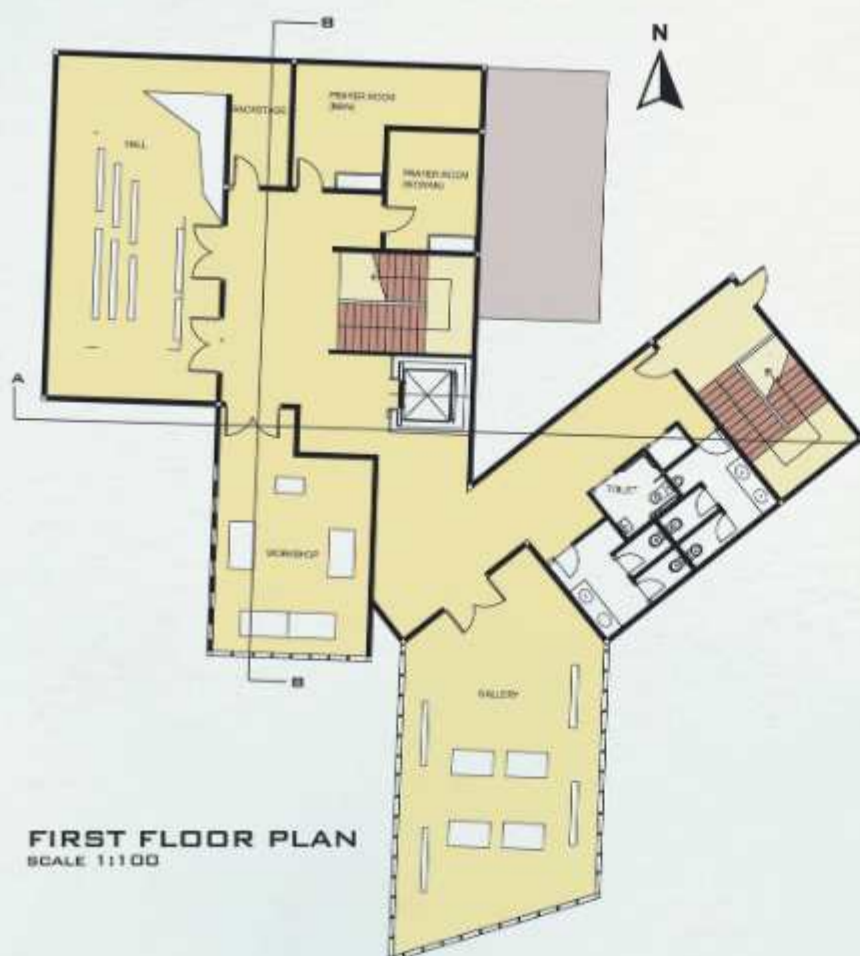
GROUND FLOOR PLAN



FIRST FLOOR PLAN



SECOND FLOOR PLAN



FIRST FLOOR PLAN
SCALE 1:100



GROUND FLOOR PLAN
SCALE 1:100

CASE STUDY (THE FACTORY CONTEMPORARY)



VIETNAM



This exhibition gallery is very interesting because it uses materials such as glass and concrete walls that have been painted in pleasant colors. This space look minimalace and clamn and easily to attract people.



The position of this space is very interesting because the space is quite close and has little privacy. this space also uses mirror and concrete that has been painted in a pleasant color. this space also can be used as a space to do acticies with family.

This space is made under the building and a little open place. The materials they used for this place is aluminium and concrete. Space like this always get attention from the public.



SEC FLOOR PLAN
SCALE 1:100

SAARONG ART COMMUNITY CENTRE

KHAIRUL NAJWA BINTI AZIZ



FRONT ELEVATION
SCALE 1:1100



RIGHT ELEVATION
SCALE 1:1100



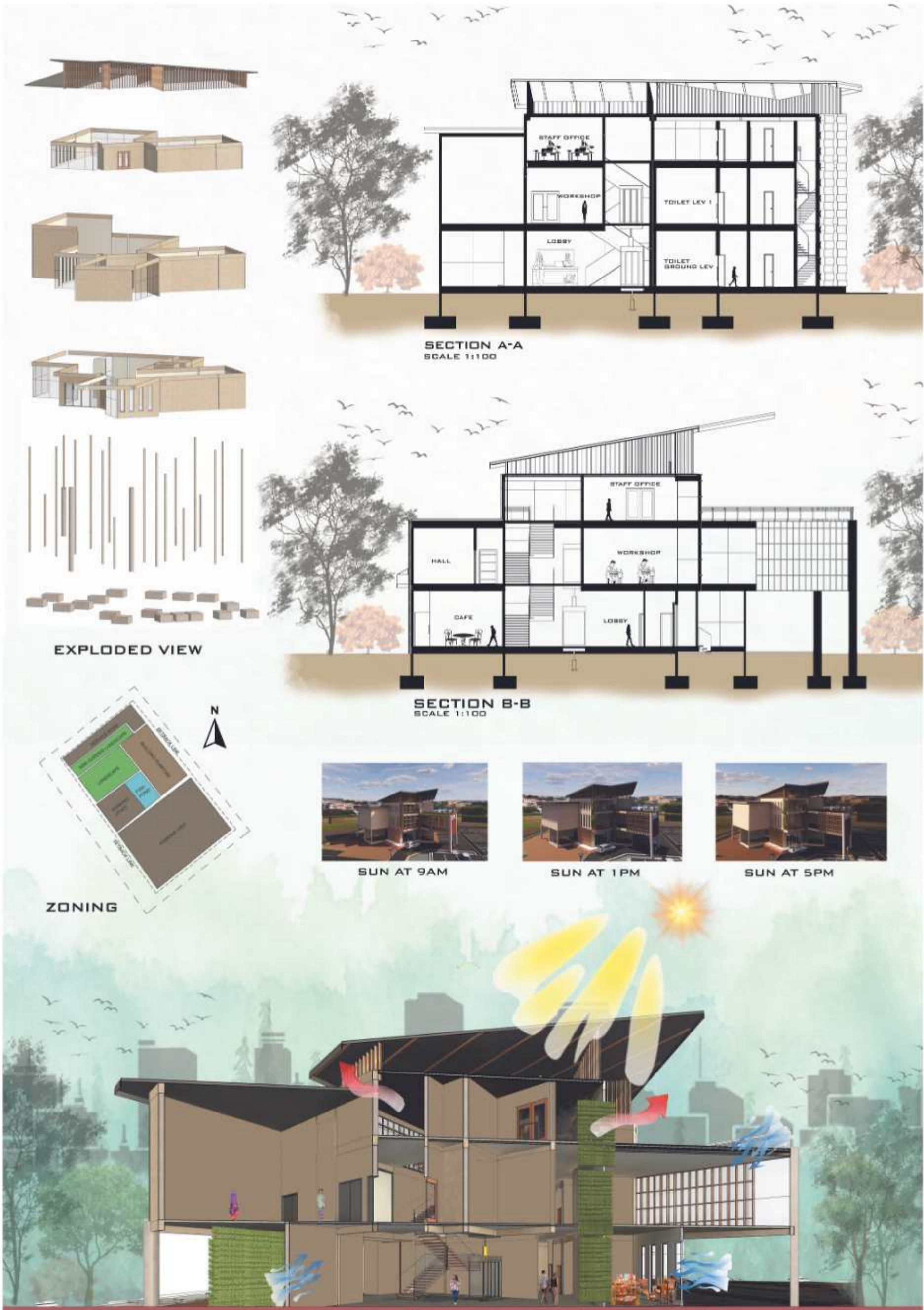
LEFT ELEVATION
SCALE 1:1100



REAR ELEVATION
SCALE 1:1100

SAARONG ART COMMUNITY CENTRE

KHAIRUL NAJWA BINTI AZIZ



KHAIRUL NAJWA BT AZIZ | 060582231054 | DCA40.155 DESIGN STUDIO 4 | PN.NORZALINA BT MD YUSOP | PN.NORLIZA BT JOHAN | PN.MAHANIM BT ABDULLAH SADALI

SAARONG ART COMMUNITY CENTRE

KHAIRUL NAJWA BINTI AZIZ



SAARONG ART COMMUNITY CENTRE

KHAIRUL NAJWA BINTI AZIZ

EXTERIOR VIEW



HUMAN EYE VIEW



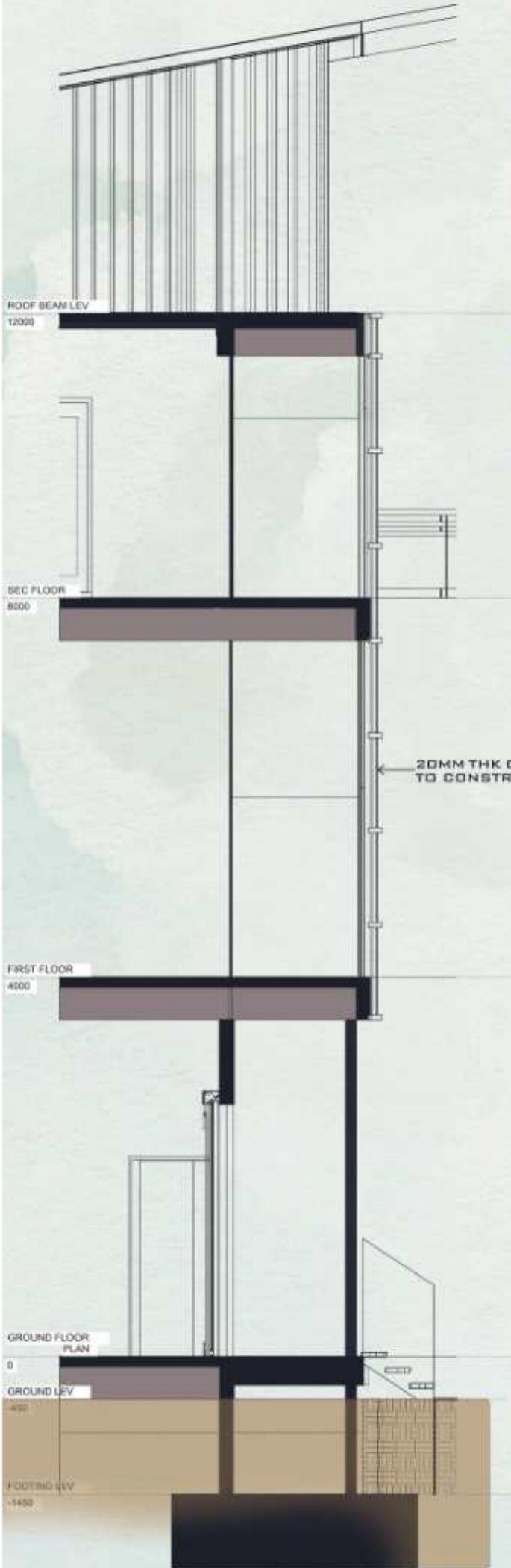
MINI GARDEN



ROOF TOP

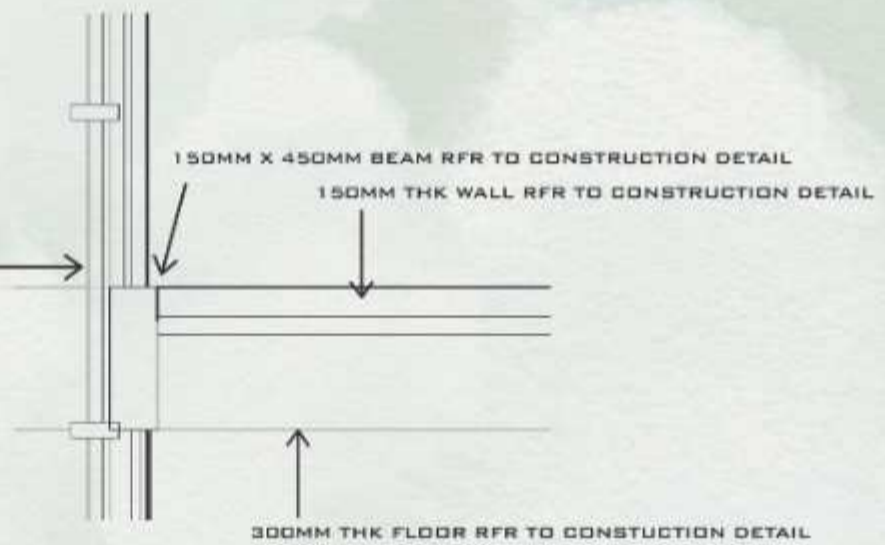


REAR VIEW



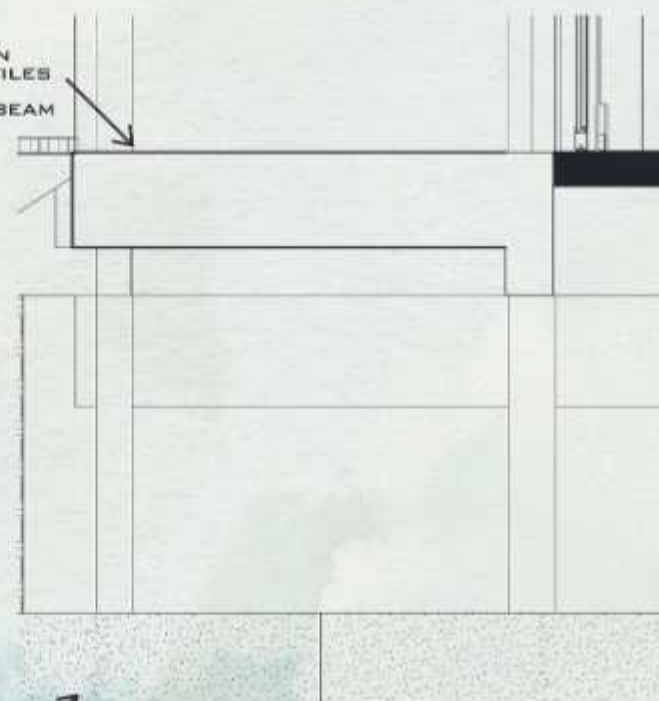
TYPICAL SECTION
SCALE 1:25

150MM X 200MM X 200MM RC FOOTING TO ENGR'S DETAIL.



DETAIL A
SCALE 1:10

FLOOR CONSTRUCTION
10MM THK OF WOOD TILES
10MM THK R.C SLAB
150MM X 450MM R.C BEAM



DETAIL B
SCALE 1:10

METAMORPH ART COMMUNITY CENTRE

Raja Farez Iqbal Bin Raja Rusli

METAMORPH ART COMMUNITY CENTRE

RAJA FAREZ IQBAL BIN RAJA RUSLI

METAMORPH

AIM

To propose the design of Art Community Center that intentionally to promote and exhibit the masterpiece of local artist based of transformation concept

INTRODUCTION

An Art Community Centre, which the vision is to display, promote and exhibit paintings of local artist. This Art center will also be a place where people can come for various activities and community bonding. It is constructed at Pantai Batu 4, Port Dickson. The target audience is art enthusiasts, tourists and even students. This can be implemented by constructing the building at the landmark of Port Dickson

ISSUES

ON ART CENTRE

- There are no count of art community center around Port Dickson
- There are no building or location which expose integration between people in Port Dickson
- In-term of design, very little account of building that has a sculpture feature in Port Dickson
- Origami sculpture in Port Dickson has a very low vulnerability, yet has a very high demand and request not only from school student, but also from artist and art enthusiast.

ON SITE

- A very hot temperature
- High humidity, expose higher percentage of rust

OBJECTIVES

The objective of the art center is to foster creativity and cultural engagement by providing an inclusive space for artistic expression, education, and collaboration, supporting artists, and inspiring the community through diverse programs and events

SITE ANALYSIS



VIEW

Initiative that could have been used is apply more opening on the front building and less on the back of the building



NOISES

It is recommended to apply soundproof material and feature on the building to avoid loud noises from the main road



SMELL

The smell from the unmanaged drainage could disturb the harmony of the building. Drainage maintenance would be necessary



SUN DIRECTION

The direction of the sun is important term of building planning to avoid direct sunlight



SUSTAINABLE FEATURE

- Natural Lighting
- Natural Ventilation
- Natural Feature

DESIGN DEVELOPMENT



Based on the inspiration, it is from the Transformation of a 2D paper into a 3D form

Outlines which indicates the folding mark of the paper, trace the feature of the building

Paper is folded following the mark

As the paper continue to follow to fold mark, it creates a form that could have been used both in Building form and facade

SITE ZONING

GROUND FLOOR



FIRST FLOOR



CASE STUDY

LOCAL - G13 GALLERY



INTERNATIONAL - ARCHES GALLERY ABERFOYLE



THE WAY THEY EXAGGERATE AND INTEGRATE THEIR BUILDING WITH NATURAL CONTEXT AROUND THEM BY MAKING A GLASS WALL AND BIG DOOR AS THEIR MAIN SOURCES OF NATURAL LIGHTING

SITE ZONING



METAMORPH ART COMMUNITY CENTRE

RAJA FAREZ IQBAL BIN RAJA RUSLI



RAJA FAREZ IQBAL BIN RAJA RUSLI 06DSB22F1017 MDM NORLIZA BT JOHAN MDM NORZALINA BT MD YUSOP MDM MAHANIM BT ABDULLAH SADALI

METAMORPH ART COMMUNITY CENTRE

RAJA FAREZ IQBAL BIN RAJA RUSLI



FRONT ELEVATION
SCALE 1:100



REAR ELEVATION
SCALE 1:100



SECTIONAL PERSPECTIVE
NOT TO SCALE

METAMORPH ART COMMUNITY CENTRE

RAJA FAREZ IQBAL BIN RAJA RUSLI



Exterior View



Cafe



Gallery



LEFT ELEVATION
1:100



RIGHT ELEVATION
1:100

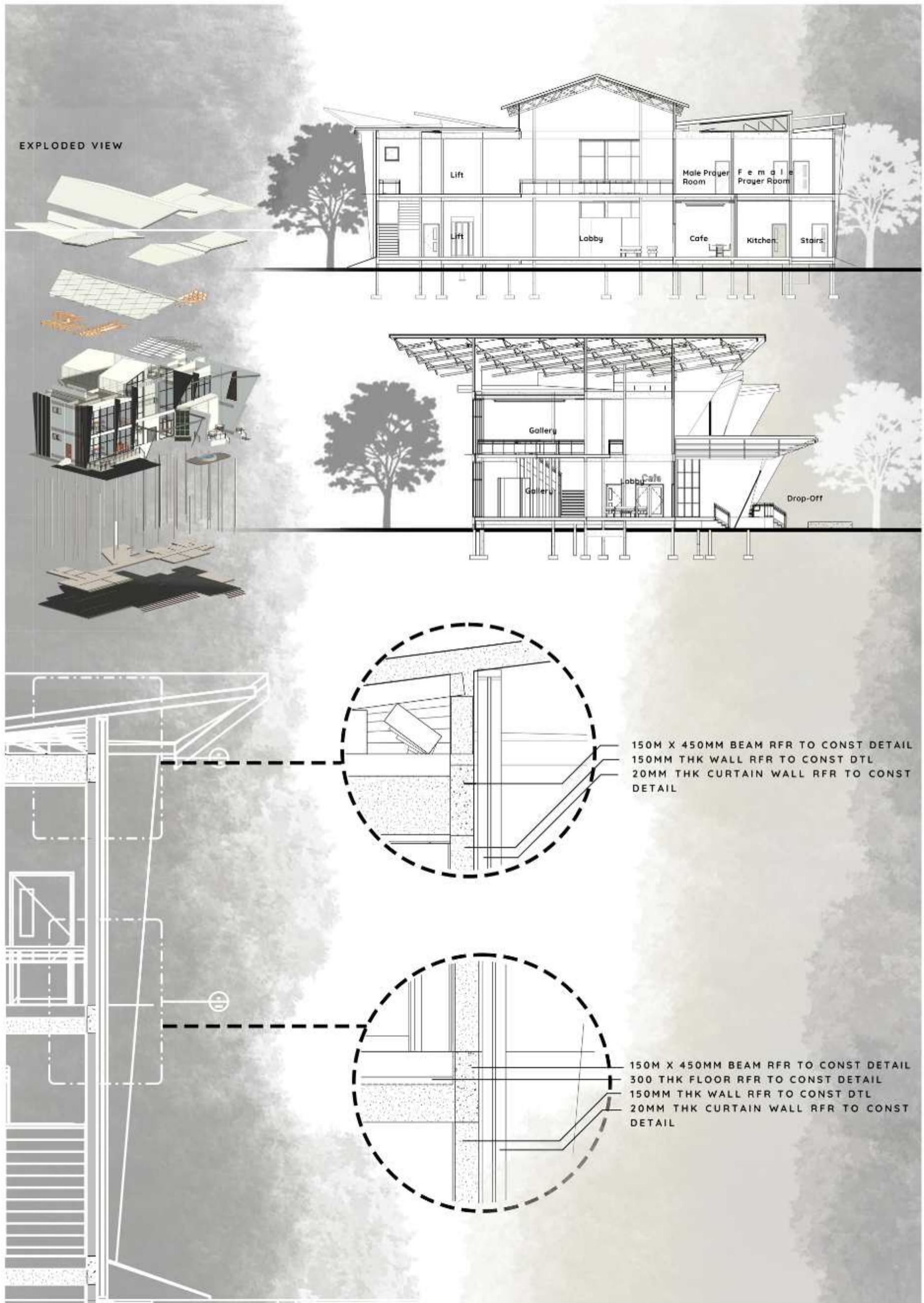
The architecture of geometrical buildings based on origami combines the artistic elegance of traditional paper folding with modern engineering and architectural practices. This approach results in innovative structures that are not only visually appealing but also highly functional, adaptable, and sustainable.



RAJA FAREZ IQBAL BIN RAJA RUSLI 06DSB22F1017 MDM NORLIZA BT JOHAN MDM NORZALINA BT MD YUSOP MDM MAHANIM BT ABDULLAH SADALI

METAMORPH ART COMMUNITY CENTRE

RAJA FAREZ IQBAL BIN RAJA RUSLI



RAJA FAREZ IQBAL BIN RAJA RUSLI 06DSB22F1017 MDM NORLIZA BT JOHAN MDM NORZALINA BT MD YUSOP MDM MAHANIM BT ABDULLAH SADALI

TRADISI ART COMMUNITY CENTRE

Qamarul Azam Bin Sahrudin

TRADISI ART COMMUNITY CENTRE

QAMARUL AZAM BIN SAHRUDIN



DESIGN STATEMENT

Tradisi performing art center that represent traditional dance of Negeri Sembilan, encapsulate the essence of the region cultural heritage through authenticity and impressive experiences. Inspiration from the graceful and membrant colour of Negeri Sembilan.



KEY PLAN



LOCATION PLAN

DESIGN ISSUES

Art Community Centre in Malaysia are very less compare to other countries. In addition, no art centre in Port Dickson represent their culture especially performing art. Also, not many art centre incorporate green element into their building.

USER STUDY



CHILDREN



COMMUNITY



TRAVELLER



FAMILY

CONCEPT

SHOW US STEP , TRADISI WILL BECAME.

IDENTITION



DANCE ELEMENT
-Fast Movement and Dynamic Swift
-Pattern element on Facade.



DANCE MOVEMENT
Mapping shape of one of plate dance movement.

DESIGN AIM

To propose the design that showcase the diverse range of movement based performance 'Plate Dance'. At the same time, introducing sustainable green element to the building to attract local and global community.

DESIGN OBJECTIVES

To design an outstanding art centre with informal space to break free from the typical design.
To provide space that easy to access knowledge for the visitors.
To incorporate green element into the building design for sustainability and attraction point to the visitor.

SITE ANALYSIS



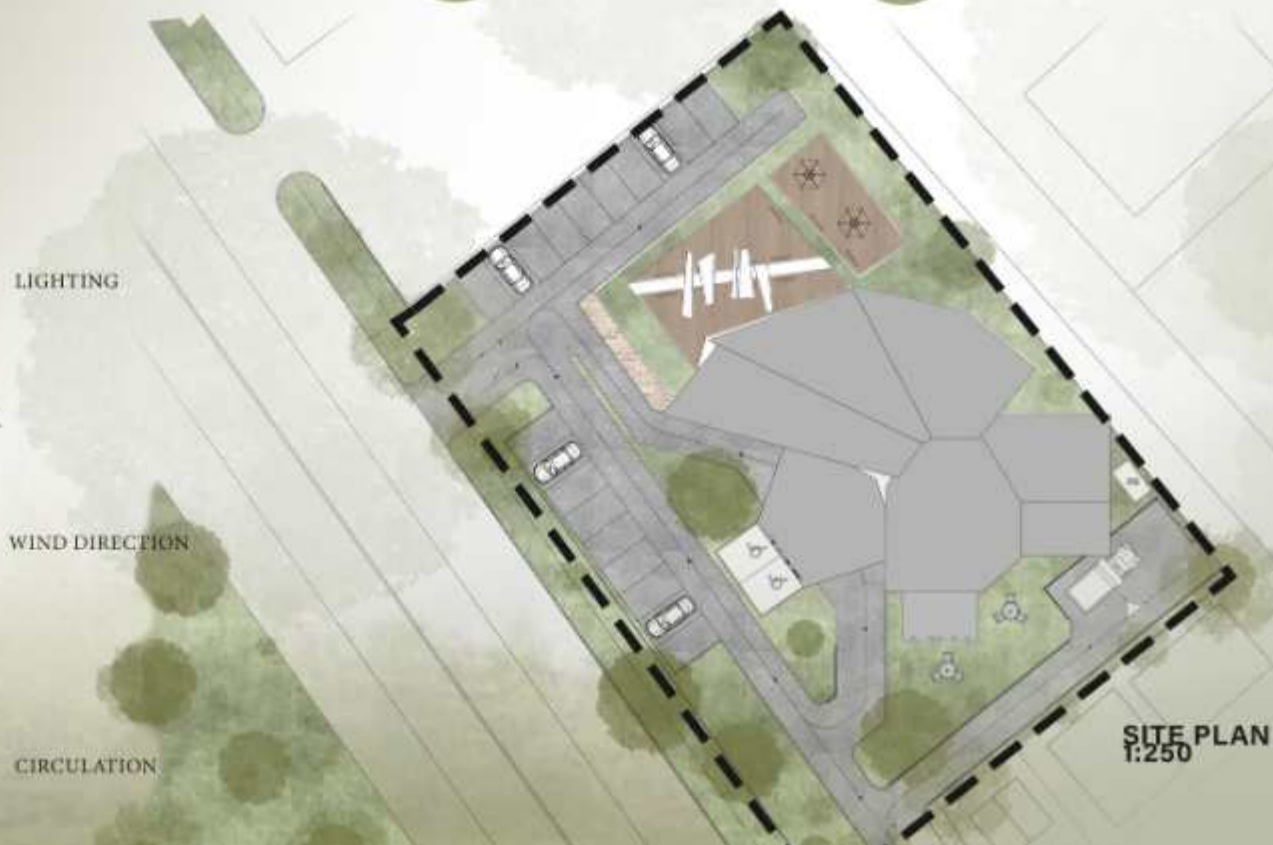
LIGHTING



WIND DIRECTION



CIRCULATION

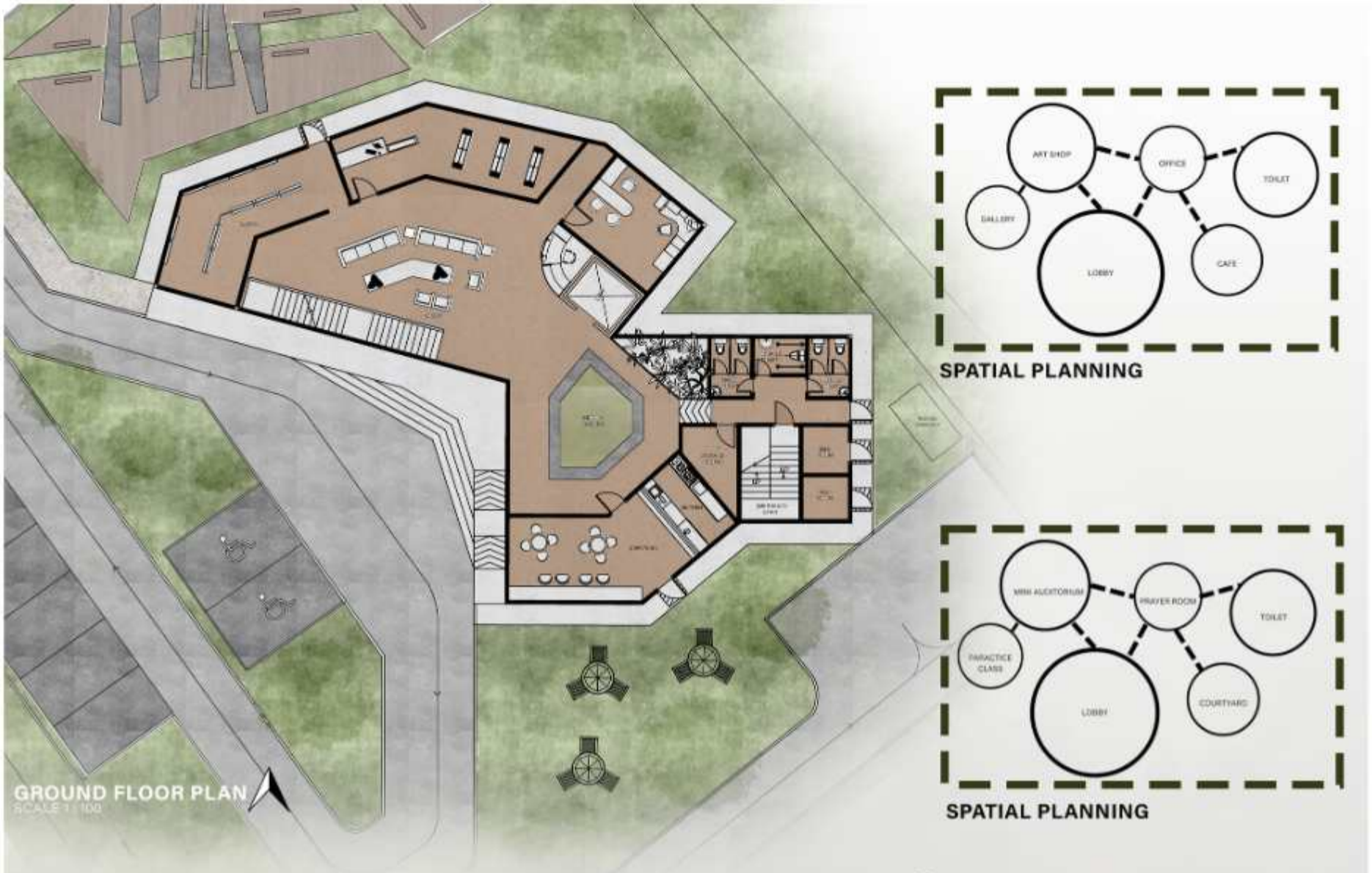


SITE PLAN
1:250



TRADISI ART COMMUNITY CENTRE

QAMARUL AZAM BIN SAHRUDIN



CASE STUDY



Serve as an exterior covering of a building, protecting the interior from the elements.



People lead an ideal existence in harmony with nature. It becomes a place or venue open for public engagement and participation.



Facade treatment applied into building to show more what the building focus on and make people more emphasize with the building.



QAMARUL AZAM BIN SAHRUDIN - O6DSB22F1045 - DSB4B - DCA40155 DESIGN STUDIO 4 - LECTURER : PN.NOLIZA JOHAN-PN.MAHANIM-PN.NORZALINA

TRADISI ART COMMUNITY CENTRE

QAMARUL AZAM BIN SAHRUDIN

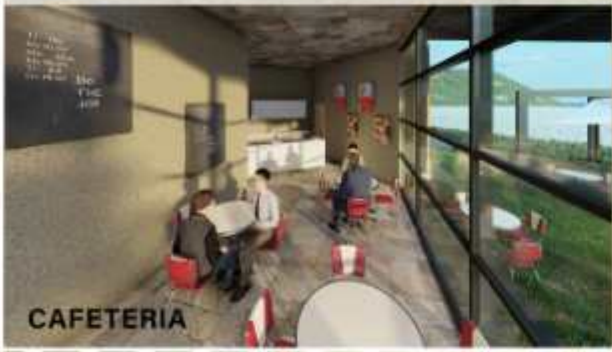


QAMARUL AZAM BIN SAHRUDIN - O6DSB22F1045 - DSB4B - DCA540155 DESIGN STUDIO 4 - LECTURER : PN.NOLIZA JOHAN-PN.MAHANIM-PN.NORZALINA

TRADISI ART COMMUNITY CENTRE

QAMARUL AZAM BIN SAHRUDIN

CHARACTERISTIC OF BUILDING



CAFETERIA

Cafeteria emphasizes comfort, warmth and relaxing. An addition, open space and curtain wall makes more comfort with outdoor view.



LOBBY

the lobby provides the perfect balance between form and function as it strives to offer a showstopping space that will create the best possible first impression while performing a number of crucial



INDOOR GARDEN

Indoor garden can control the weather, protect from pests and control air purification.



HUMAN EYES VIEW



WOOD



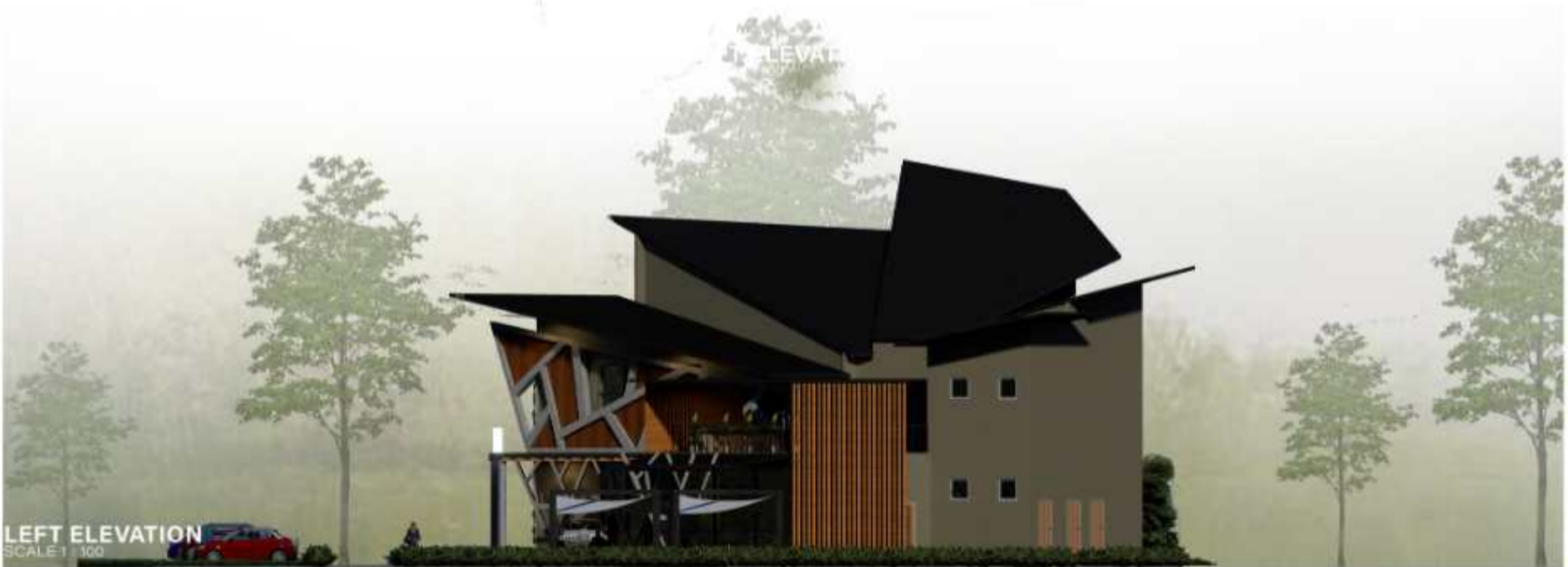
PLASTER SURFACE



BRICK



METAL ROOF



LEFT ELEVATION
SCALE 1:100



RIGHT ELEVATION
SCALE 1:100



TRADISI ART COMMUNITY CENTRE

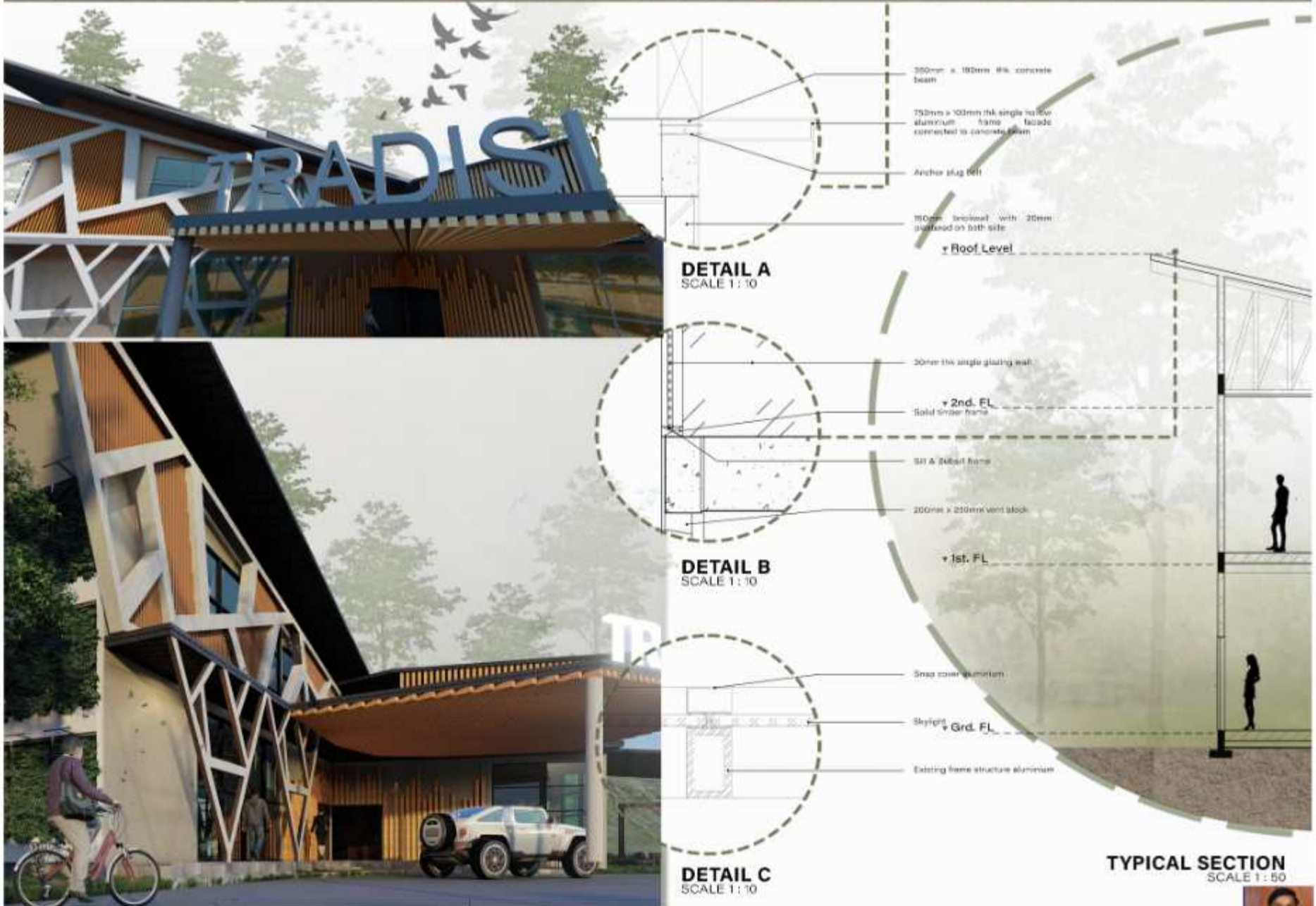
QAMARUL AZAM BIN SAHRUDIN



SECTION A-A
SCALE 1 : 100



SECTION B-B
SCALE 1 : 100



DETAIL A
SCALE 1 : 10

DETAIL B
SCALE 1 : 10

DETAIL C
SCALE 1 : 10

TYPICAL SECTION
SCALE 1 : 50



TRADISI ART COMMUNITY CENTRE

QAMARUL AZAM BIN SAHRUDIN



OUTDOOR AREA



HUMAN EYE VIEW



OPEN SPACE AREA

ROOF LEVEL



TRUSSES



FIRST FLOOR LEVEL



GROUND FLOOR LEVEL



FOOTING LEVEL



EXPLODED VIEW



MINI GARDEN
The garden's design demonstrates a sense of balance and response to the surrounding.



GREEN WALL
To increase energy efficiency, reduce indoor and outdoor temperatures and improve air quality.



GREEN ROOF SYSTEM
Green roof provide shade, remove heat from the air, and reduce the temperature of roof surface and surrounding air.



FACADE SYSTEM
It brings significant reductions in HVAC reliance by reducing the overall amount of heat absorption by the buildings in hot weather conditions.



CURTAIN WALL
This for yielding natural lighting through reception during daytime.



WAHDAH ART COMMUNITY CENTRE

Nur Liyana Binti Mohd Rizal

WAHDAH ART COMMUNITY CENTRE

NUR LIYANA BINTI MOHD RIZAL

WAHDAH ART COMMUNITY CENTRE



KEY PLAN
NTS



LOCATION PLAN
NTS

ISSUES

- currently no art community centre in Port Dickson.
- to unite the multiracial community.
- encourage people to engage in cultural arts events.
- strategic place because there are many tourist activities surrounded site.
- to utilizing renewable energy like solar power.

AIM

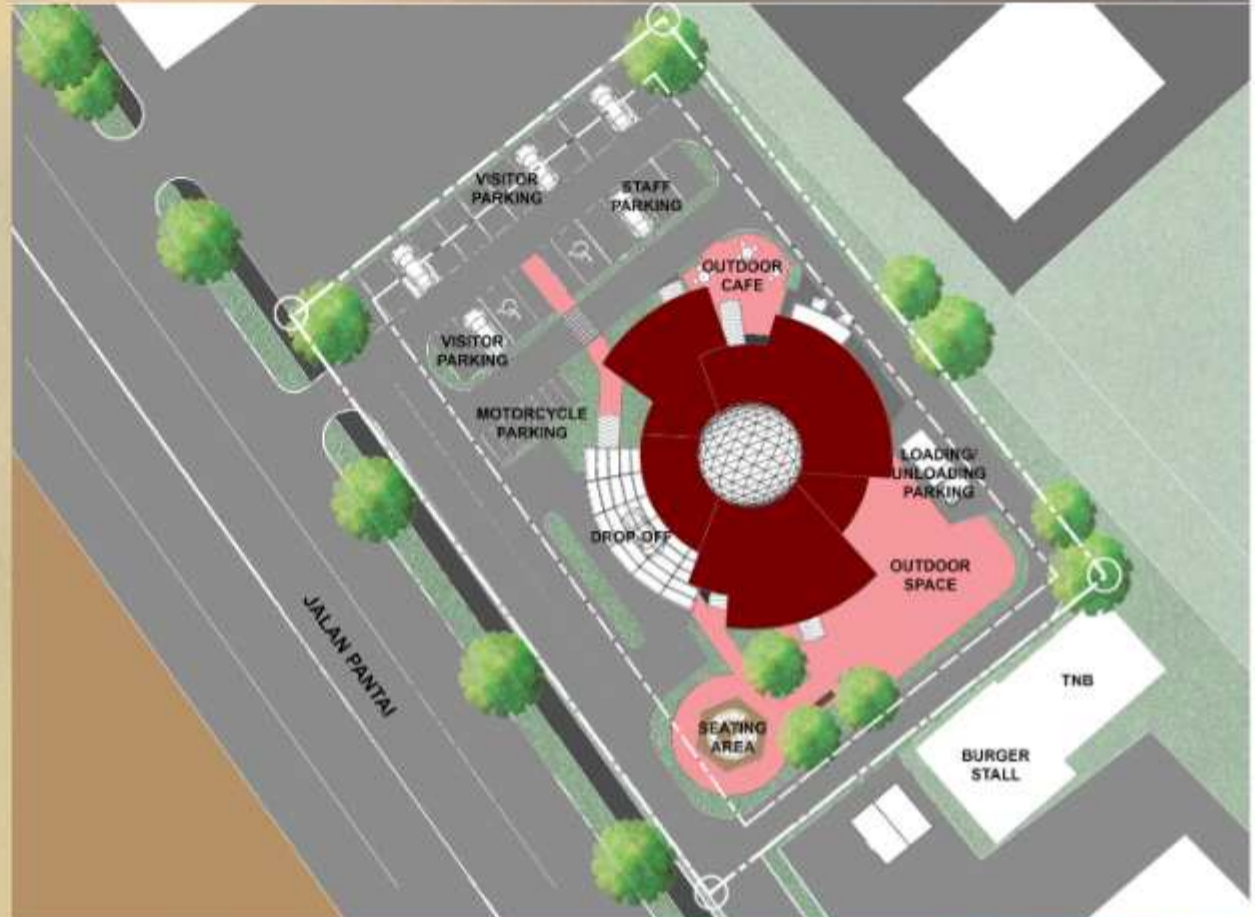
To propose the design of art community centre that symbolizes the different culture and races in Malaysia, based on unity concept.

OBJECTIVES

- to organize the areas based on radial organization to connecting all spaces as a main things.
- to apply the motif and colour based on 3 main races in Malaysia traditional clothes and textile.
- to create an open space in the middle of inside the building in order to give the natural lighting.
- to utilize green design strategies such as build atrium and use solar power for energy saving and sustainable.

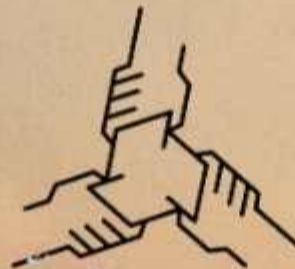
INTRODUCTION

The WAHDAH art community centre is a multi-ethnic and multicultural diversity of this area, it is also a haven for textile and fashion enthusiasts, offering a dynamic space where innovation meets tradition and imagination knows no bounds. It is located at pantai saujana batu 4, port dickson. this art centre will be the social and creative heart to connecting people of all ages cultural and backgrounds. it is functions as a core of information, art, and culture centre on people and community life.

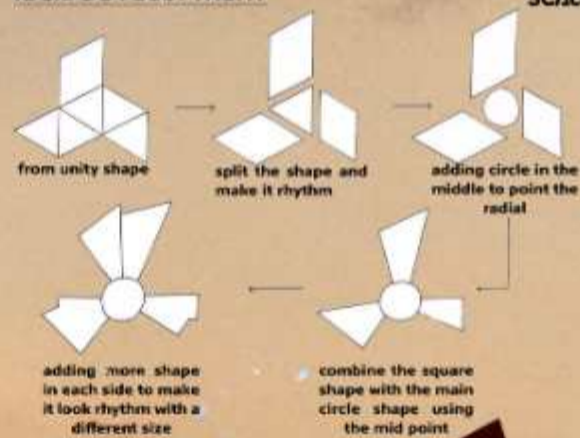


CONCEPT

As we know in Malaysia, have 3 different of races, that is Malay, Chinese and Indian. So with this art community centre, it can unity among all races in Port Dickson and others



IDEA DEVELOPMENT



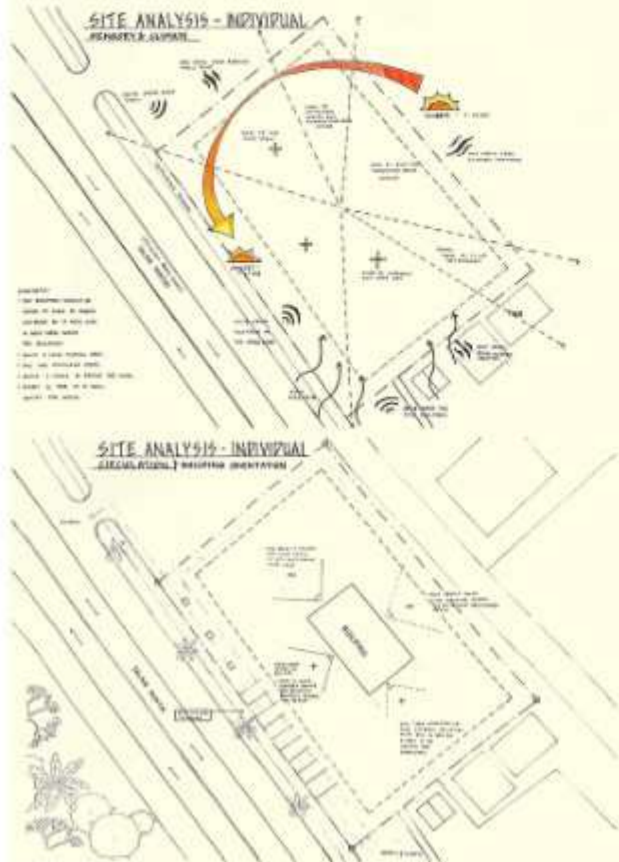
SITE PLAN
SCALE 1:250



WAHDAH ART COMMUNITY CENTRE

NUR LIYANA BINTI MOHD RIZAL

SITE ANALYSIS



SYNTHESIS:

- the building should be facing to pantal saujana so it will give a good view inside the building.
- build a close disposal area.
- put the drainage cover.
- build a fence to reduce the noise.
- plant a tree to absorb the noise in the main road.

CASE STUDY

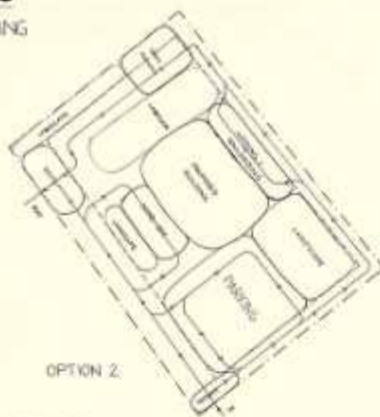


Agueda Arts Center / And-re' Architects

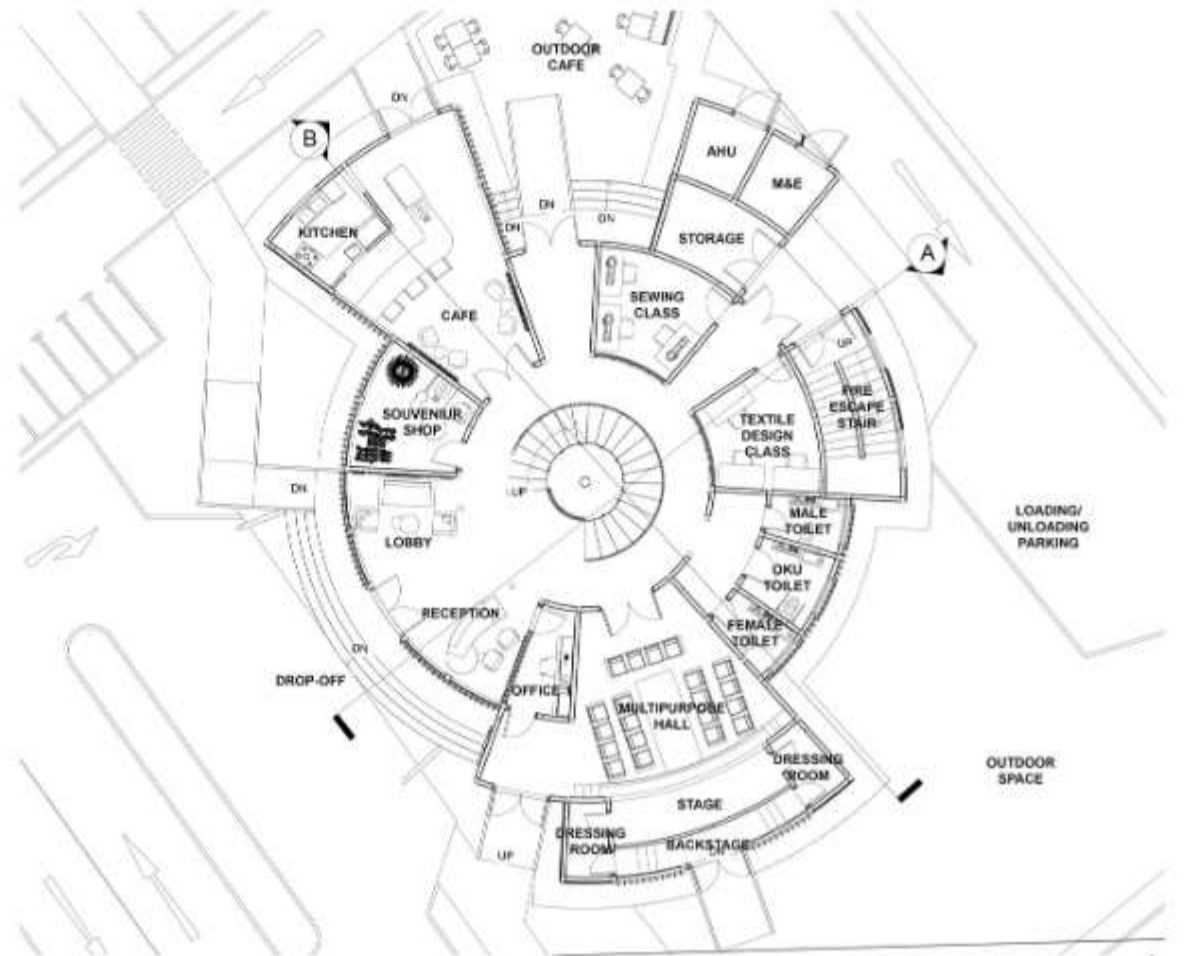
- building form using radial organization.
- using natural lighting with skylight.
- the materials are concrete and glass.
- have 2 level in the building.

SITE ZONING

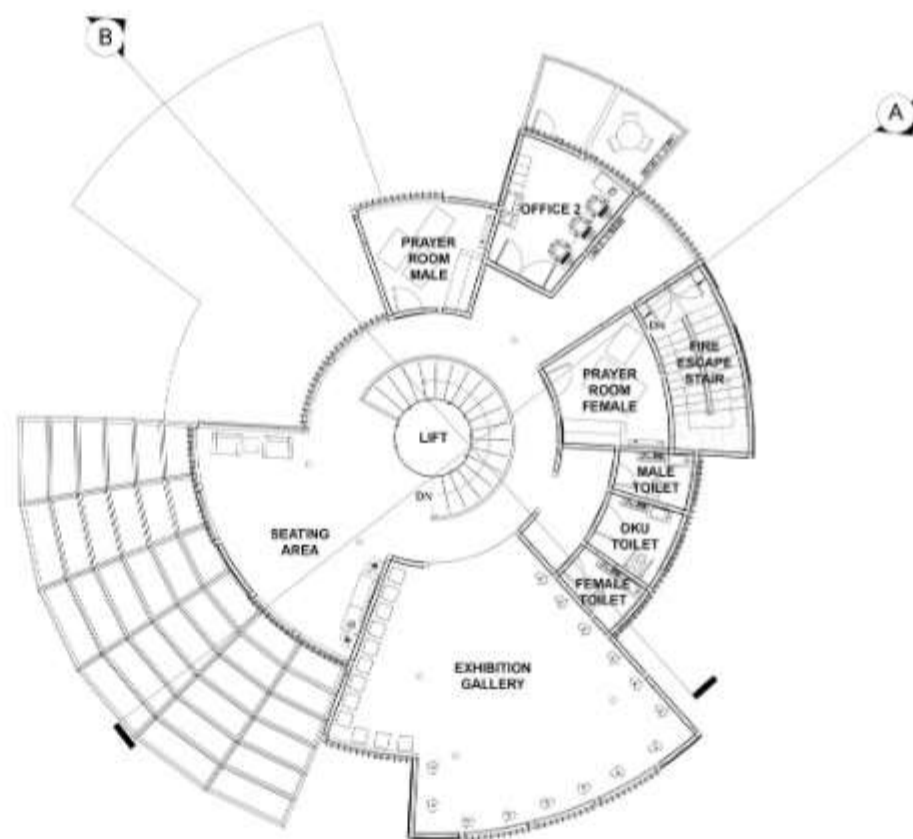
SITE ZONING
SCALE 1:1000



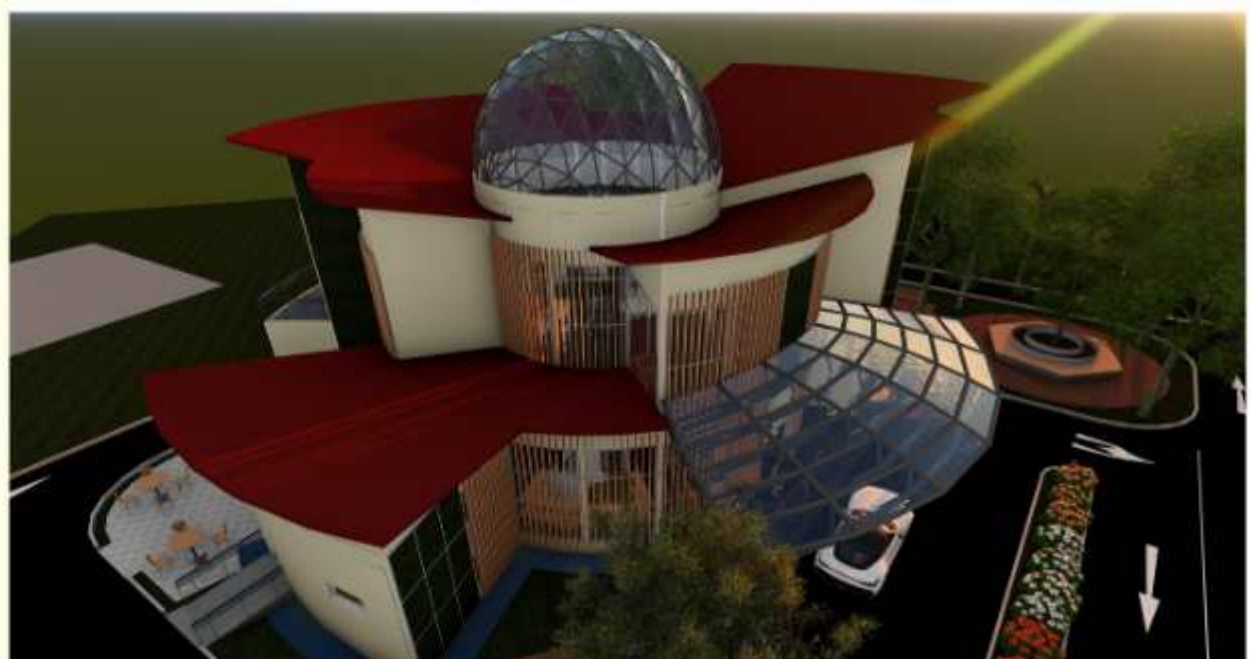
SPATIAL DIAGRAM



GROUND FLOOR PLAN
SCALE 1:100



FIRST FLOOR PLAN
SCALE 1:100



WAHDAH ART COMMUNITY CENTRE

NUR LIYANA BINTI MOHD RIZAL



WAHDAH ART COMMUNITY CENTRE

NUR LIYANA BINTI MOHD RIZAL



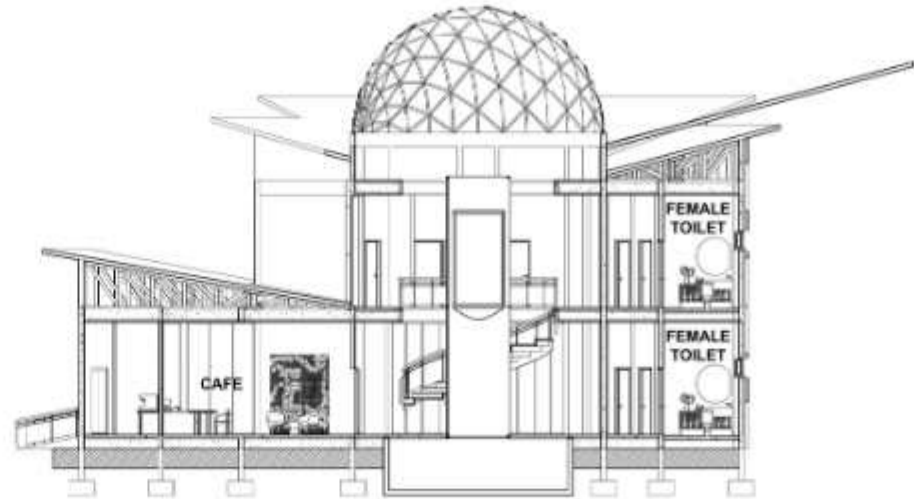
EXHIBITION GALLERY



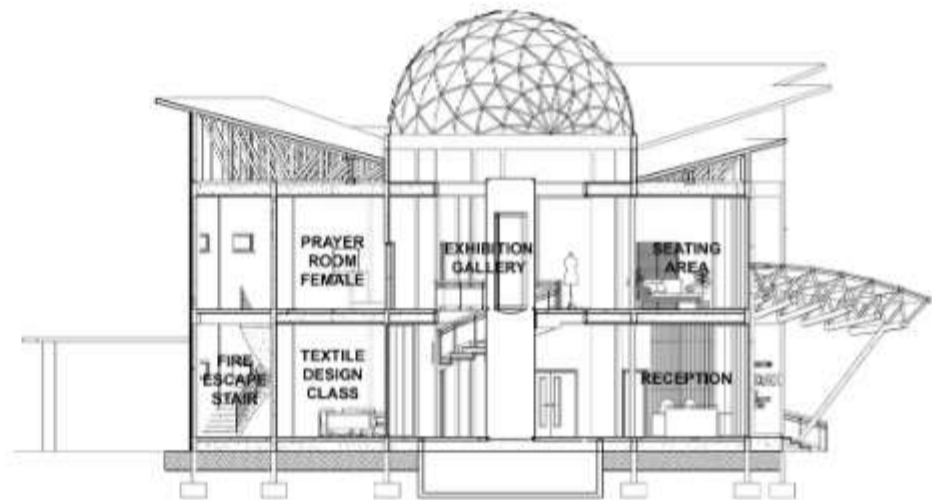
SOUVENIOR SHOP



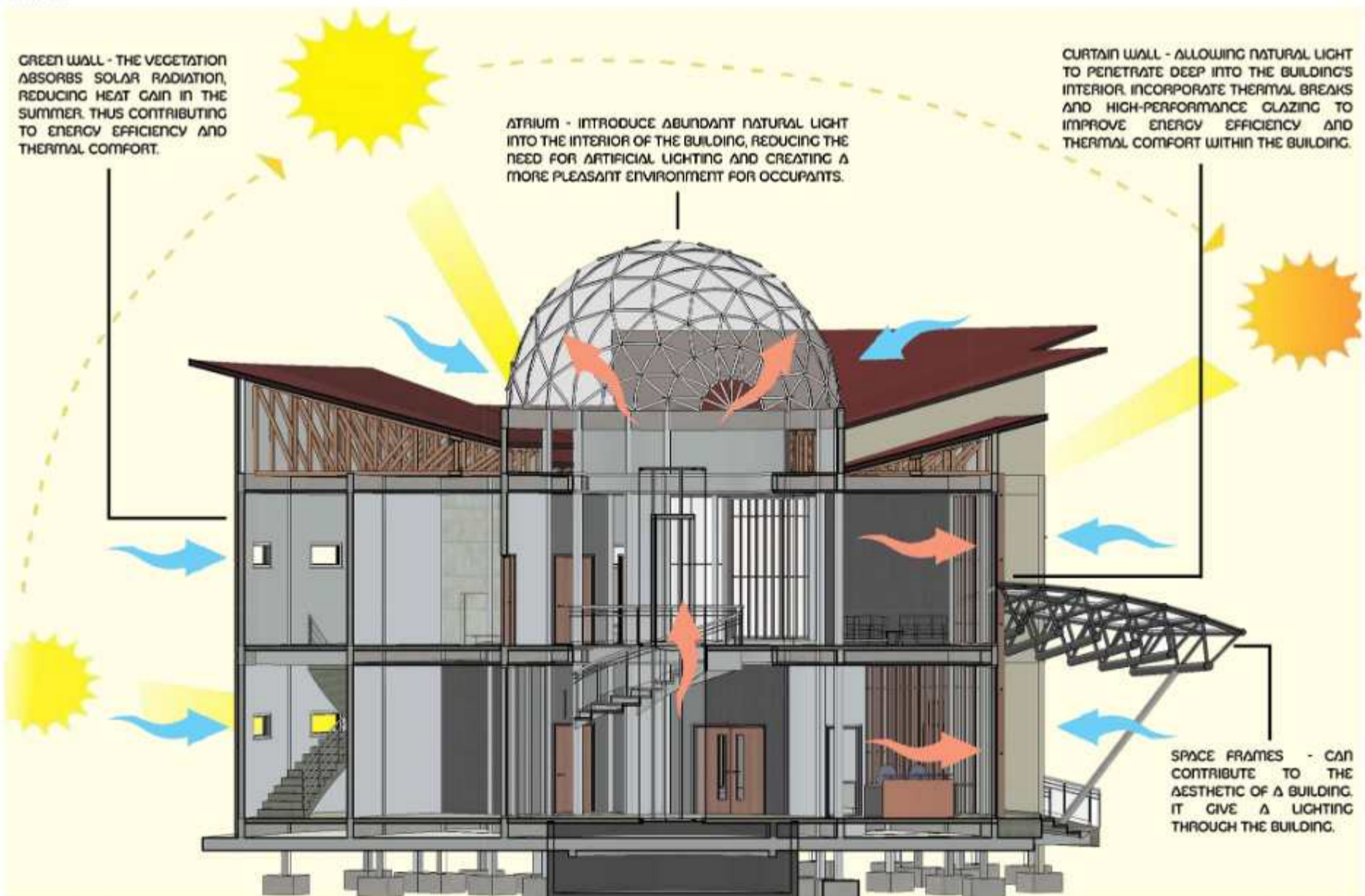
CAFE



SECTION A-A
SCALE 1:100

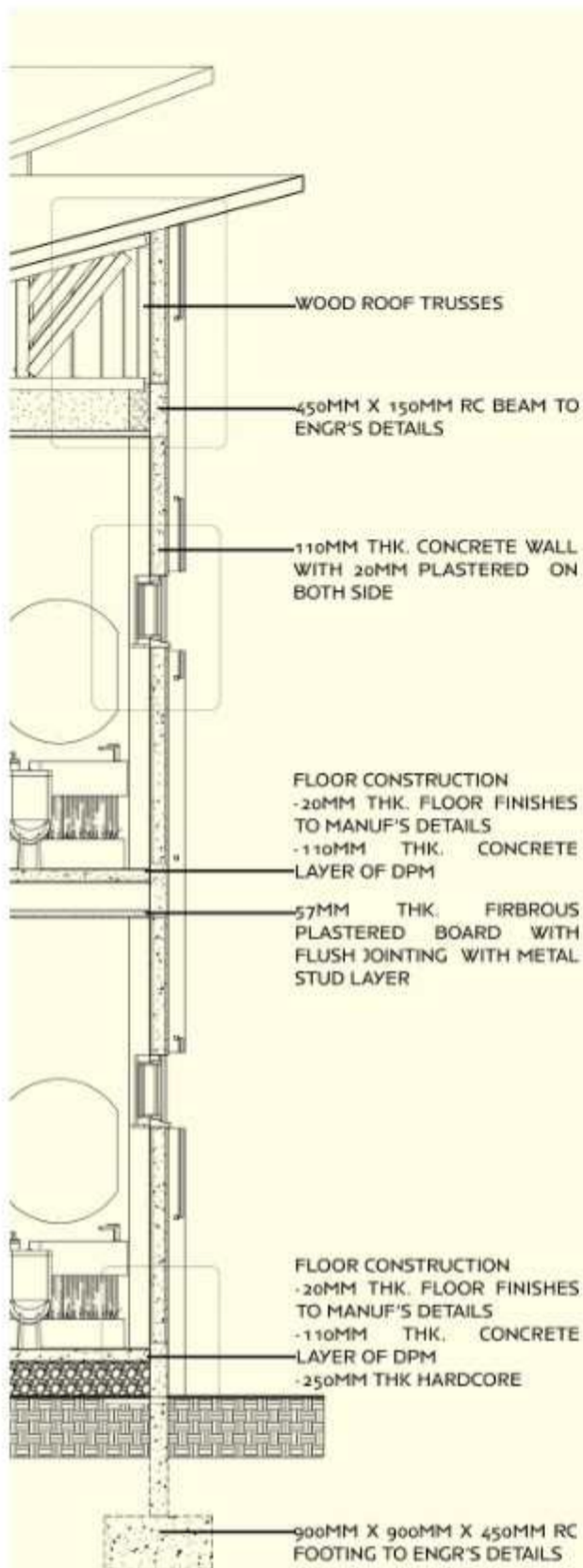


SECTION B-B
SCALE 1:100

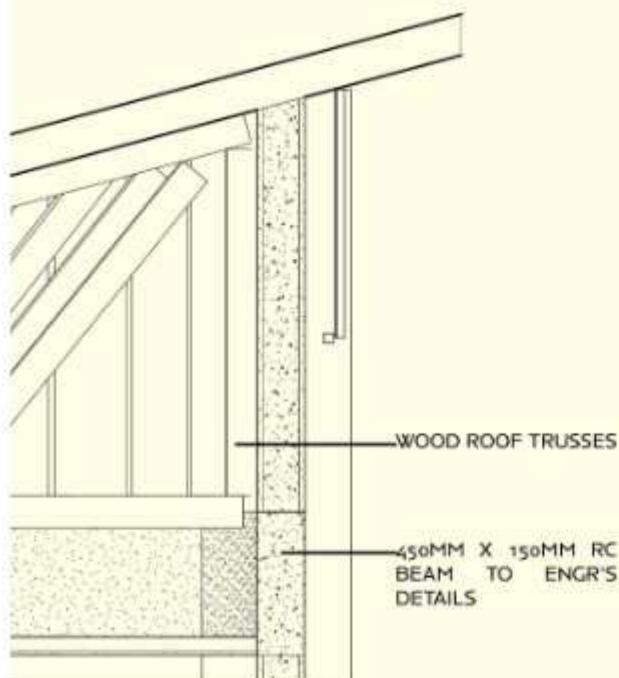


WAHDAH ART COMMUNITY CENTRE

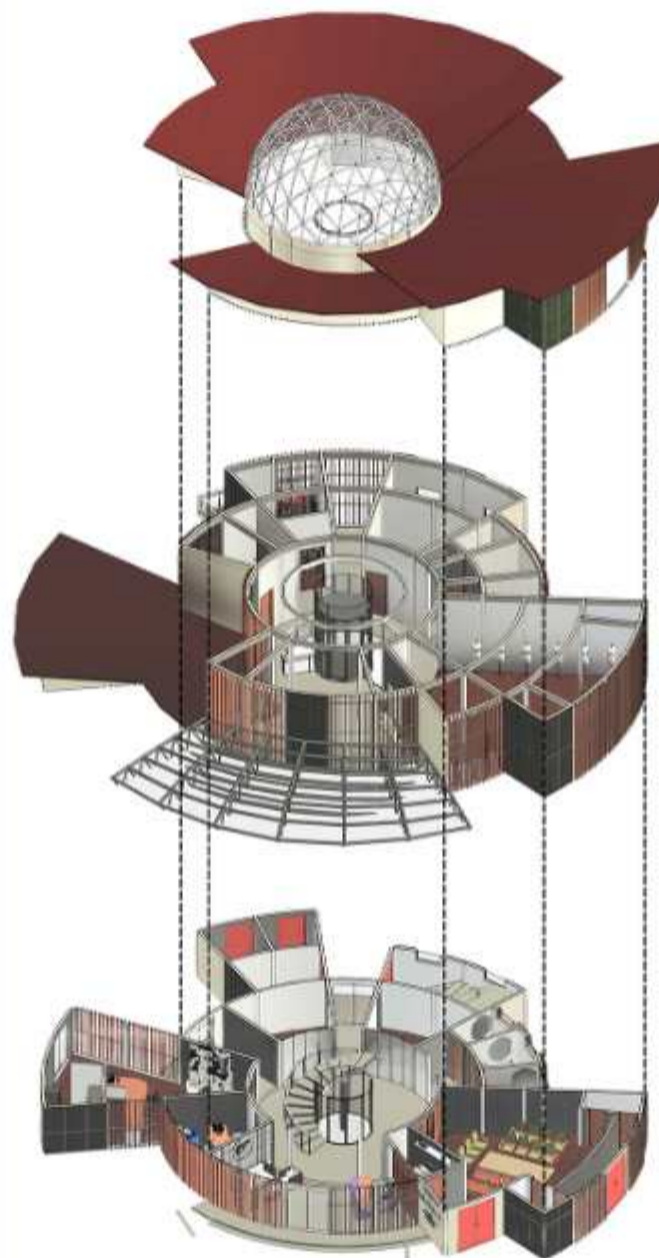
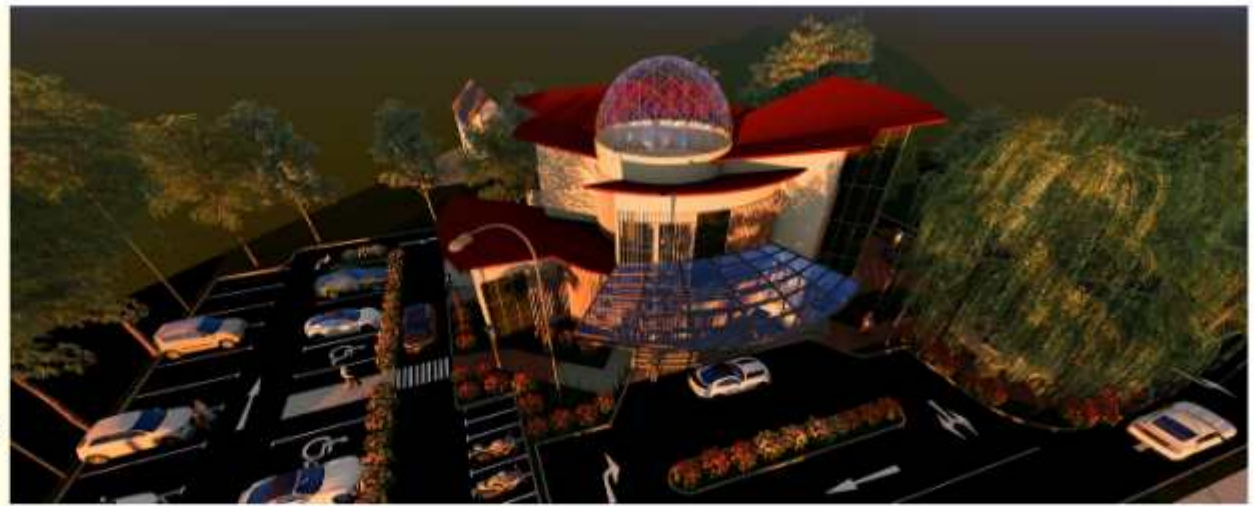
NUR LIYANA BINTI MOHD RIZAL



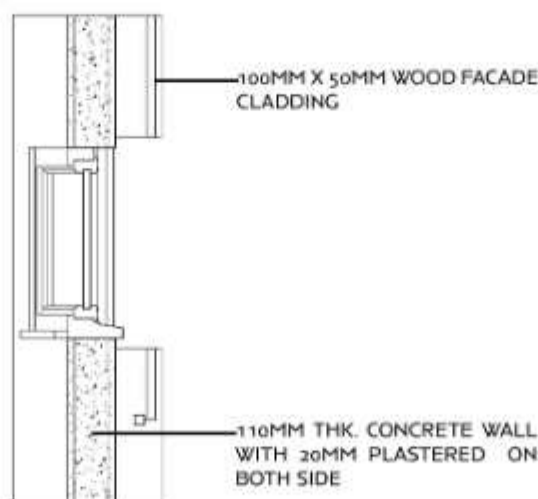
TYPICAL SECTION
SCALE 1:25



DETAIL A'
SCALE 1:10



EXPLODED VIEW



DETAIL B'
SCALE 1:10



OFFICE 2 VIEW



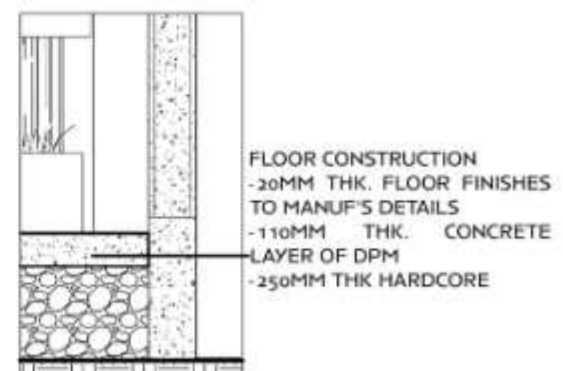
SEATING AREA VIEW



MULTI-PURPOSE HALL VIEW



LOBBY VIEW



DETAIL C'
SCALE 1:10

THE BAKO ART COMMUNITY CENTRE

Nur Bahyah Sakina Binti Sazali

THE BAKO ART COMMUNITY CENTRE

NUR BAHYAH SAKINA BINTI SAZALI



INTRODUCTION

Art Community Centre is Located at Batu 8 Pantai Sempang, Port Dickson. This project has a great view near to the beach. This building suitable for public such as adult, kids and the others. The purpose of the building is to show people about traditional wood working and sculpture in Negeri Sembilan.

AIM

To propose the design of Community Art Centre that encourage community development based on interlocking building concept.

ISSUE

Art Center

- Port Dickson area does not have a community art centre.
- Traditional craft are less known by the public.

Green

- The weather in site area is very hot due to it's proximity to the beach.
- There is a lack of trees in the site area

CASE STUDY (ARANYA ART CENTRE)



This building facade which represent an active repetition to the building facade as an attraction, while the modded modular units pick up on the play shadows throughout the day.



Material use in this building is concrete which is using various textured concrete, with and without aggregate.

TARGET USER



STUDENT



FAMILY



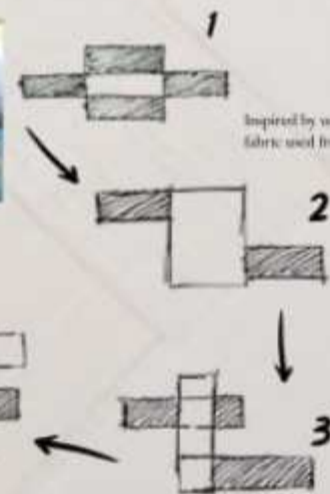
TOURIST

IDEA & CONCEPT DEVELOPMENT

Design a building in interlocking concept because it can be found on natural object or man-made object with their own function and value in addition to their aesthetic value.



BAKO

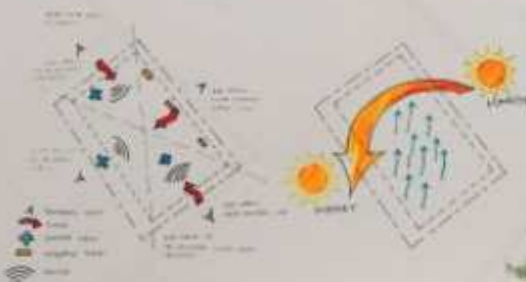


KEY PLAN
NUT 2018 SCALE



LOCATION PLAN
NUT 2018 SCALE

SITE ANALYSIS

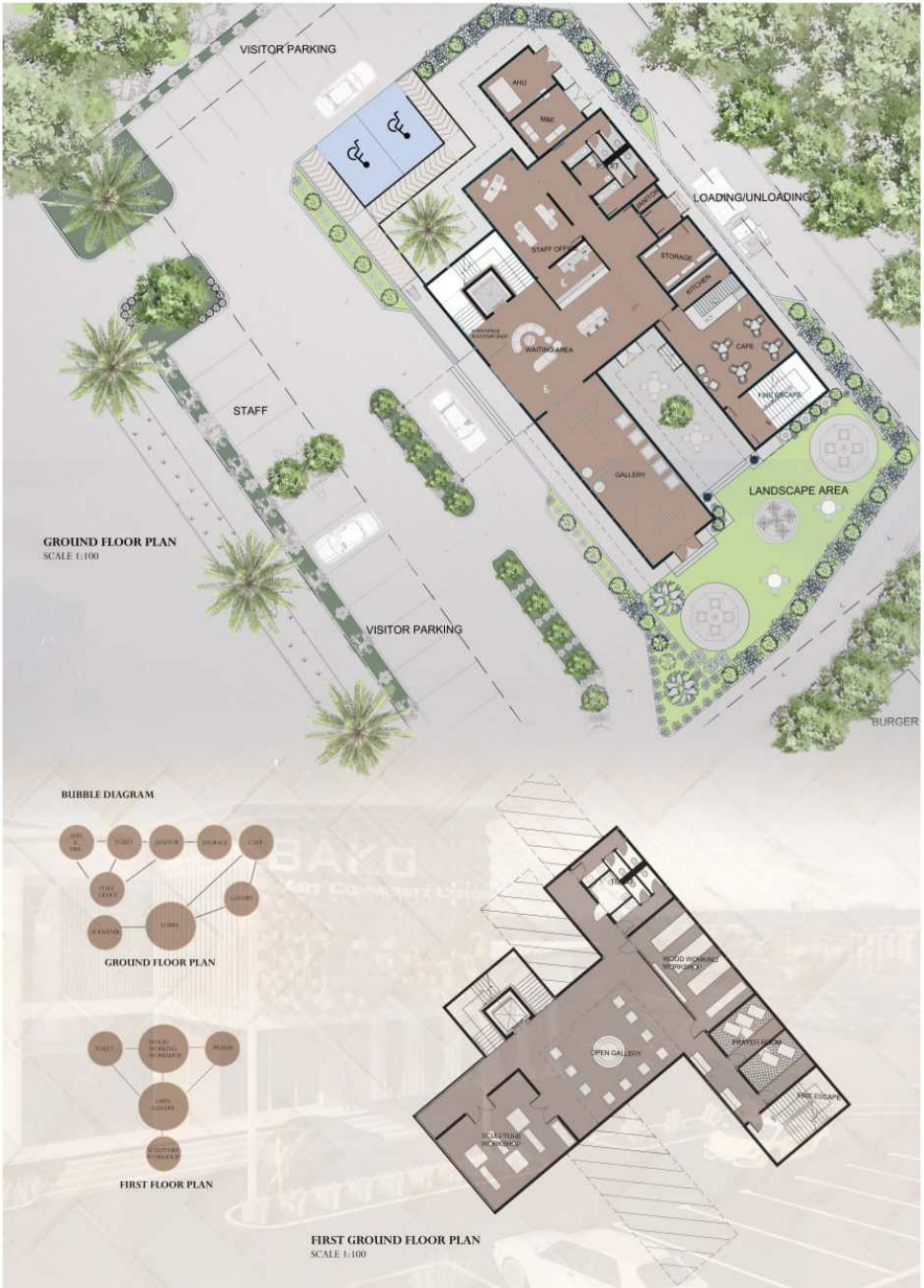


ZONING DIAGRAM



THE BAKO ART COMMUNITY CENTRE

NUR BAHYAH SAKINA BINTI SAZALI



THE BAKO ART COMMUNITY CENTRE

NUR BAHYAH SAKINA BINTI SAZALI



LEFT ELEVATION
SCALE 1: 100



REAR ELEVATION
SCALE 1: 100



CAFE



SCULPTURE
WORKSHOP



MAIN GALLERY



LOBBY

THE BAKO ART COMMUNITY CENTRE

NUR BAHYAH SAKINA BINTI SAZALI



FRONT ELEVATION
SCALE 1: 100



RIGHT ELEVATION
SCALE 1: 100



OUTSIDE VIEW

OKU PARKING



LANDSCAPE AREA



OPEN CAFE

THE BAKO ART COMMUNITY CENTRE

NUR BAHYAH SAKINA BINTI SAZALI



SECTION X-X
SCALE 1:100

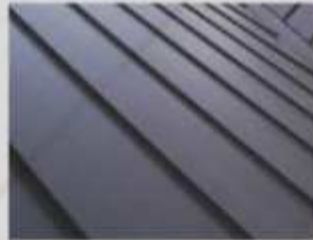


SECTION Y-Y
SCALE 1:100

MATERIALS



WOOD



METAL ROOF



CONCRETE



GLASS

PASSIVE DESIGN



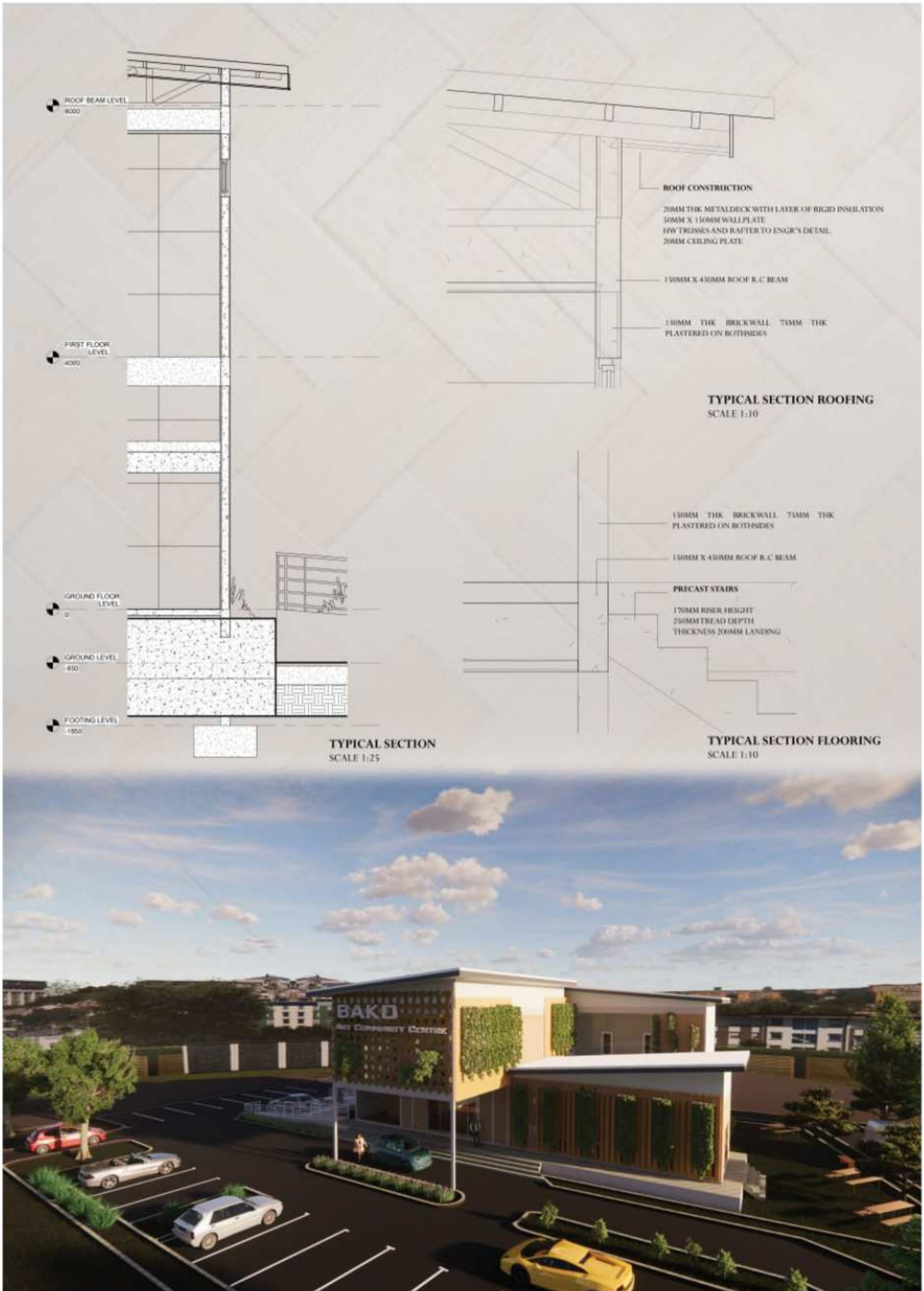
A green wall improves air quality, reduce energy cost by insulating building. this building also integrating vegetation and facade to lower the temperature inside and outside building.



Allow natural lighting to reduces the need for artificial lighting during the day but also promotes a healthier and more pleasant indoor environment.

THE BAKO ART COMMUNITY CENTRE

NUR BAHYAH SAKINA BINTI SAZALI



MINANG
KABAU
ART
COMMUNITY
CENTRE

Muhammad Iman Ramadhan Bin Zulkefli

MINANGKABAU ART COMMUNITY CENTRE

MUHAMMAD IMAN RAMADHAN BIN ZULKEFLI

MINANGKABAU THEATER

INTRODUCTION

In Malaysia, local communities and student in urban areas such as port dickson seemed not interested in listening to traditional and history

Art communities center is as one of the solutions to attract communities interest through the potential to provide a comfortable place to see traditional and historical performances

AIM

To design art communities center that expose to nature and open up opportunities for people around batu 4 port dickson to get know about history of Negeri Sembilan and traditional of Negeri Sembilan.

ISSUE

- Nature space and intergrate with surrounding
- energy effelency systemfor the building
- iconic impression aroundthe site
- transition between space that universal

OBJECTIVE

- Urban green that can eliminate carbon emission from the building exterior .
- Keeping the identity of traditional Negeri Sembilan .
- To make building orientation to ensure the building in visible from the entrance.
- Reduce usage of ACMC by creating a good ventilation in building.

DESIGN CONCEPT

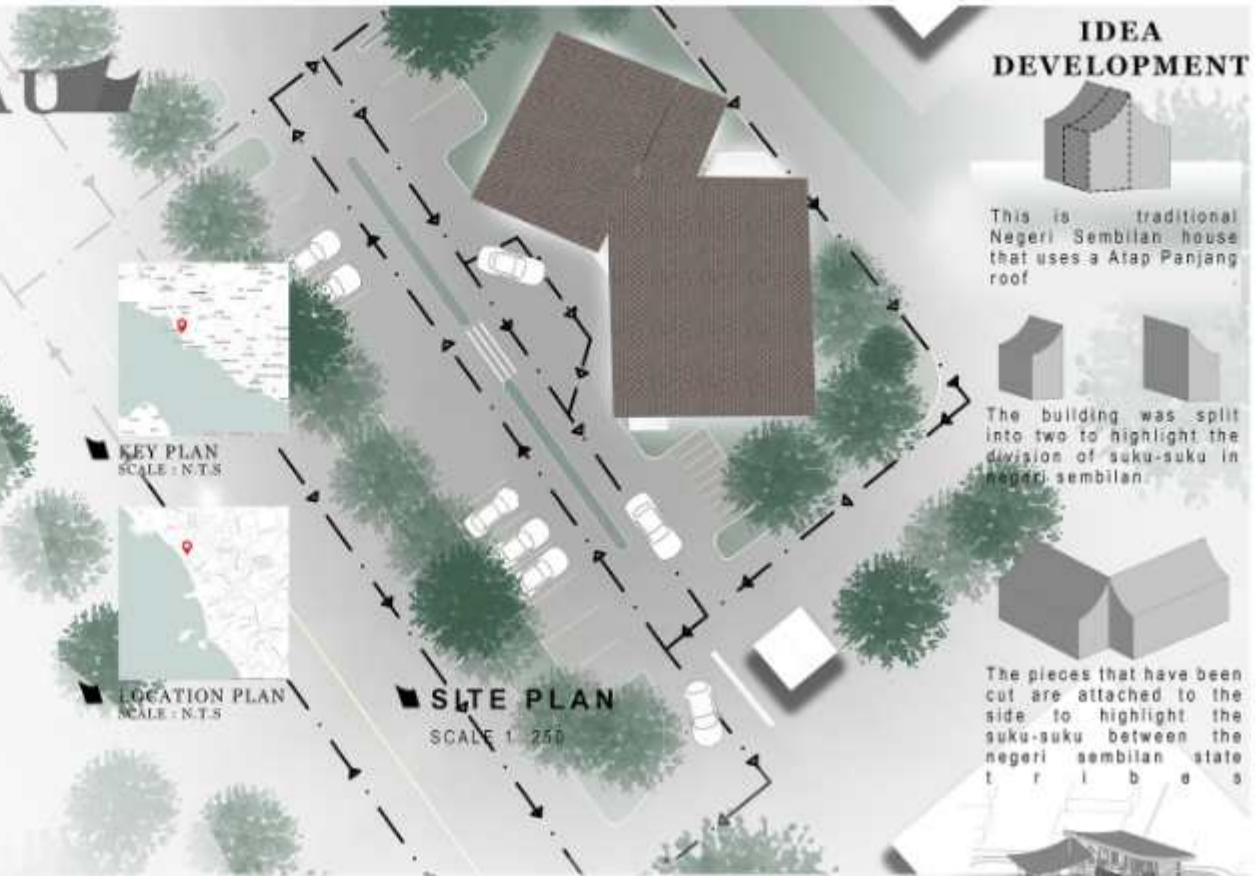


The concept that has been used is the modern traditional concept . this concept can be seen from the shape of the curve roof showing the traditional identity of Negeri Sembilan . This building also designed with the various history of Negeri sembi-

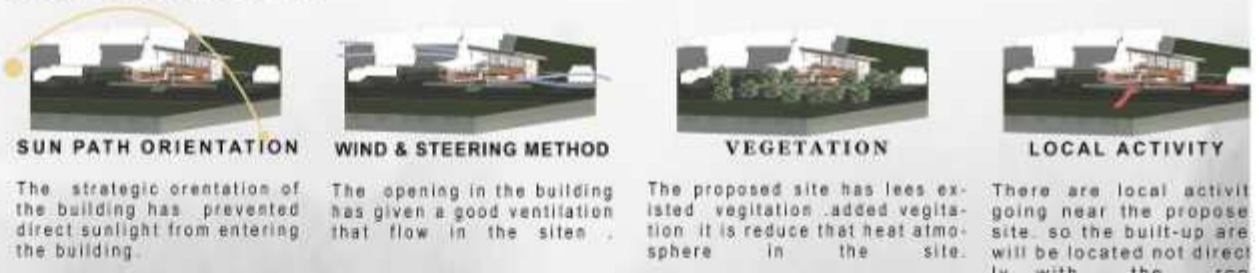
STUDENT STUDY



Student are the most important target so that they can innovate history in the future. In this generation, teachers can open their minds more broadly about traditional and modern. Not to forget the disability with ability the opportunity will give them a viable culture experience.



SITE ANALYSIS



SITE PLANNING



MINANGKABAU ART COMMUNITY CENTRE

MUHAMMAD IMAN RAMADHAN BIN ZULKEFLI

CASE STUDY



LOCAL CASE STUDY (ISTANA BUDAYA)

Istana budaya is one of the attract tourists because of its unique and traditional design. From this case study, I have applies the unique design in this building to the Minangkabau Theater building.

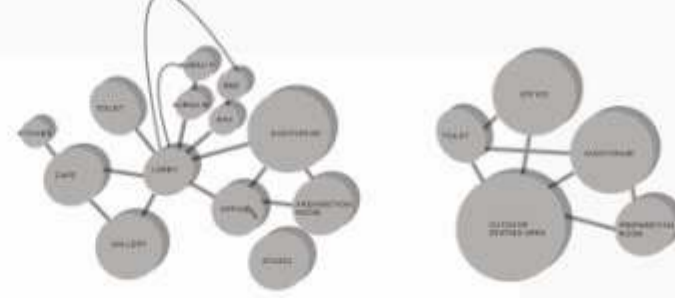


INTERNATIONAL CASE STUDY (BAIYUNTING)

Baiyunting Gallery is a building that uses a modern concept and a storied space arrangement for visitors. This building is applied inside the Minangkabau Theater building.



SPATIAL DIAGRAM



FIRST FLOOR

SPACE PLANING

No	Room/Function	Unit	Area (m ²)	Vol
1	Reception	10	10.0	100
2	Office	10	10.0	100
3	Cafe	10	10.0	100
4	Toilet	10	10.0	100
5	Storage Room	10	10.0	100
6	Office	10	10.0	100
7	Office	10	10.0	100
8	Office	10	10.0	100
9	Office	10	10.0	100
10	Office	10	10.0	100
11	Office	10	10.0	100
12	Office	10	10.0	100
13	Office	10	10.0	100
14	Office	10	10.0	100



SPACE ZONING



GROUND FLOOR

SCALE 1 : 100



FIRST FLOOR

SCALE 1 : 100



2

MUHAMMAD IMAN RAMADHAN BIN ZULKEFLI 06DSB21F2048

DCA40155 DESIGN STUDIO 4

MINANGKABAU ART COMMUNITY CENTRE

MUHAMMAD IMAN RAMADHAN BIN ZULKEFLI



THIS IS THE VIEW INSIDE THE THEATER ROOM THAT IS USED FOR PERFORMANCES



THIS IS A VIEW INSIDE THE PREPARATION ROOM USED TO PREPARE FOR THE PRESENTATION



THIS IS VIEW FROM THE OPEN SPACE AREA USED TO ENJOY THE VIEW FROM ABOVE



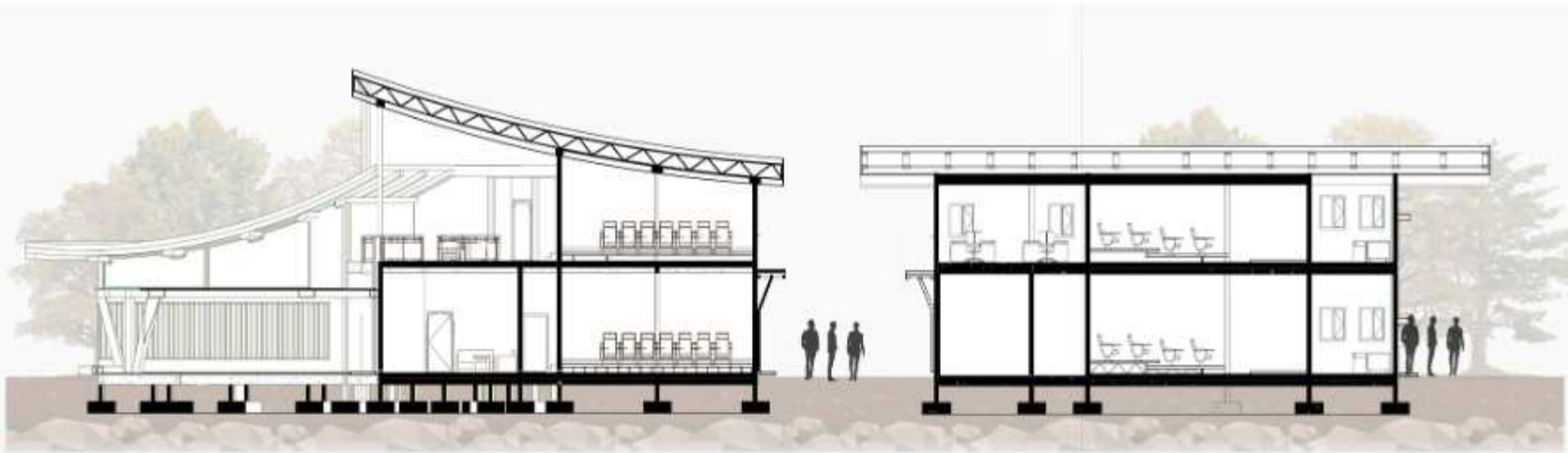
3

MUHAMMAD IMAN RAMADHAN BIN ZULKEFLI 06DSB21F2048

DCA40155 DESIGN STUDIO 4

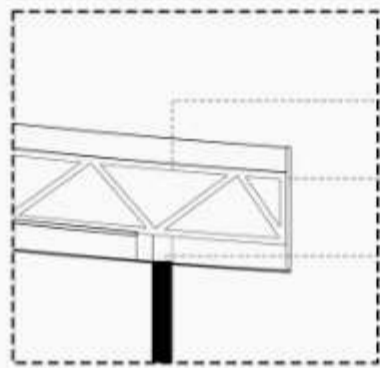
MINANGKABAU ART COMMUNITY CENTRE

MUHAMMAD IMAN RAMADHAN BIN ZULKEFLI



REAR ELEVATION
SCALE : 1:100

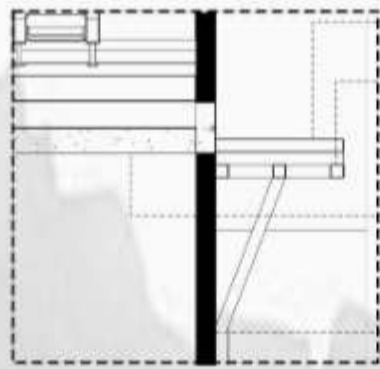
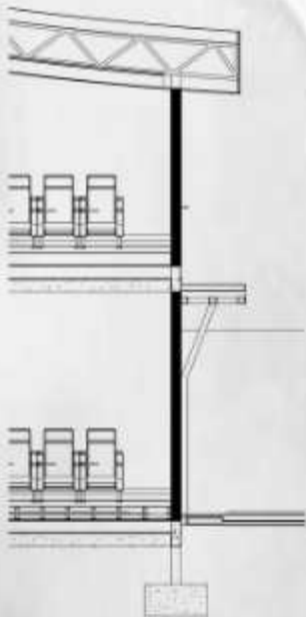
REAR ELEVATION
SCALE : 1:100



- 50 MM THK STEEL TRUSS TO ENG DETAIL
- 50MM X 400MM STEEL FACIA BOARD TO ENG DETAIL
- 150MM X 300MM CONCRETE BEAM TO KANIT DETAIL

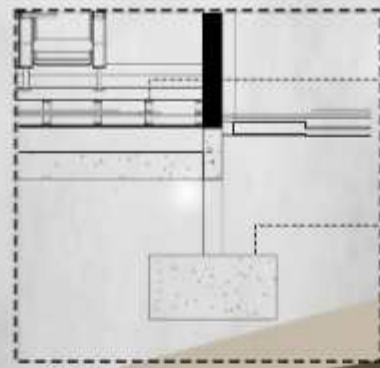
SCALE : 1:25

TYPICAL SECTION
SCALE : 1:50



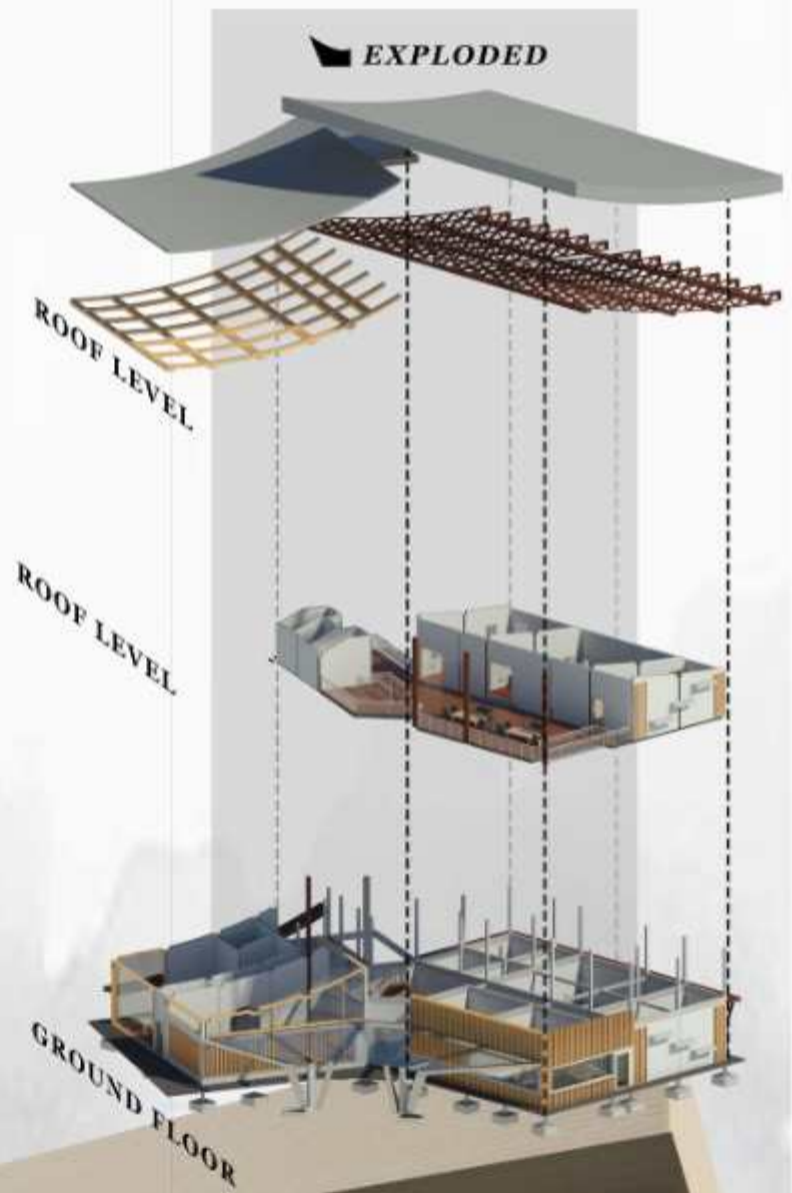
- 25MM X 180MM GLASS FINISH TO MATCH EXISTING
- 50MM X 50MM TEAK WOOD TO MAKAP'S DETAIL
- 50MM X 300MM CONCRETE BEAM TO WANLIFE DETAIL
- 150MM CONCRETE WALL TO ENG DETAIL

SCALE : 1:25



- 30MM X 100MM STEEL TRUSS TO WANLIFE DETAIL
- 300MM X 60MM CONCRETE SLAB TO ENG DETAIL

SCALE : 1:25



EXPLODED

ROOF LEVEL

ROOF LEVEL

GROUND FLOOR



5

MUHAMMAD IMAN RAMADHAN BIN ZULKEFLI o6DSB21F2048

DCA40155 DESIGN STUDIO 4

MINANGKABAU ART COMMUNITY CENTRE

MUHAMMAD IMAN RAMADHAN BIN ZULKEFLI

SUSTAINABLE DEVELOPMENT



AIR QUALITY



NATURAL LIGHT



SUN SHADING



GREEN FEATURE

The opening in the building applied a the application of skylight allow application of sun shaded overhang green element is applied to give a multiple type of ventilation . So it was sunlight travels and reflects between allow to eliminate correct sunlight to the building of technology with natural archives and glass thermal each space from sunrise / evening.



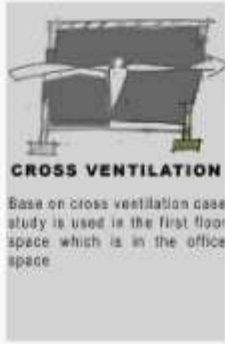
THE VIEW FROM THE PARKING LOT SHOWS THE GREEN WALL THAT IS USED TO PROVIDE COMFORT TO VISITORS ON THE LANDSCAPED.

VENTILATION CASE STUDY



STACK VENTILATION

Base on case study stack ventilation has been used in gallery space and cafe space



CROSS VENTILATION

Base on cross ventilation case study is used in the first floor space which is in the office space



LOW AND HIGH POSITION

base on low and high position ventilation case study used in office ,studio and preparation room



SINGLE SIDED VENTILATION

Base on single sided ventilation is used in the theater space because there are not many openings in this space so as to reduce the lighting entering the space.



THE VIEW FROM THE DISABLE PARKING. SHOWS THE DROP OFF TO PROVIDE VISITORS CAN EASILY ENTER THE BUILDING.



THIS GALLERY SPACE IS USED FOR VISITORS TO SEE TRADITIONAL ART



THIS IS VIEW FOR CAFE THAT IS USED TO ENJOY MEALS IN THIS BUILDING



THIS IS A VIEW FROM THE BACK OF THE BUILDING TO SHOW THE PATHWAY



IRIS POINT
ART
COMMUNITY
CENTRE

Yasmin Binti Azmi

IRIS POINT ART COMMUNITY CENTRE

YASMIN BINTI AZMI

IRIS POINT COMMUNITY ART CENTRE

INTRODUCTION

Art Centre is a vibrant space that fosters artistic expression, cultural exchange, and creative exploration. It offers educational programs, workshops, and events to promote artistic development and enrich cultural life. By challenging perception and inspiring critical thinking, it contributes to a more inclusive and vibrant cultural landscape, celebrating and fostering cultural understanding.

ISSUE

- No proper place for teenager and kids to follow educational program and practice discipline of art.
- No better place for local artist to expression, exchange cultural and do creative exploration

AIM

To propose the design of design of Community Art Centre that provide place of creativity based on linked connection concept.



OBJECTIVE

1. To organize main space such as gallery hall based on radial organization to create a connection with other space
2. To apply abstract motif on facade to create aesthetic design building
3. To utilize green design strategies such as natural light and HVAC system for energy saving and sustainability

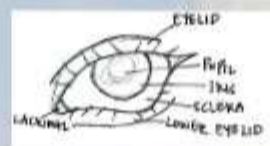
TARGET USER

Youth user



IDEA DEVELOPMENT & CONCEPT

Eye linked to emotion and states of mind and body "The eyes are the window of the soul". Vision starts when your eyes detect light and turn into coded nerve signal, which then travel through optic nerves to brain.



SITE ANALYSIS



SITE ZONING



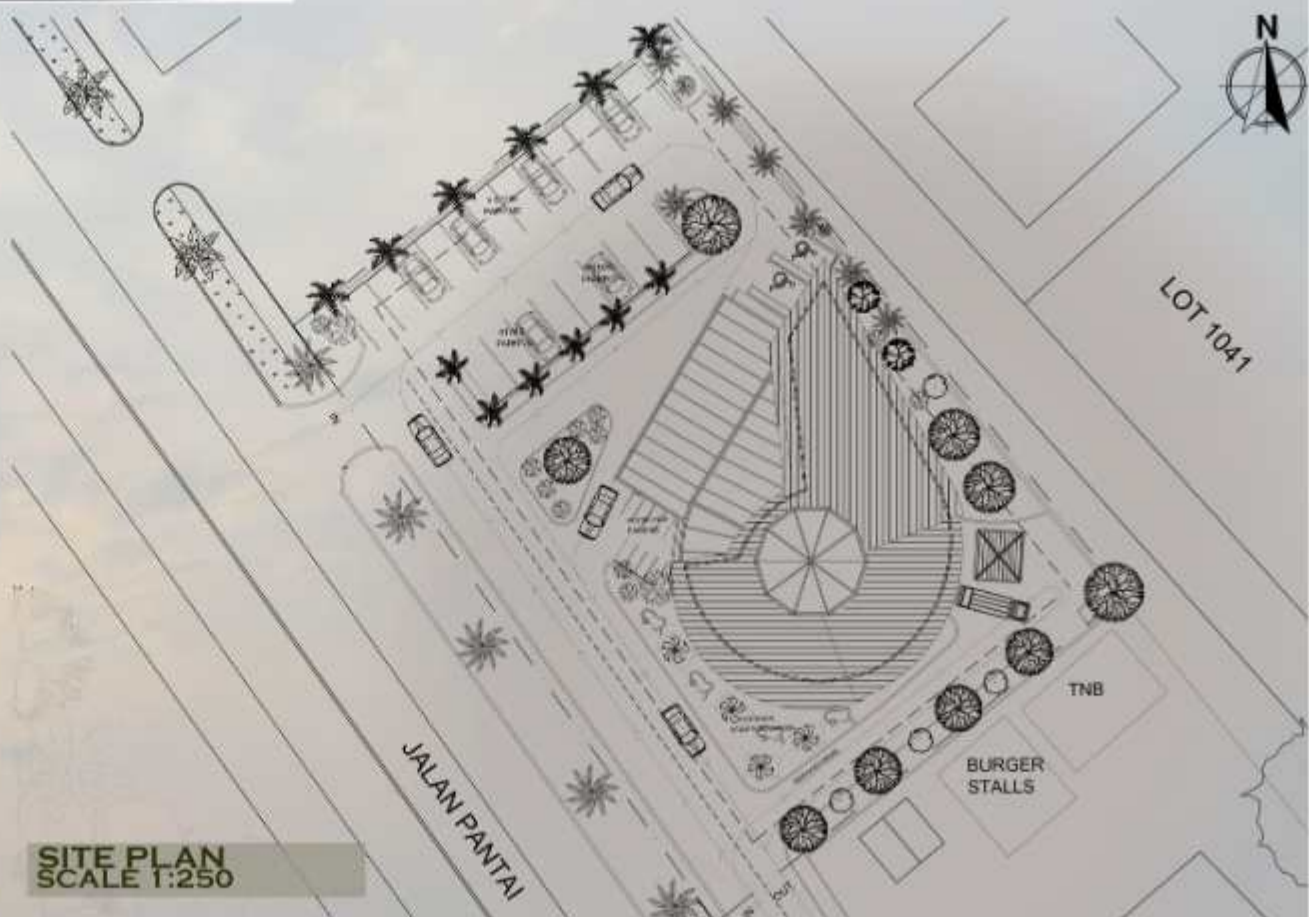
SPATIAL PLANNING



KEY PLAN NTS



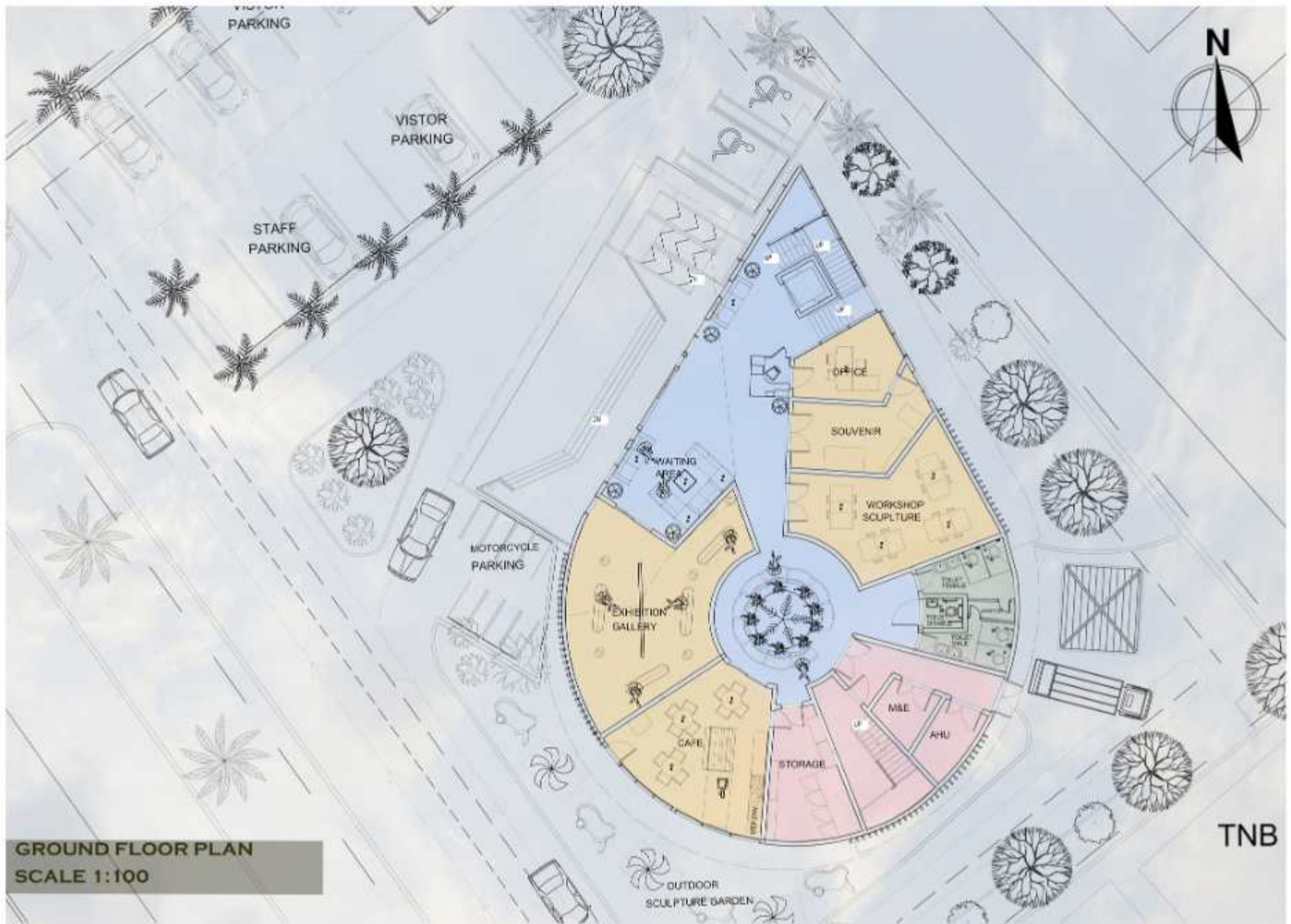
LOCATION PLAN NTS



SITE PLAN SCALE 1:250

IRIS POINT ART COMMUNITY CENTRE

YASMIN BINTI AZMI



GROUND FLOOR PLAN
SCALE 1:100

TNB

CASE STUDY

LOCAL : THE GODOWN , KUALA LUMPUR

The Concrete Annexe was designed with an open and airy concrete and steel structure. Ventilation is maximized due to open air structure. Natural lighting is maximized and building is energy efficient



INTERNATIONAL:ART GALLERY EXTENSION OF NANJING UNIVERSITY OF THE ART, NANJING, CHINA

Brutalist design style. the Textural concrete façade to the interplay of spatial volumes and architectural elements. Characteristics of calmness and modesty.



INTERIOR



WAITING AREA AND RECEPTION



EXHIBITION GALLERY



CAFE



PAINTING CLASSROOM



MULTIPURPOSE HALL



TERRACE

FIRST FLOOR PLAN
SCALE 1:100

IRIS POINT ART COMMUNITY CENTRE

YASMIN BINTI AZMI



FRONT ELEVATION
SCALE 1:100



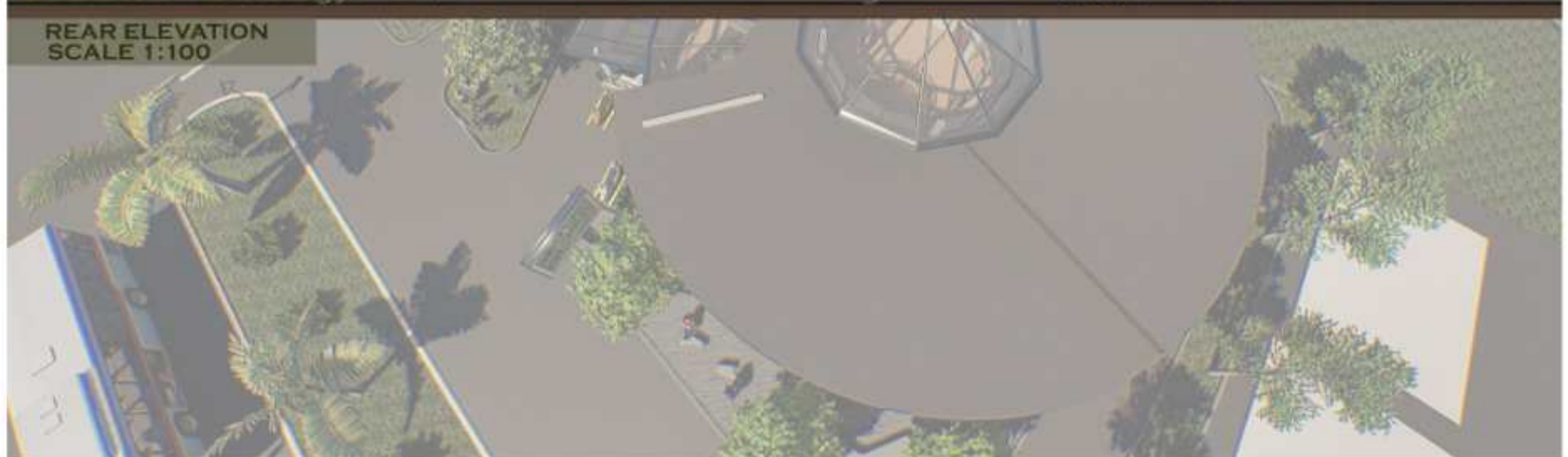
RIGHT ELEVATION
SCALE 1:100



LEFT ELEVATION
SCALE 1:100



REAR ELEVATION
SCALE 1:100



YASMIN BINTI AZMI || 0605822F 1015 || DSB4B

PUAN NORLIZA BT JOHAN || PUAN NORZALINA BT MD YUSOP || PUAN MAHANIM BT ABDULLAH SADALI

IRIS POINT ART COMMUNITY CENTRE

YASMIN BINTI AZMI



SECTION X-X
SCALE 1:100



SECTION Y-Y
SCALE 1:100

EXTERIOR PERSPECTIVE



DROP OFF



OUTDOOR



GREEN WALL

The green wall improving air quality, reducing energy costs, and serving as a natural acoustic filter, reducing noise levels in busy spaces.

CURTAIN WALL

The curtain walls are designed to be energy-efficient. Curtain walls can be integrated with operable windows that allow for natural ventilation. This feature enhances indoor air quality and provides occupants with the ability to connect with the surrounding environment.

TERRACE FARMING

Terrace farming boosts soil conservation, reduces sedimentation and water pollution.

ATRIUM

An atrium create a sense of openness and connection, enhance aesthetic appeal, improve air quality, and foster a healthy and green environment.

SECTIONAL PERSPECTIVE

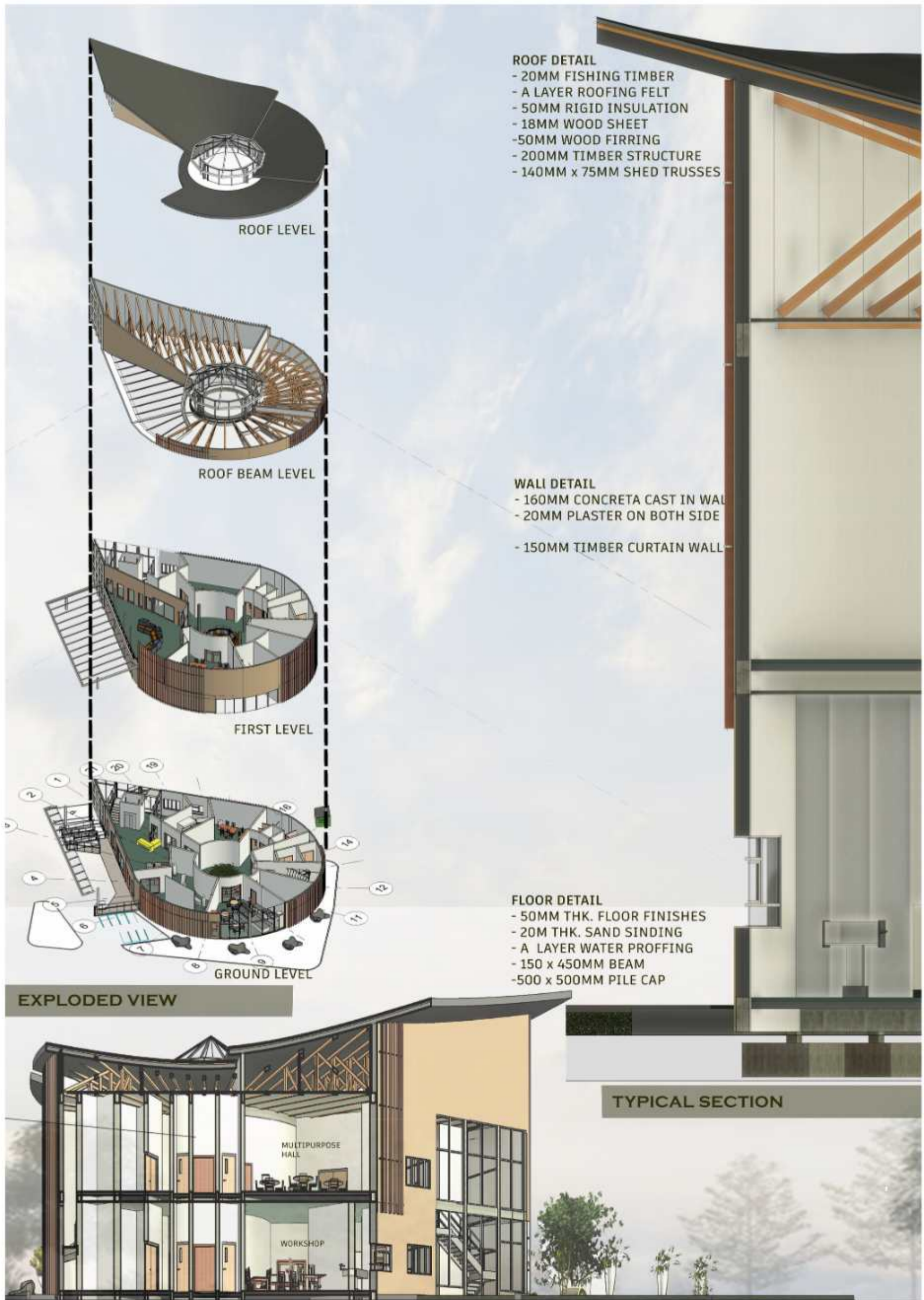


YASMIN BINTI AZMI || 06DSB22F1015 || DSB4B

PUAN NORLIZA BT JOHAN || PUAN NORZALINA BT MD YUSOP || PUAN MAHANIM BT ABDULLAH SADA

IRIS POINT ART COMMUNITY CENTRE

YASMIN BINTI AZMI



- ROOF DETAIL**
- 20MM FISHING TIMBER
 - A LAYER ROOFING FELT
 - 50MM RIGID INSULATION
 - 18MM WOOD SHEET
 - 50MM WOOD FIRRING
 - 200MM TIMBER STRUCTURE
 - 140MM x 75MM SHED TRUSSES

- WALI DETAIL**
- 160MM CONCRETA CAST IN WAL
 - 20MM PLASTER ON BOTH SIDE
 - 150MM TIMBER CURTAIN WALL

- FLOOR DETAIL**
- 50MM THK. FLOOR FINISHES
 - 20M THK. SAND SINDING
 - A LAYER WATER PROFFING
 - 150 x 450MM BEAM
 - 500 x 500MM PILE CAP

EXPLODED VIEW

TYPICAL SECTION

MULTIPURPOSE HALL

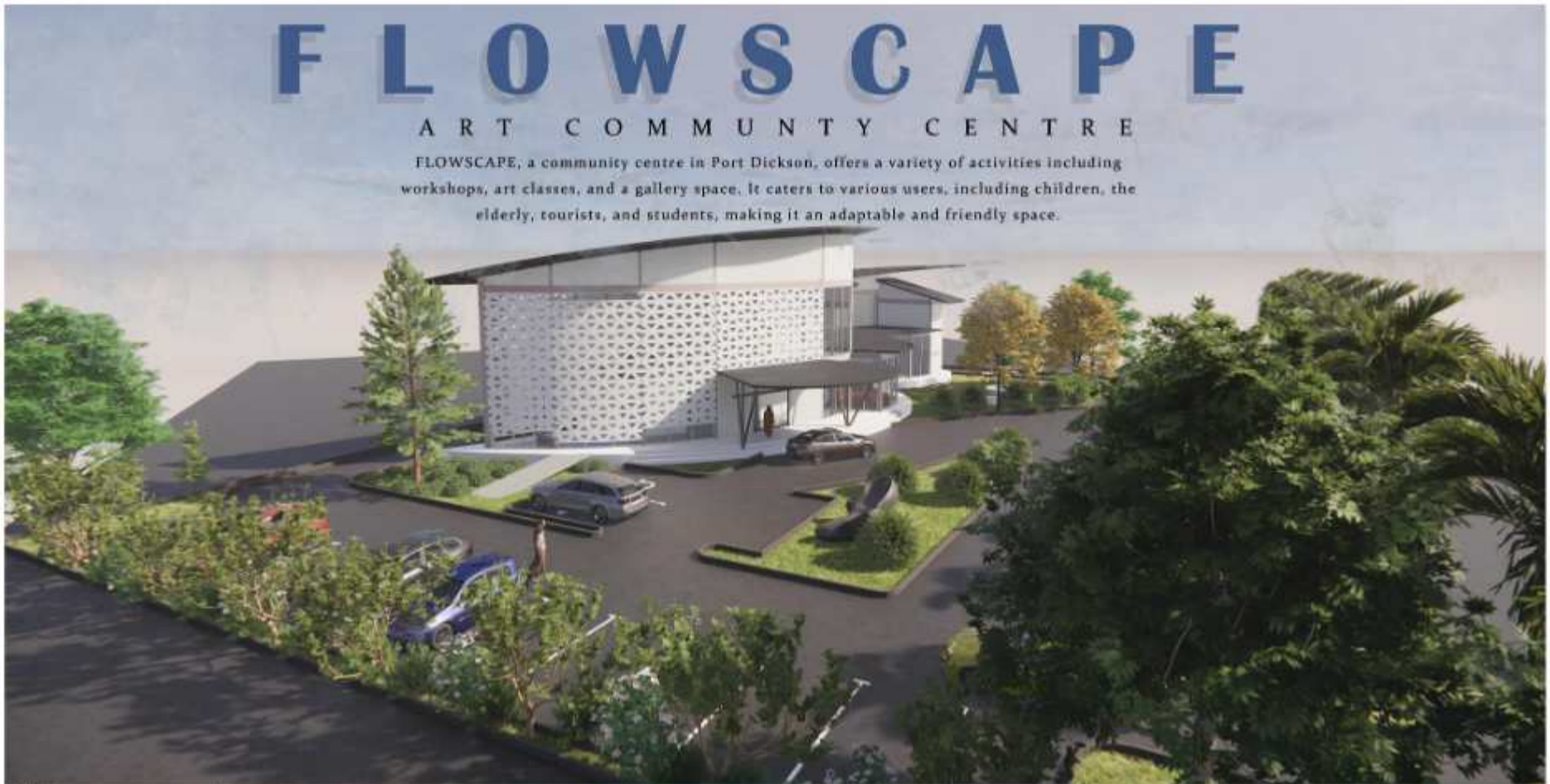
WORKSHOP

FLOWSCAPE
ART
COMMUNITY
CENTRE

Nur Hamizah Binti Zulkiflee

FLOWSCAPE ART COMMUNITY CENTRE

NUR HAMIZAH BINTI ZULKIFLEE



FLOWSCAPE

ART COMMUNITY CENTRE

FLOWSCAPE, a community centre in Port Dickson, offers a variety of activities including workshops, art classes, and a gallery space. It caters to various users, including children, the elderly, tourists, and students, making it an adaptable and friendly space.



KEY PLAN
SCALE: NTS



LOCATION PLAN
SCALE: NTS

SITE ANALYSIS



Use shading devices or plant trees to reduce direct sunlight during the day.



Construct a sound barrier along the fence or wall.

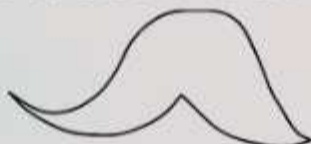


Propose a curtain wall that offers a view of the positive surroundings.

IDEA & CONCEPT DEVELOPMENT



Kinetic sculpture is an artistic creation that incorporates movement as an essential element.



From the sculpture, I utilized a dynamic shape to complement the building's architecture.



Flow shape can enhance aesthetics, improve spatial harmony, foster natural transitions, optimize energy flow and promote dynamic movement.



After combining this two shape.

AIM

To propose the design of an art community center suitable for a wide range of age groups and flexible multi-purpose spaces, as well as outdoor recreation areas, based on dynamic and open space concepts.

OBJECTIVE

- The art centre will offer indoor studios for various art forms and flexible spaces for workshops.
- The center will feature an open-space pavilion for outdoor art classes and cultural gatherings, creating a dynamic and inspiring environment.

ISSUES

Batu 4 Port Dickson's art centre faces poor accessibility and inadequate visitation facilities, limiting its cultural offerings and visitor convenience.

The art centre's accessibility issues, caused by overgrown vegetation, noisy surroundings, and poor infrastructure, could be improved with better environmental maintenance and infrastructure upgrades.

USER STUDY



STUDENT

TOURISTS



SITE ZONING

SITE PLAN
SCALE: 1 : 250

FLOWSCAPE ART COMMUNITY CENTRE

NUR HAMIZAH BINTI ZULKIFLEE



GROUND FLOOR PLAN
SCALE: 1 : 100

CASE STUDY

SKY LIGHT GALLERY, CHINA



The gallery ceiling has skylight modules designed as twisting hyperbolic paraboloid forms to diffuse natural light, creating a consistent, luminous glow for exhibitions.



Ganendra Gallery Residence uses shading devices and insect netting to reduce solar radiation and glare, replacing clear glass with non-glass windows and sliding doors.



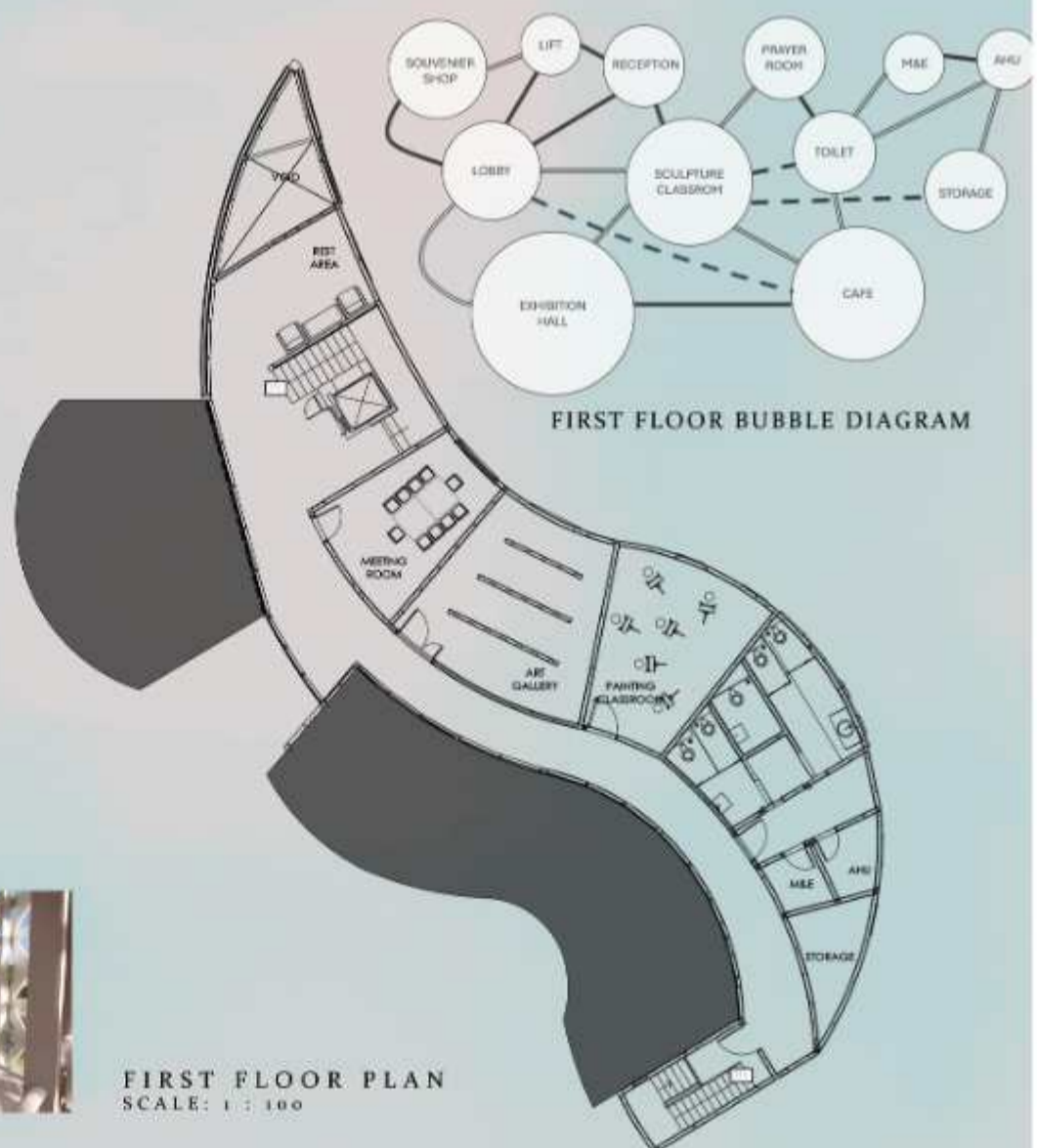
VIEW TO EXHIBITION HALL



VIEW FROM STAIRCASE



VIEW TO REST AREA



FIRST FLOOR PLAN
SCALE: 1 : 100

FLOWSCAPE ART COMMUNITY CENTRE

NUR HAMIZAH BINTI ZULKIFLEE



FRONT ELEVATION
SCALE: 1 : 100



REAR ELEVATION
SCALE : 1 : 100



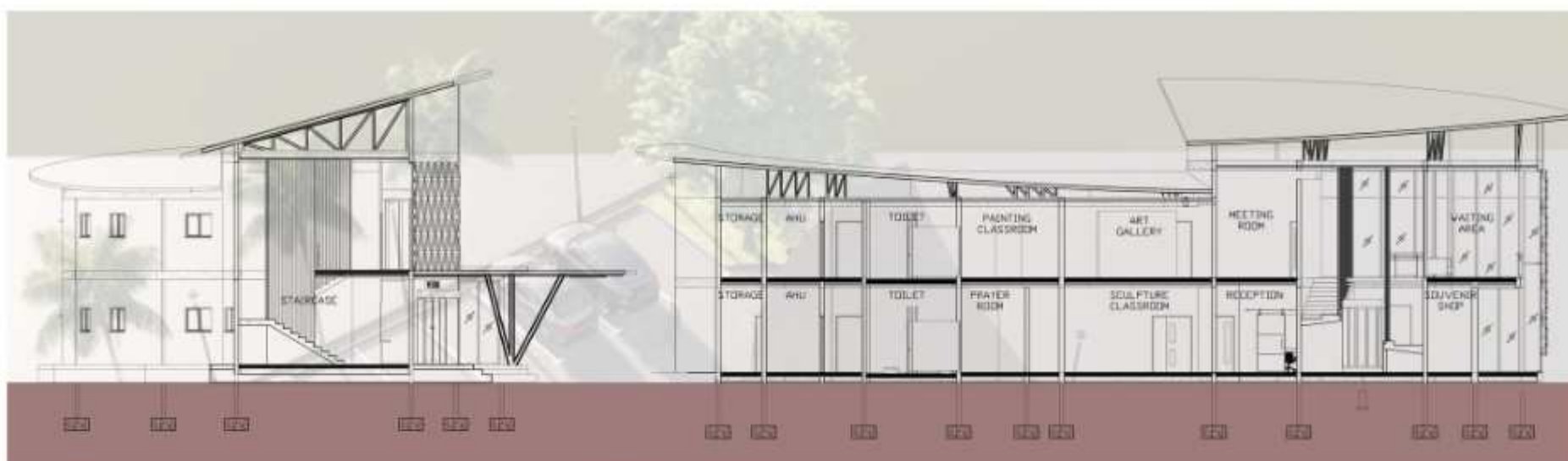
LEFT ELEVATION
SCALE: 1 : 100



RIGHT ELEVATION
SCALE: 1 : 100

FLOWSCAPE ART COMMUNITY CENTRE

NUR HAMIZAH BINTI ZULKIFLEE



SECTION Y - Y
SCALE: 1:100

SECTION X - X
SCALE: 1:100



EXPLODED VIEW



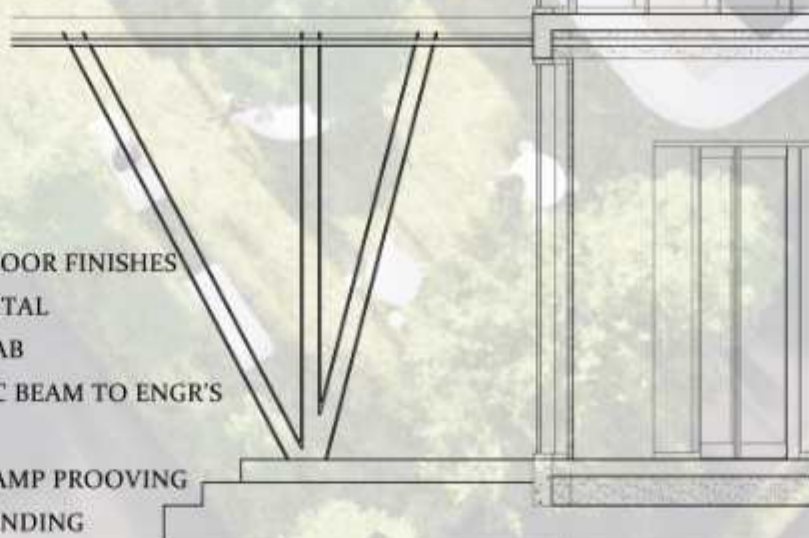
VIEW FROM BUILDING ENTRANCE 1



VIEW FROM BUILDING ENTRANCE 2

110MM BRICKWALL WITH
20MM PLASTERED IN BOTH SIDE

25 MM THK. FLOOR FINISHES
TO OWNER DETAIL
R130MM RC SLAB
300 X 110MM RC BEAM TO ENGR'S
DETAIL
A LAYER OF DAMP PROOVING
20MM SAND BINDING
250MM HARDCORE
150 X 150 MMRC COLUMN



SECTION DETAIL
SCALE: 1:25



VIEW FROM ROAD



VIEW FROM ENTRANCE 1



VIEW TO BUILDING ENTRANCE



VIEW TO SEATING AREA

RUANG SENI ART COMMUNITY CENTRE

Ariesha Umaira Binti Mohd Shamsul

RUANG SENI ART COMMUNITY CENTRE

ARIESHA UMAIRA BINTI MOHD SHAMSUL



RUANG SENI GALLERY,

BATU 4, PORT DICKSON, NEGERI SEMBILAN

DESIGN STATEMENT

Ruang Seni Gallery is a gathering place for individuals who passionate about creativity, seeking inspirations and community members that eager to explore the world of art. Ruang Seni Gallery serves as a hub for various artistic activities, including workshop, exhibition gallery, and sculpture. Nestled at Batu 4, Pantai Saujana Port Dickson, Negeri Sembilan. By providing a supportive platform for artistic expression and community engagement, Ruang Seni Gallery strive to enhance the cultural vitality of our surroundings and promote the importance of the arts in society.

TARGET USER



COMMUNITY



FAMILY



COUPLE

DESIGN ISSUES

When tourist or local community come to Negeri Sembilan, they are unaware of the ethnic and cultural background in Negeri Sembilan especially the young generations.

DESIGN AIM

To propose design of art center that gathers all the painters in Port Dickson to create their "karya" about ethnics and cultural background in Negeri Sembilan.

DESIGN OBJECTIVE

- Advocate the art and artist by rising awareness about their contributions.
- Education purpose such as art class, workshop, and cultural exchange programme.
- To utilize green design strategies such as atrium for energy saving and sustainability.

DESIGN OBJECTIVE

- Advocate the art and artist by rising awareness about their contributions.
- Education purpose such as art class, workshop, and cultural exchange programme.
- To utilize green design strategies such as atrium for energy saving and sustainability.

SITE ANALYSIS



BUILDING ORIENTATION

Proposed a building that facing a best view which is beach.



VIEW

Proposed more opening on the front building



WIND DIRECTION

Proposed a more window for natural ventilation, influencing building design that can reduce heat loss and enhancing thermal comfort.

CASE STUDY



SALEH BARAKAT GALLERY

This building use a large window to bring all the nature lighting inside the building while can reduce energy consumption and feel larger and more open. Using concrete floor finishes because it easy to clean and low maintenance.



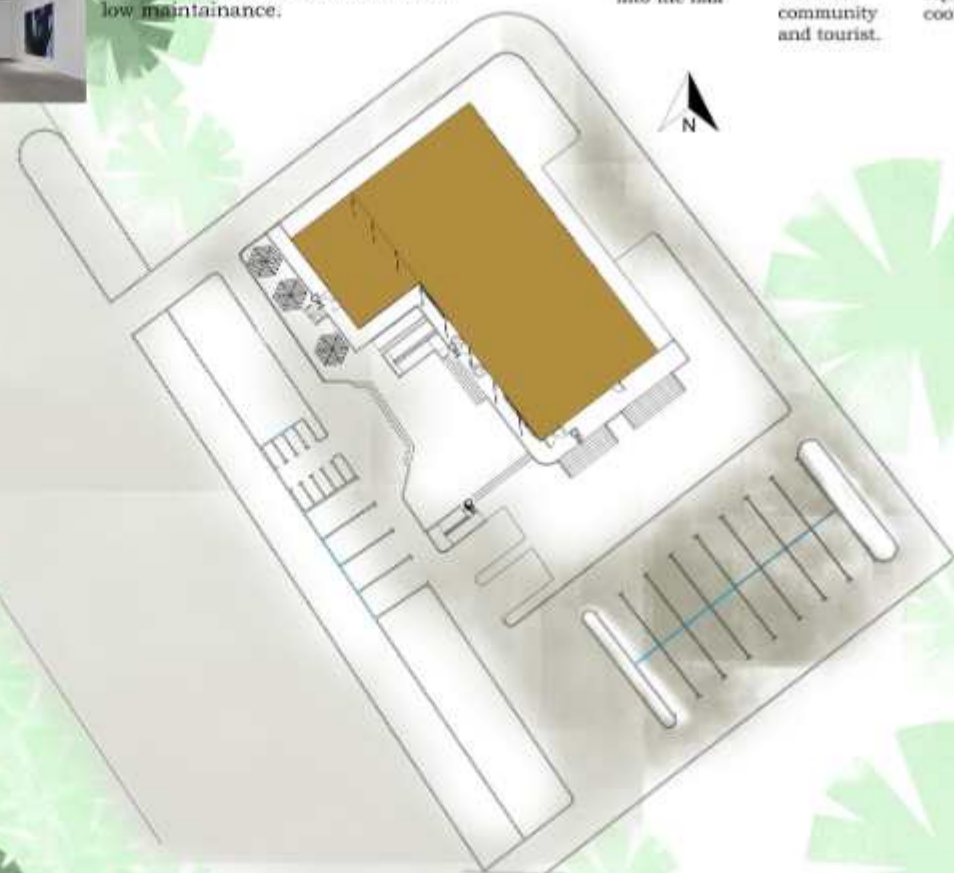
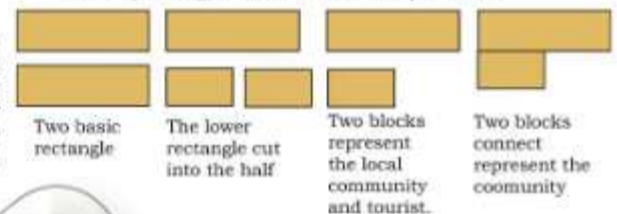
KEY PLAN
SCALE : N.T.S



LOCATION PLAN
SCALE : N.T.S

DESIGN CONCEPT

Journey through art and immersive experiences.



SITE PLAN
SCALE : 1 : 250

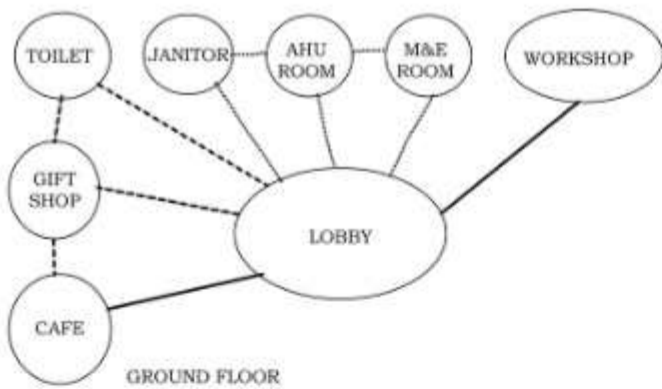
RUANG SENI ART COMMUNITY CENTRE

ARIESHA UMAIRA BINTI MOHD SHAMSUL

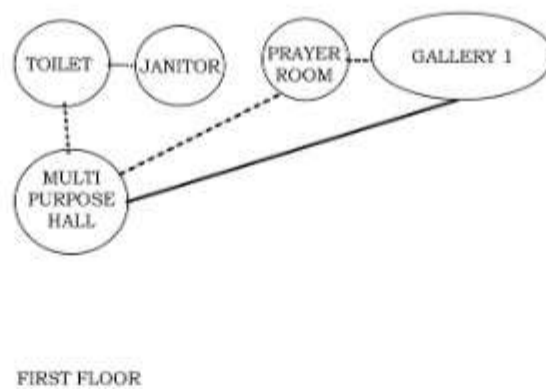


GROUND FLOOR PLAN
SCALE : 1:100

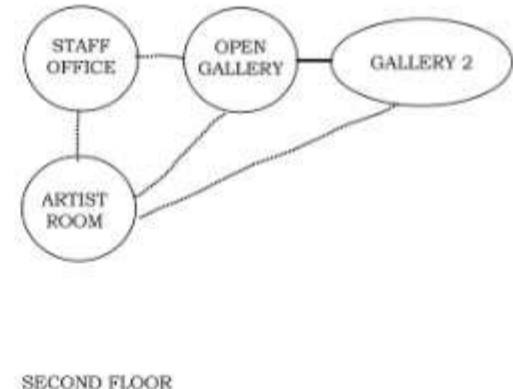
SPATIAL PLANNING



GROUND FLOOR



FIRST FLOOR



SECOND FLOOR



FIRST FLOOR PLAN
SCALE : 1:100



SECOND FLOOR PLAN
SCALE : 1:100

RUANG SENI ART COMMUNITY CENTRE

ARIESHA UMAIRA BINTI MOHD SHAMSUL



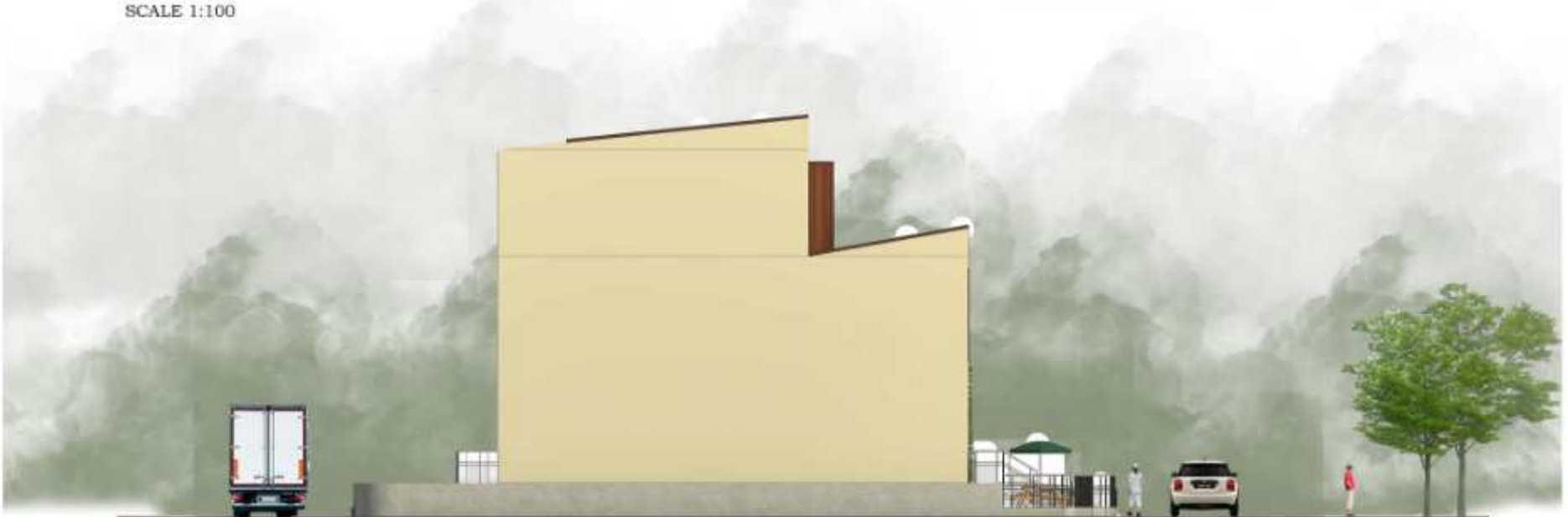
FRONT ELEVATION
SCALE 1:100



REAR ELEVATION
SCALE : 1:100



RIGHT ELEVATION
SCALE 1:100



LEFT ELEVATION
SCALE 1:100

RUANG SENI ART COMMUNITY CENTRE

ARIESHA UMAIRA BINTI MOHD SHAMSUL



SECTION A-A
SCALE: 1:100



SECTION B-B
SCALE 1:100

SUSTAINABLE ELEMENTS IN RUANG SENI GALLERY



ATRIUM

Enhancing natural lighting and improving air circulation into the building



WOOD MATERIAL

Long lasting and does not give harm to the environment



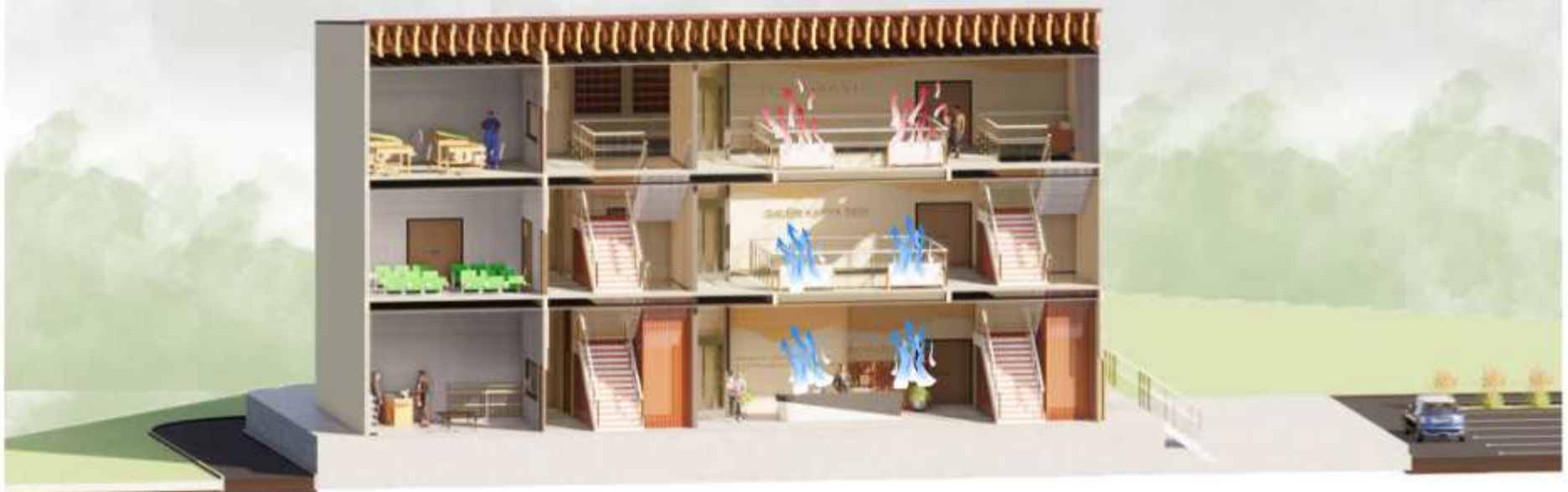
GREEN WALL

Absorb carbon dioxide and release oxygen and contributing to reduce carbon footprint



SUN SHADING

Allows cross ventilation into the building to cool off and reduce the heat



SECTIONAL PERSPECTIVE

RUANG SENI ART COMMUNITY CENTRE

ARIESHA UMAIRA BINTI MOHD SHAMSUL



LOBBY



CAFE



GIFT SHOP



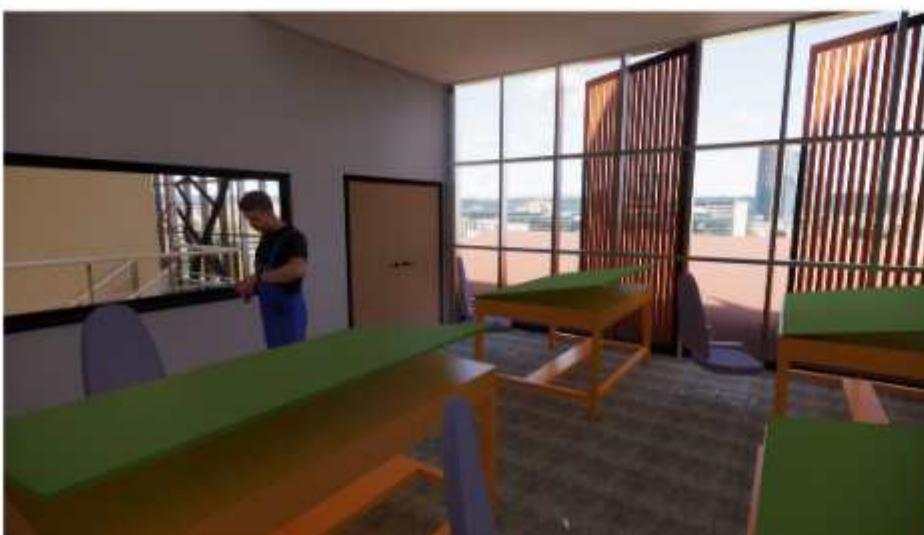
WORKSHOP



SENI BUDAYA MULTI-PURPOSE HALL



SENI WARISAN GALLERY



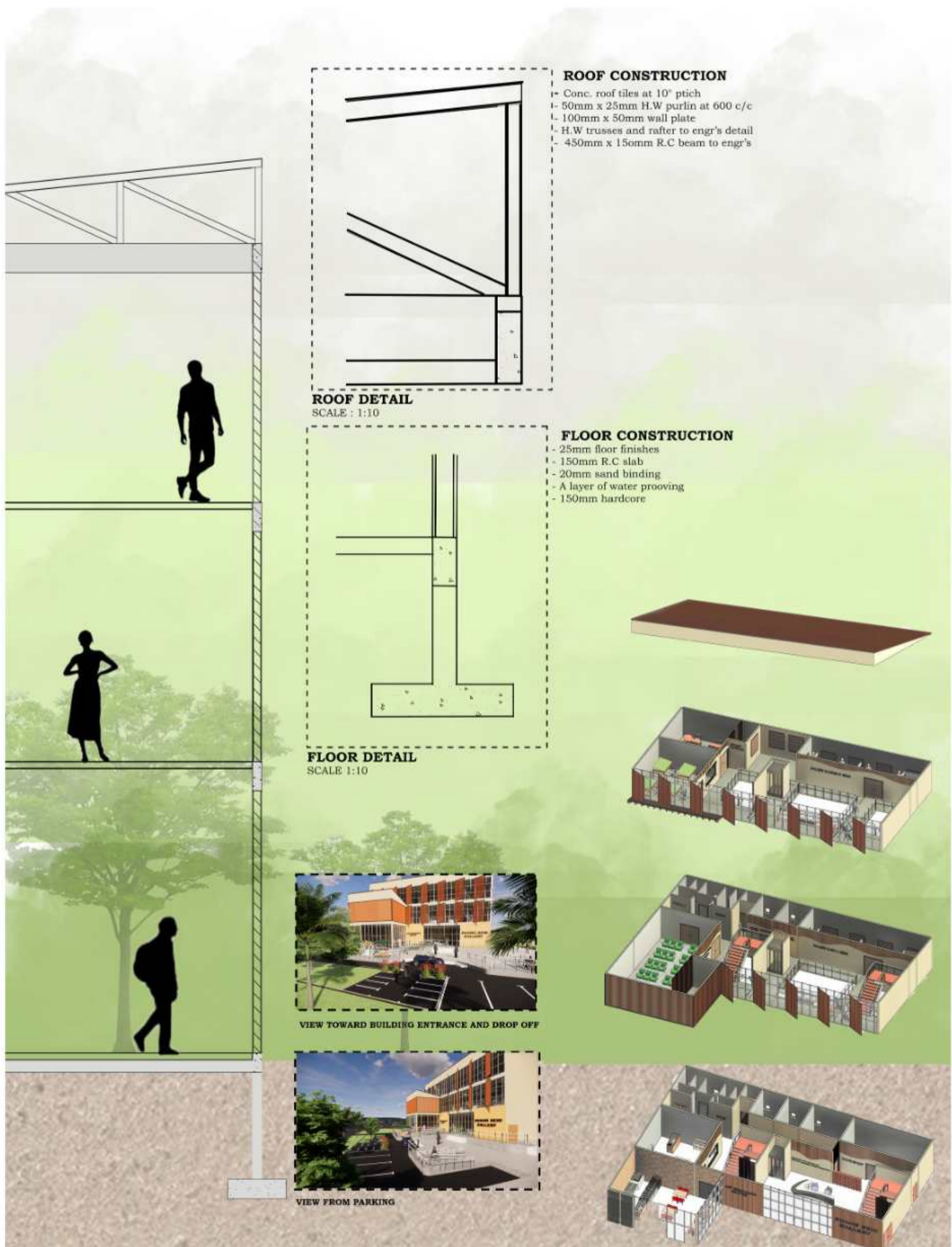
ARTIST ROOM



STAFF OFFICE

RUANG SENI ART COMMUNITY CENTRE

ARIESHA UMAIRA BINTI MOHD SHAMSUL



ROOF CONSTRUCTION

- Conc. roof tiles at 10° pitch
- 50mm x 25mm H.W purlin at 600 c/c
- 100mm x 50mm wall plate
- H.W trusses and rafter to engr's detail
- 450mm x 150mm R.C beam to engr's

ROOF DETAIL

SCALE : 1:10

FLOOR CONSTRUCTION

- 25mm floor finishes
- 150mm R.C slab
- 20mm sand binding
- A layer of water proofing
- 150mm hardcore

FLOOR DETAIL

SCALE 1:10

TYPICAL SECTION

SCALE : 1:25

EXPLODED VIEW

VIEW TOWARD BUILDING ENTRANCE AND DROP OFF

VIEW FROM PARKING

STUDIO MASTERS/ EDITORS



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Architecture
Design
Exhibition:
Studio 4

**ART
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