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1 + 2



- 1. Common Building
- 2. SunSet Restaurant
- 3. WAVE Studio
- 4. Open Performance
- 5. Pool
- 6. Accommodation (Single)
- 7. Accommodation (Couple)
- 8. Closed Performance
- 9. Reception

Montserrat is a mountainous Caribbean island, part of the Lesser Antilles chain and a British Overseas Territory. Its Soufrière Hills volcano erupted in the 1990s, causing significant damage to the south of the island and leading to the creation of an exclusion zone. The north of the island is largely unaffected, and has black-sand beaches, coral reefs, cliffs, and shoreline caves.

- Sovereign state: United Kingdom
- English settlement: 1632
- Treaty of Paris: 3 September 1783
- Federation: 3 January 1958
- Separate colony: 31 May 1962
- Capital: Brades





Fig.9: Montserrat Beach



Fig.10: Soufriere Hills



Fig.11: Woodland Bay



Fig.12: Montserrat Mountain



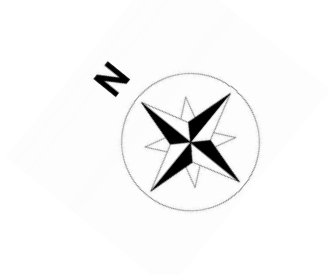
## About the Weather:

Montserrat, an island and an overseas territory of the United Kingdom, has a tropical climate, hot and humid all year round, with a relatively cool and dry season from January to mid-April and a hot, humid and rainy season from mid-June to mid-November.

Rainfall in Montserrat is abundant, in fact, it amounts to 1,600 millimeters (65 inches) per year in the former capital Plymouth, including more than 100 mm (4 in) per month from May to January and more than 150 mm (6 in) from July to November.

The greatest danger comes from tropical storms and cyclones, called hurricanes in the Caribbean area, which may pass over the island from June to November, though they are most likely from August to October.







## About the Project 1:

**SunSet** is the project assignment of the Bachelor's Degree in Interior Design. The project developed in a quarter of the Senior Project course. This project is about design and development the restaurant- a part of Music Retreat Center (Tropical House) in Montserrat.

This project was inspired by the Tropical House Competition. The purpose of Music Retreat Center is to function as a studio for artists. Also creating a public platform for local community activities. "Aim is to revive the 'status symbol' in a different language that promotes the culture of music, an element the place was once associated with".

The aim is to inspire and make a relaxing environment for artists to get their idea. The restaurant is not a commercial (not public restaurant) restaurant so there is limited seating in the restaurant. Most visitors will be artists or people staying in the Music Retreat Center.

To making a comfy environment, the restaurant needs:

- Private space- limited seating
- Merch into nature
- Quiet space
- Big view facing to forest, ocean, and mountain view





## About the Project 2:

**Open Performance** is the project assignment for the bachelor's degree in Interior Design in Fall 2020. The project is developed in the Fall quarter, Senior Project II. This project is about design and development an Open Performance- a public space for everybody in order to make the most of music outdoor. Open Performance is for visitors, and even local people, this project is considered as a community space.

Open Performance will be a social space for everyone in Montserrat. The outdoor stage will be an iconic design at Music Retreat Centre. Open performance relates to dance studio, music studio and rehearsal form a design block located in the heart of Music Retreat Center. the building is behind the outdoor stage includes a dance studio, music studio and rehearsal. The building works as the backstage of open performance. Open Performance will have an outdoor stage, seating area. The open gallery will display all the historical information, pictures, and photos of famous artists who used to work or come over to Montserrat. This is an eco-friendly project, using predominantly natural materials or recycled materials. In addition, lighting is mostly from a natural source.



**WAVE STUDIO** will be connected with Open Performance.

This area is only used by staff, artists and people working in the music industry. This area is a whole blocked building behind Open Performance. The shape of the building is inspired by waves. Besides, the building has a large window, thus natural light is easy to go through into each room. The building is an eco-friendly building, using predominantly natural materials or recycled materials. Taking advantage of using natural light in order to reduce electrical light. The wave roof is the unique design of this building, wave roof represents wave from the ocean as well as representing the flow-the melody- of the music. The wave roof creates an open space for rehearsal building. In addition, the movement of the wave roof creates favourable conditions for large windows, the natural light can easily access the building. The open gallery will be second floor of WAVE studio that displays all the historical information, pictures, and photos of famous artists who used to work or come over to Montserrat.





## CONCEPT:

Montserrat is an island in the Caribbean that has tropical weather. The restaurant is located in Woodland Bay, one of the beautiful bay in Montserrat.

The aim is to make a comfortable and relaxing environment for customers working on their works or simply enjoy their vacation in Montserrat. The orientation of the restaurant is Westside. Taking advantage of that opportunity, opened space will allow the customers to see fully the sunset on the beach, one of the beautiful moments.

Besides, open space will allow natural light and wind to easily access the whole space of the restaurant. Merch outer space, nature into the restaurant. The priority of this design is environmentally friendly. Therefore, most material using is eco-friendly material such as wood, local bamboo, concrete, ...

Inspiring by the beauty of the sunset of Montserrat. The restaurant is located by the Woodland beach, which is easy to catch the sunset. Therefore, sunset will be a consistent concept and colour scheme as well for this design.

Due to the humid and hot climate, the tropical concept is all about achieving thermal comfort. The major elements are sunshades, wood, concrete, wall insulation and even shading from large trees to block the sun.

The open performance will be an iconic architecture at Tropical House because that is located in the middle of Tropical House. The connection between Open Performance and the studio creates an image of the sun hovering over the ocean, which is also the concept of Open Performance, representing Woodlands Bay. Open performance is a community area, people gathering with the music. Music binds everyone together. Music and nature merge into one.



MOVEMENT

OPEN SPACE

NATURAL

SUNSET

CURVE

OUT DOOR

**NATURAL:** an eco-friendly will comfy and relax customers. Creating green space for the entire restaurant. Bringing nature inside the restaurant is a unique design for a restaurant. The green space is more than the seating space.

**OPEN SPACE:** eco-friendly energy. Taking the advantage of the ocean, open space will allow the entire restaurant to get the wind instead of using fans. Open ceiling will allow the natural light to easily get into the restaurant.

**SUNSET:** the major concept and colour scheme of the restaurant will be an iconic spot in Woodland Bay.

**MOVEMENT:** the wave roof of the rehearsal building creates the flow of the music as well as the wave of the ocean.

**OUTDOOR:** an open space would like to be welcome everybody to come in, plus create a comfortable and fresh atmosphere. People can enjoy the performance

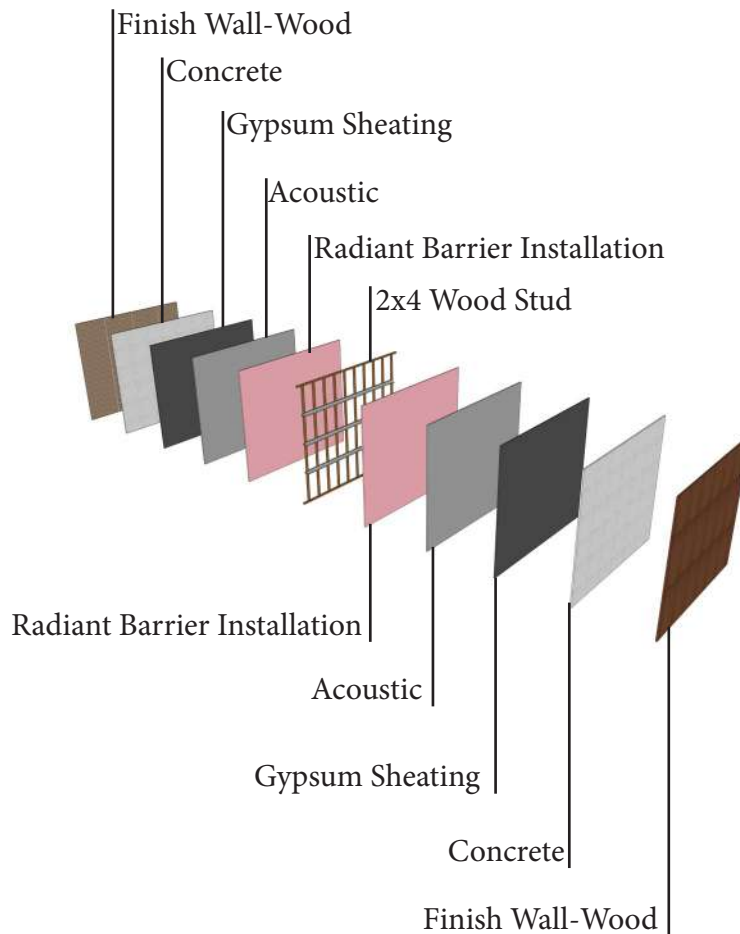


## MATERIAL:

Natural and synthetic building materials that provide thermal comfort. The use of building materials as a passive method for thermal comfort has co-benefits of energy-saving and efficiency.

The aim of this project is using eco friendly material. Becoming a Tropical Green Building. Due to humid and hot climate, tropical concept is all about achieving thermal comfort. The major elements are sunshades, wood, concrete, wall insulation and even shading from large trees to block the sun.

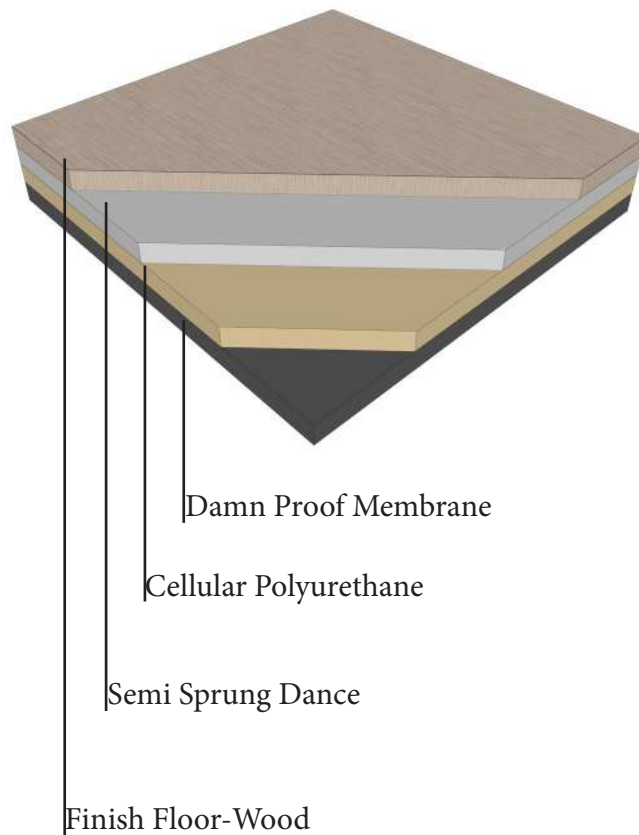
Soundproof (Acoustic) panels work reasonably well in reducing mid and high-frequency sound waves only as they have a moderate amount of mass. Soundproof panels do not block noise entirely as they are less capable of insulating low-frequency sound waves which have long wavelengths.





Semi Sprung Dance floor is considered ideal for all types of dance and aerobic exercise including ballet, tap, jazz, modern, lyrical, hip-hop, yoga, ballroom and Pilates.

Sprung floors are typically engineered to be ‘shock-dampeners.’.



Using green concrete to avoid to produce carbon dioxide. Green concrete is environmentally friendly material. They are made from using waste, redundant materials from other industries and “requires less amount of energy for production”. Even using less amount of energy but they are more durable and cheaper than the traditional ones.

The durability of wood products contributes to the long life of a home. Wood products also store carbon, reducing the amount of carbon in the atmosphere.



Fig.13: Green Concrete



Fig.14: Woods

“Thermally insulating glass (also known as low-emissivity or low-E glass) usually forms the inner pane of an Insulating Glass Unit (IGU)”.

It can control solar gain and maximize the natural light that helps to improve the energy efficiency of windows and make the environment of building more comfortable and cooler. Besides, thermally insulating glass also help to “reduces heat gain while allowing a high level of natural, although softened, light to filter in” in the summer, specially tropical area.



Fig.15: Thermally Insulating Glass



## SunSet Restaurant:

Space will be divided into 2 levels.

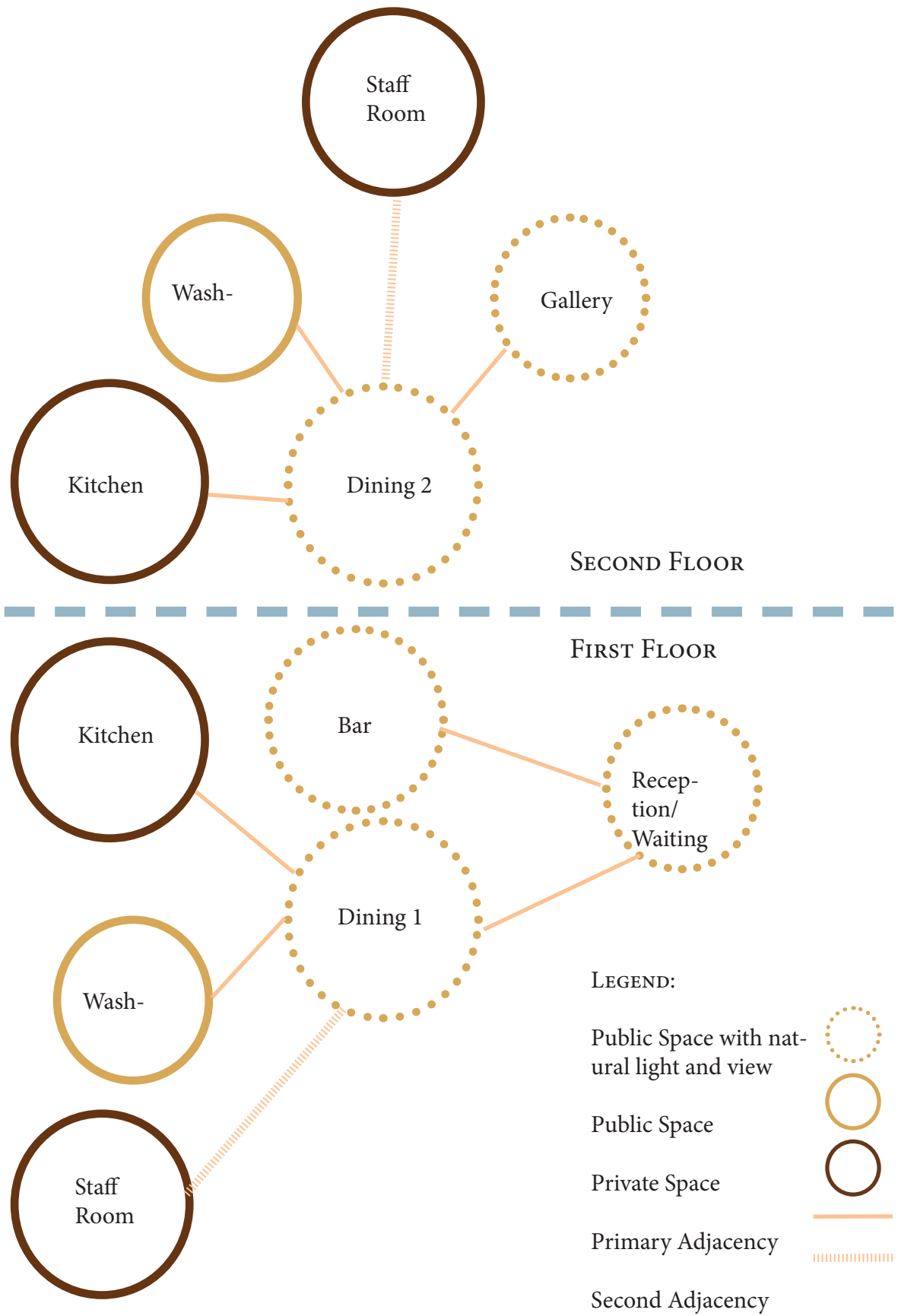
- The ground floor will have 3 major zones: waiting area zone, dining zone, and private zone. Each zone, but a private zone, will have a green zone-small garden.
- The second floor will have 3 major zones: gallery zone, dining zone and private zone.

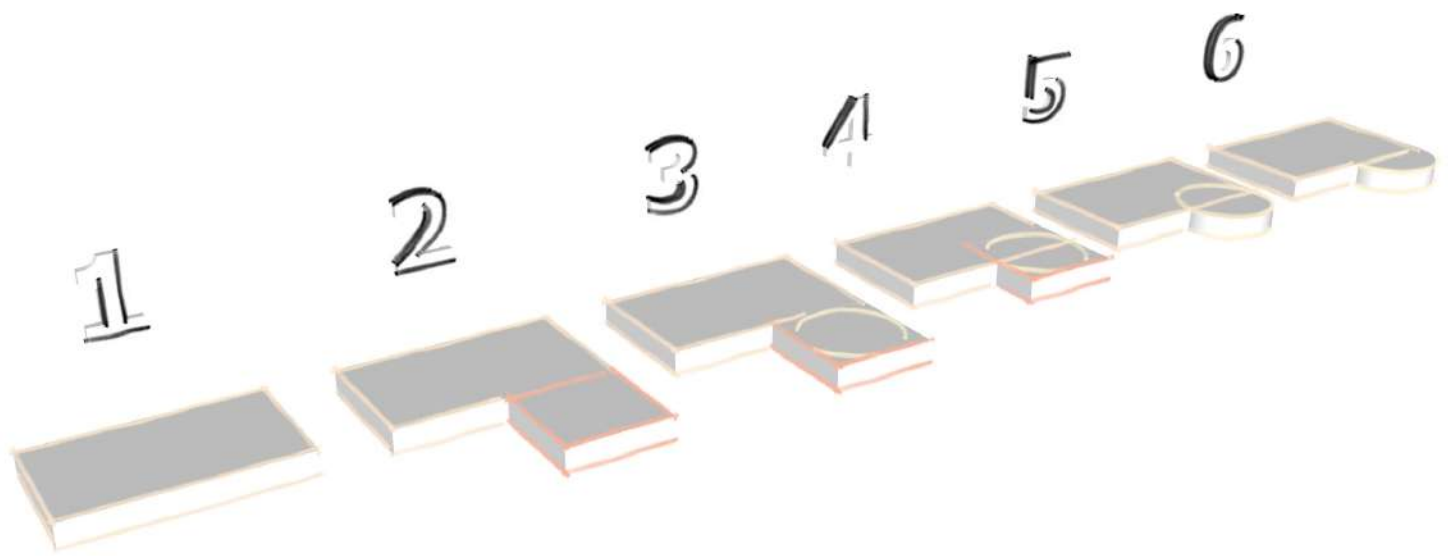
The restaurant is designed as a Tropical Green House form. Therefore, the skylight will be going through from the second floor to the ceiling of the ground floor to make sure every floor has enough natural lighting. Mostly, the skylight will be above each small garden, using thermally insulating glass to reduce the heat of the sun and maximize ultraviolet rays in the noon, comfy environment of the space and remain plants alive.

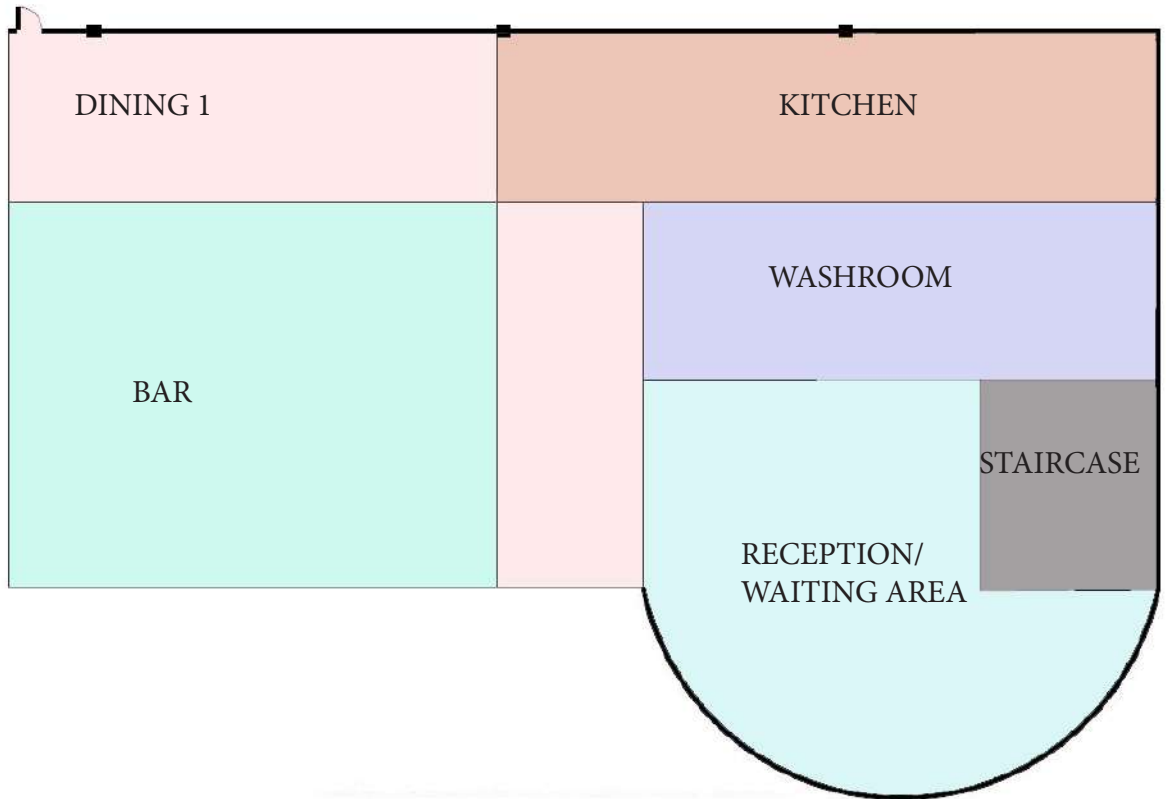
Each floor will have 2 gender washrooms and a staff washroom.

The kitchen will use an elevator for conveyance food and ingredients

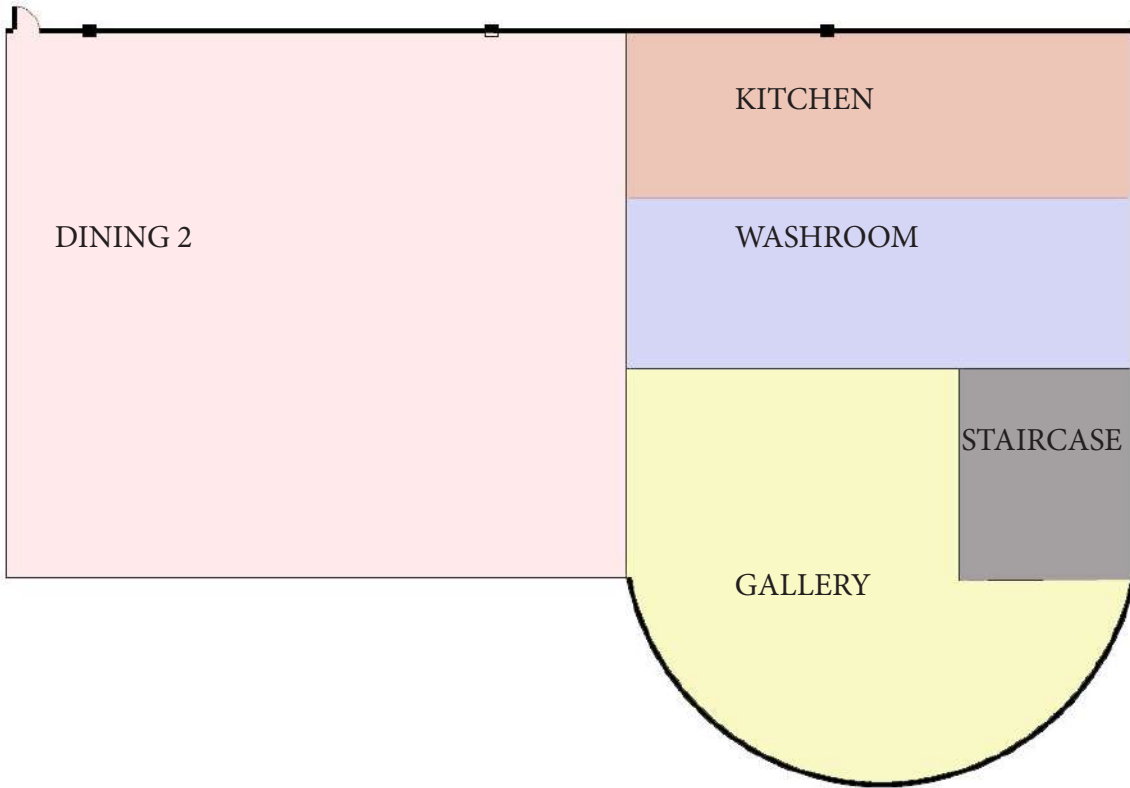




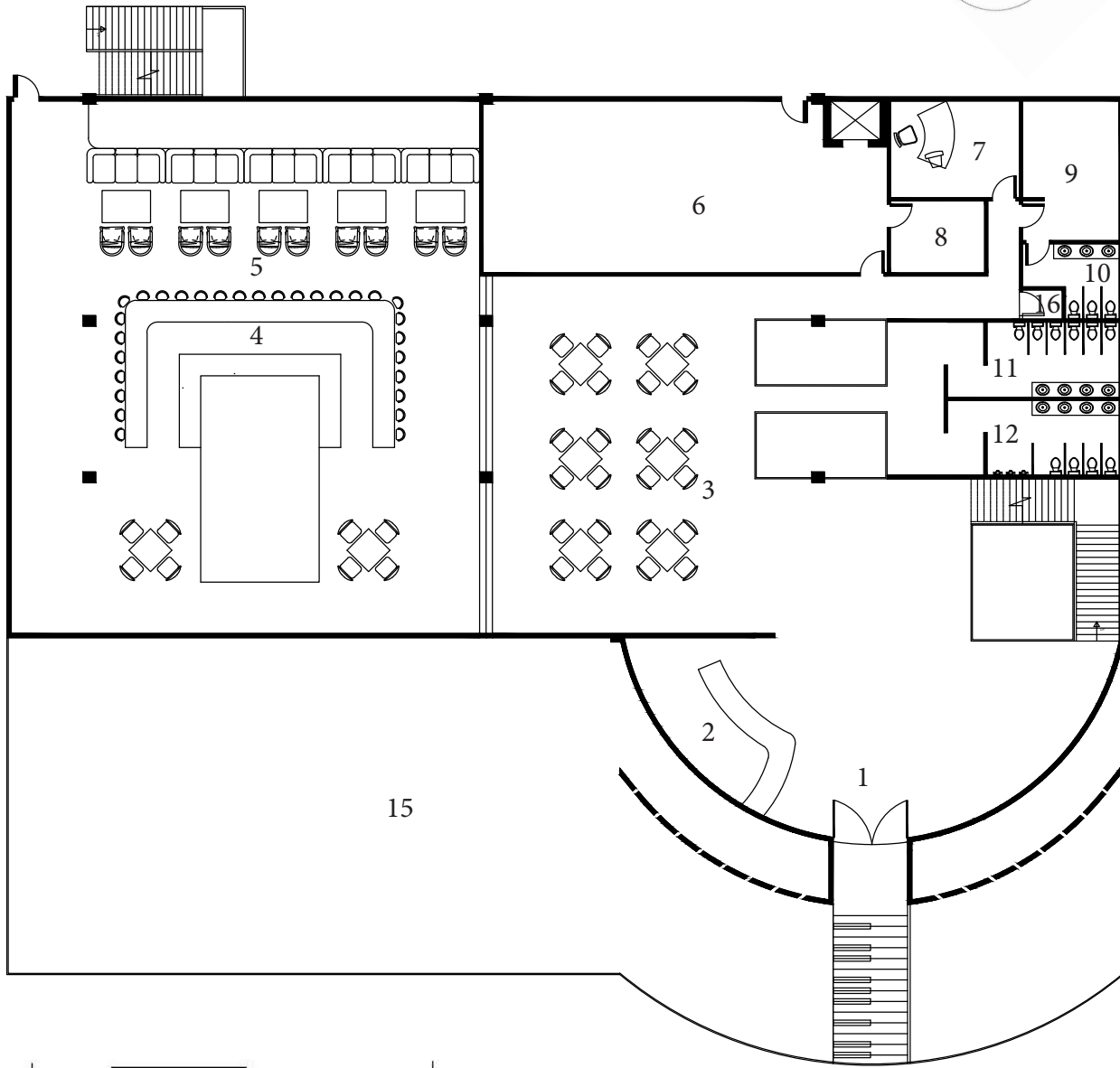
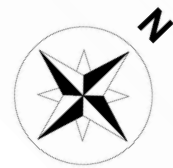




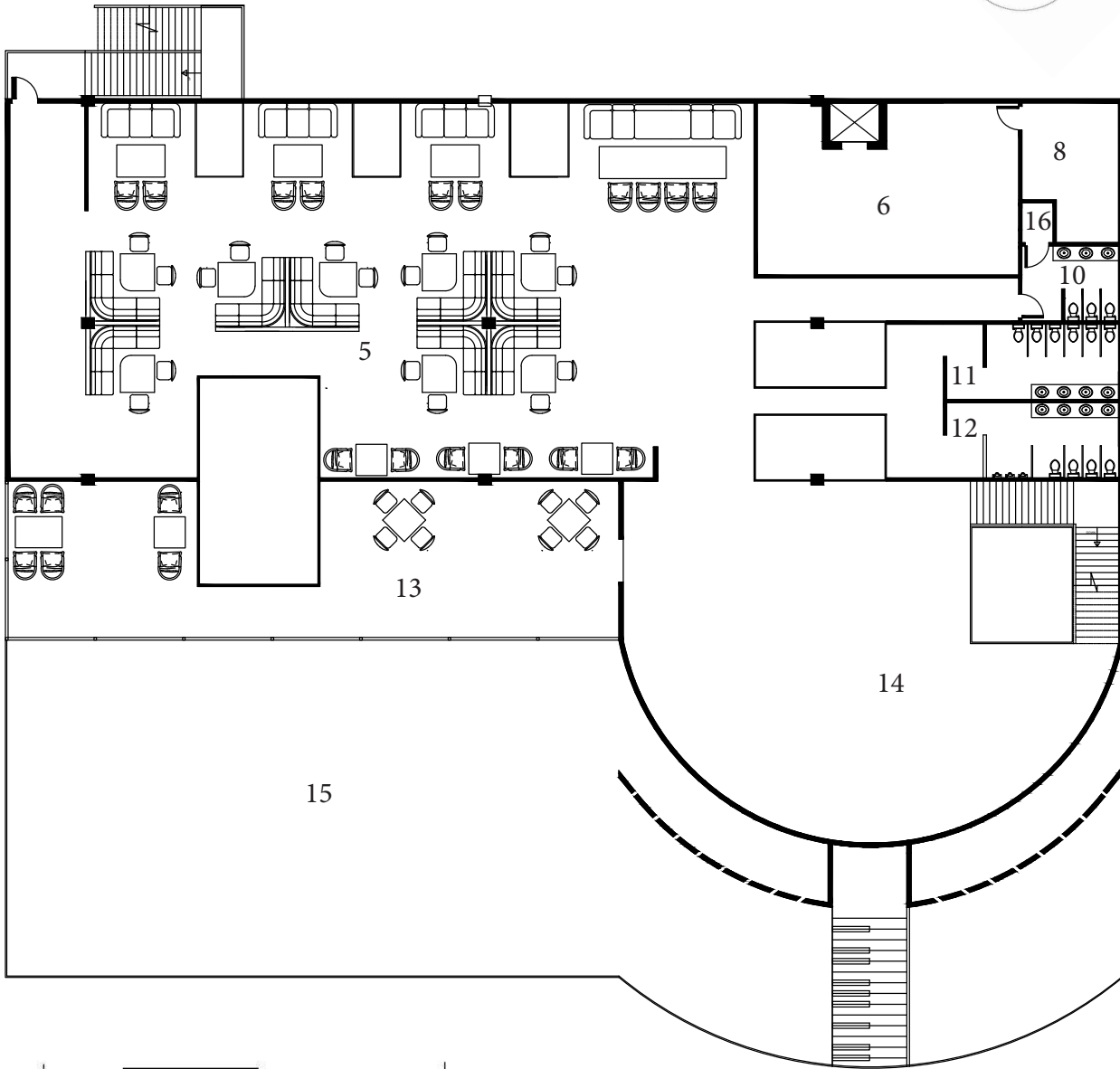
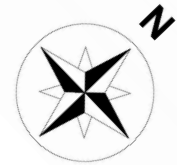
GROUND FLOOR



LEVEL 2



GROUND FLOOR



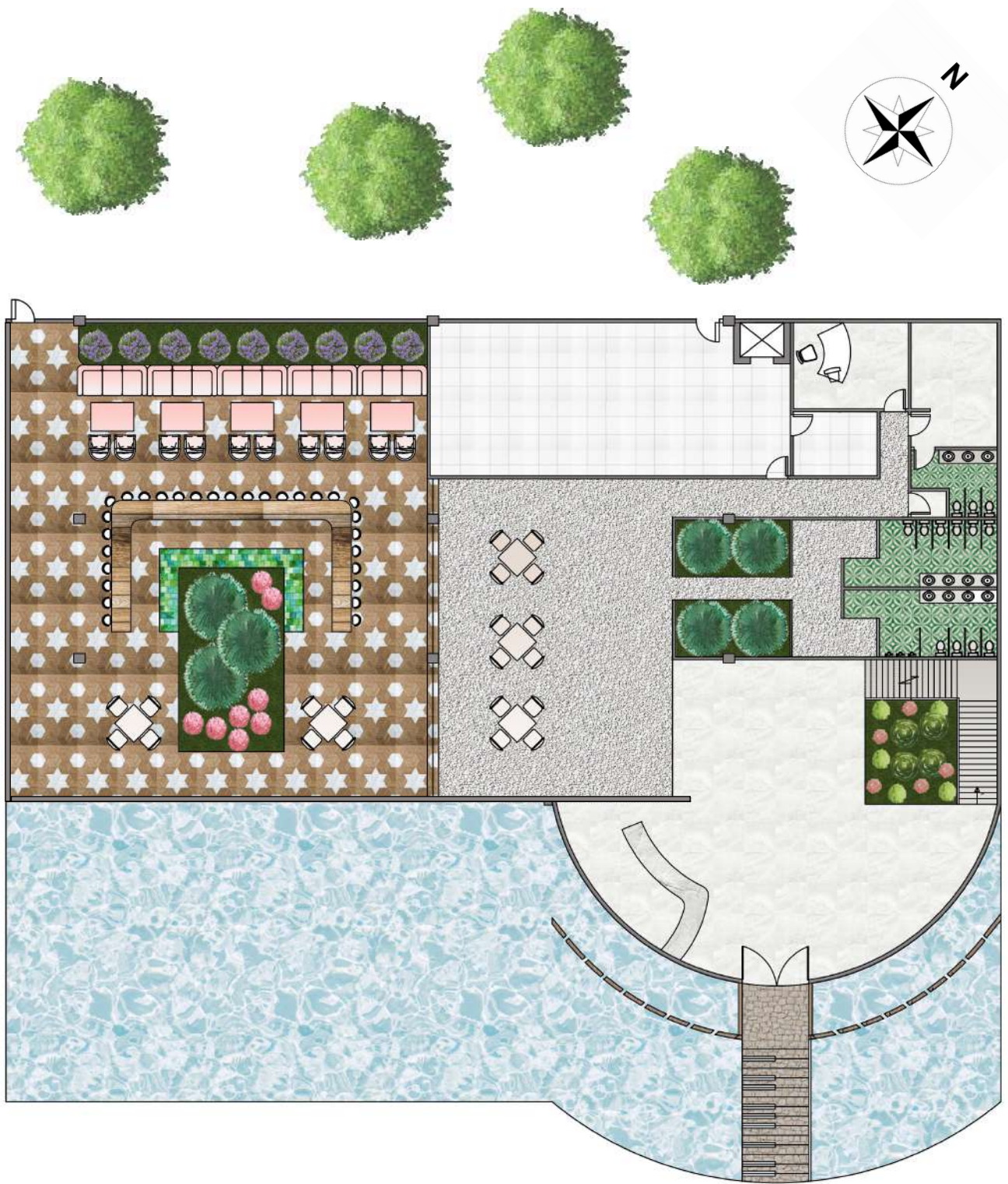
LEVEL 2

LEGEND:

- 1. Entrance    2. Reception    3. Dining 1    4. Bar
- 5. Dining 2    6. Kitchen    7. Manager Office    8. Walking Cooler
- 9. Staff Room    10. Staff Washroom    11. Women Washroom    12. Men Washroom
- 13. Patio    14. Gallery    15. Pool of Water    16. Storage



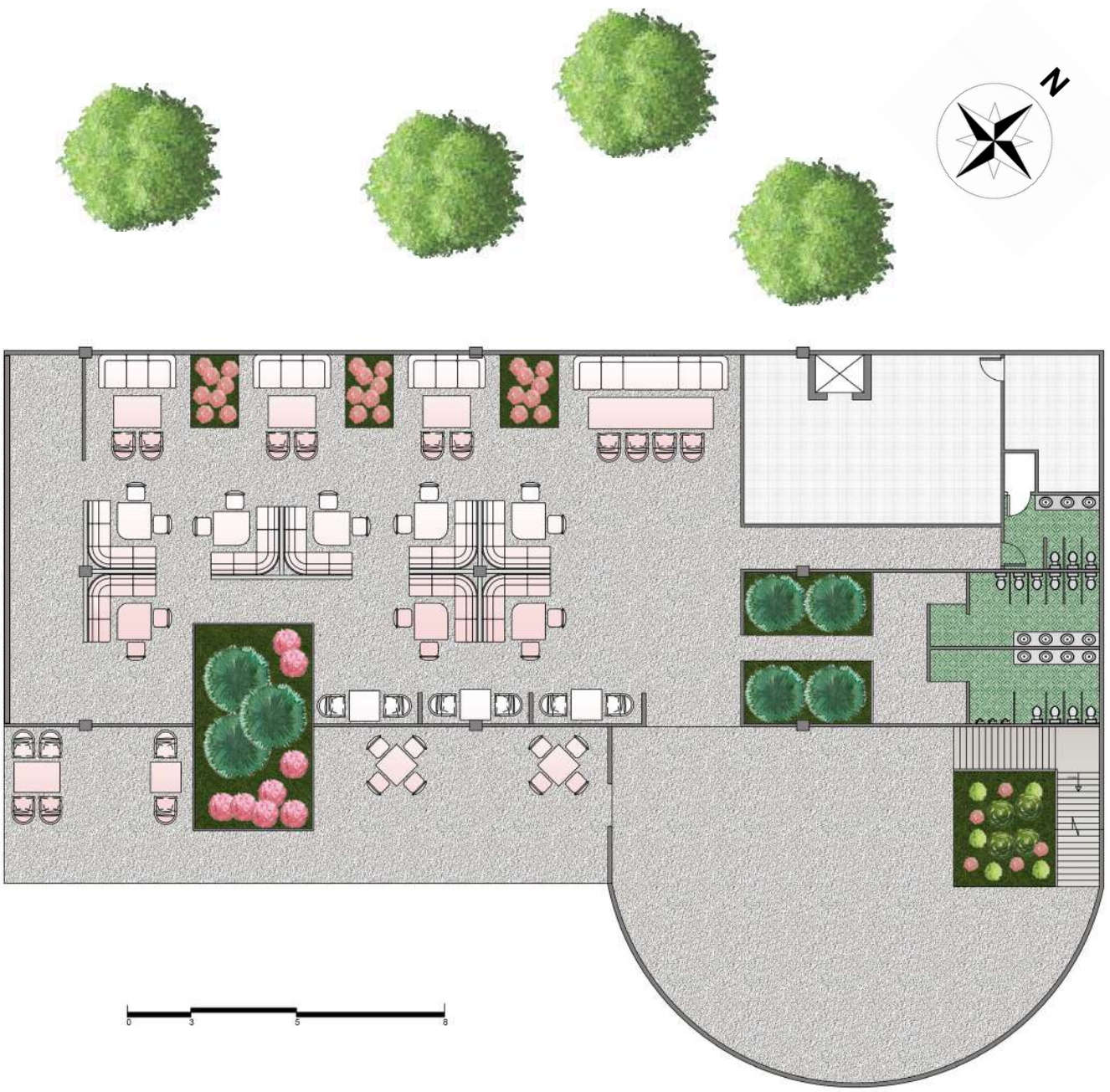
FLOOR PLAN



GROUND FLOOR





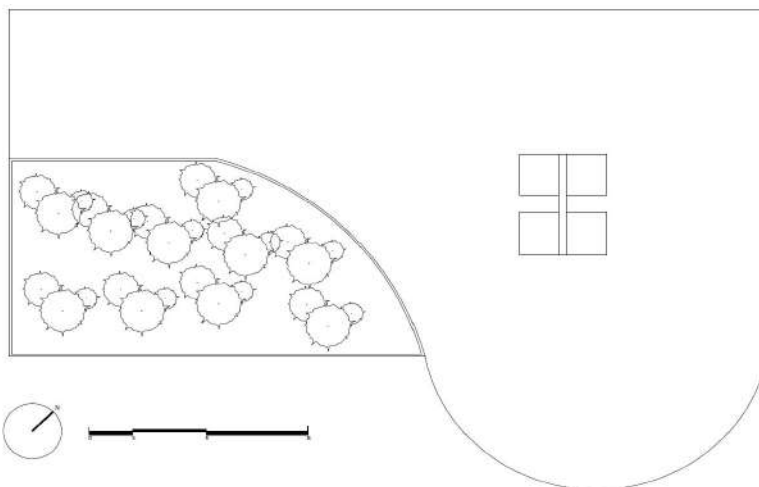
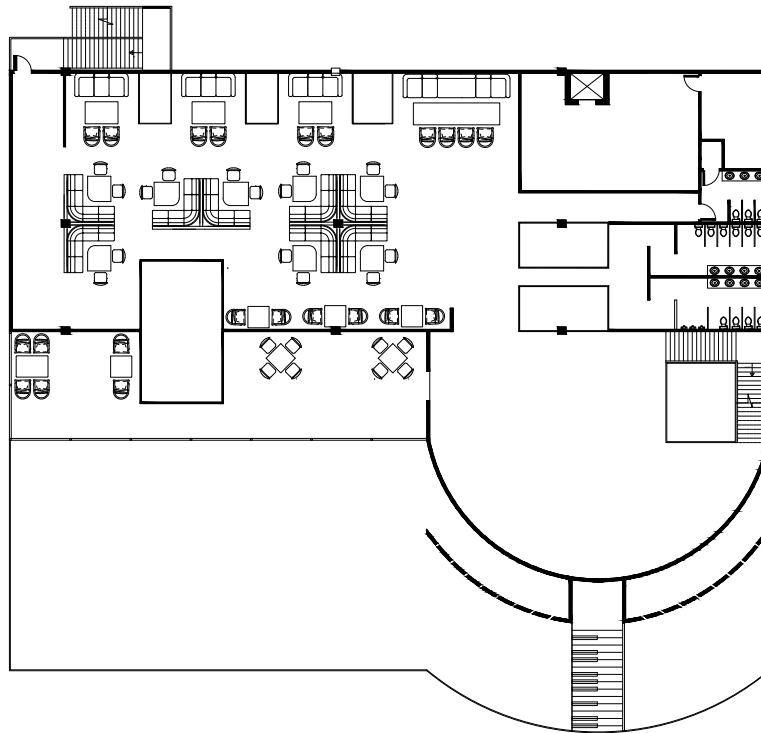
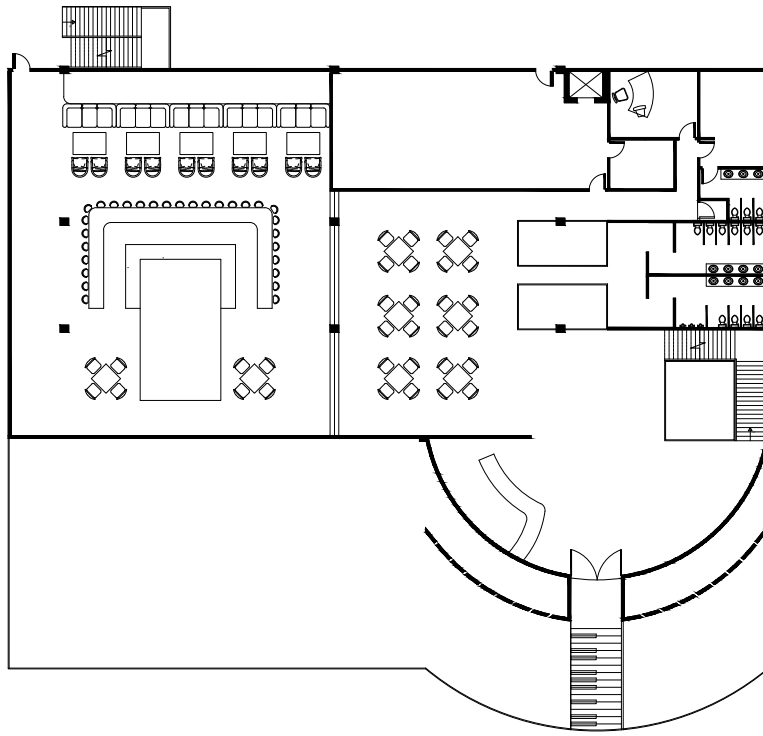


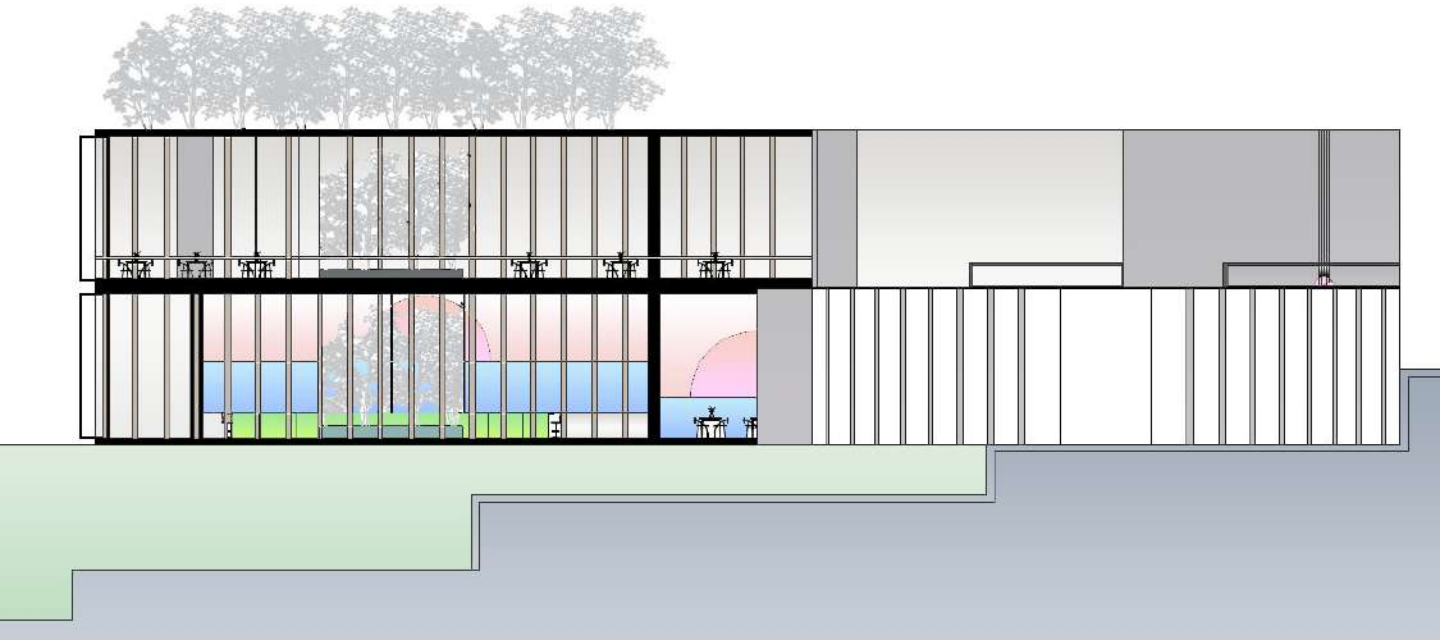
FLOOR PLAN

LEVEL 2



FLOOR PLAN

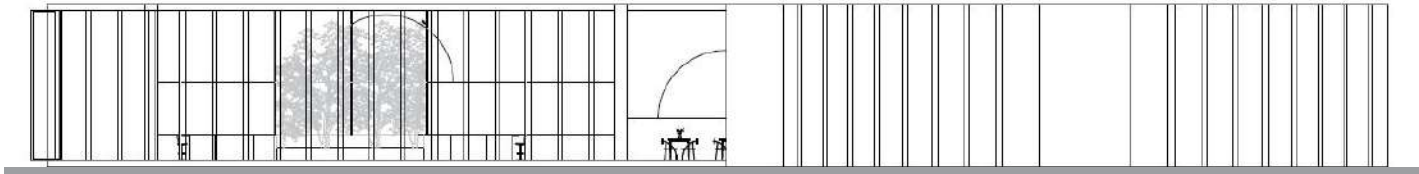




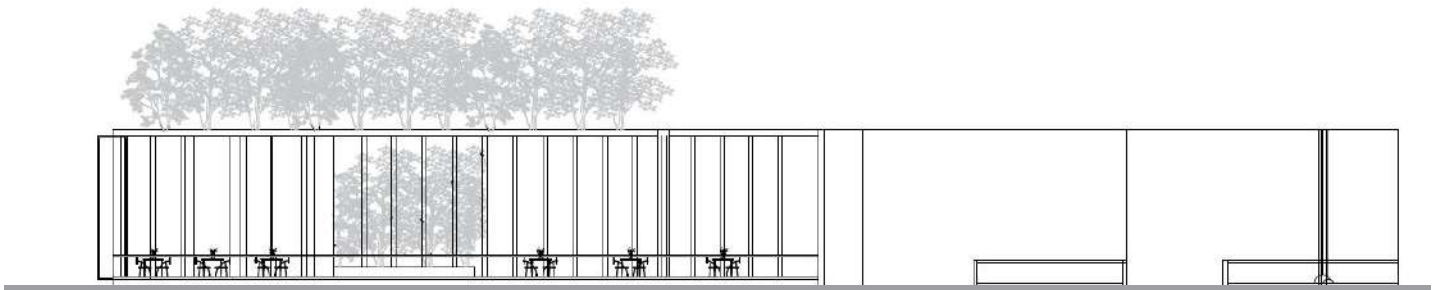
FRONT ELEVATION



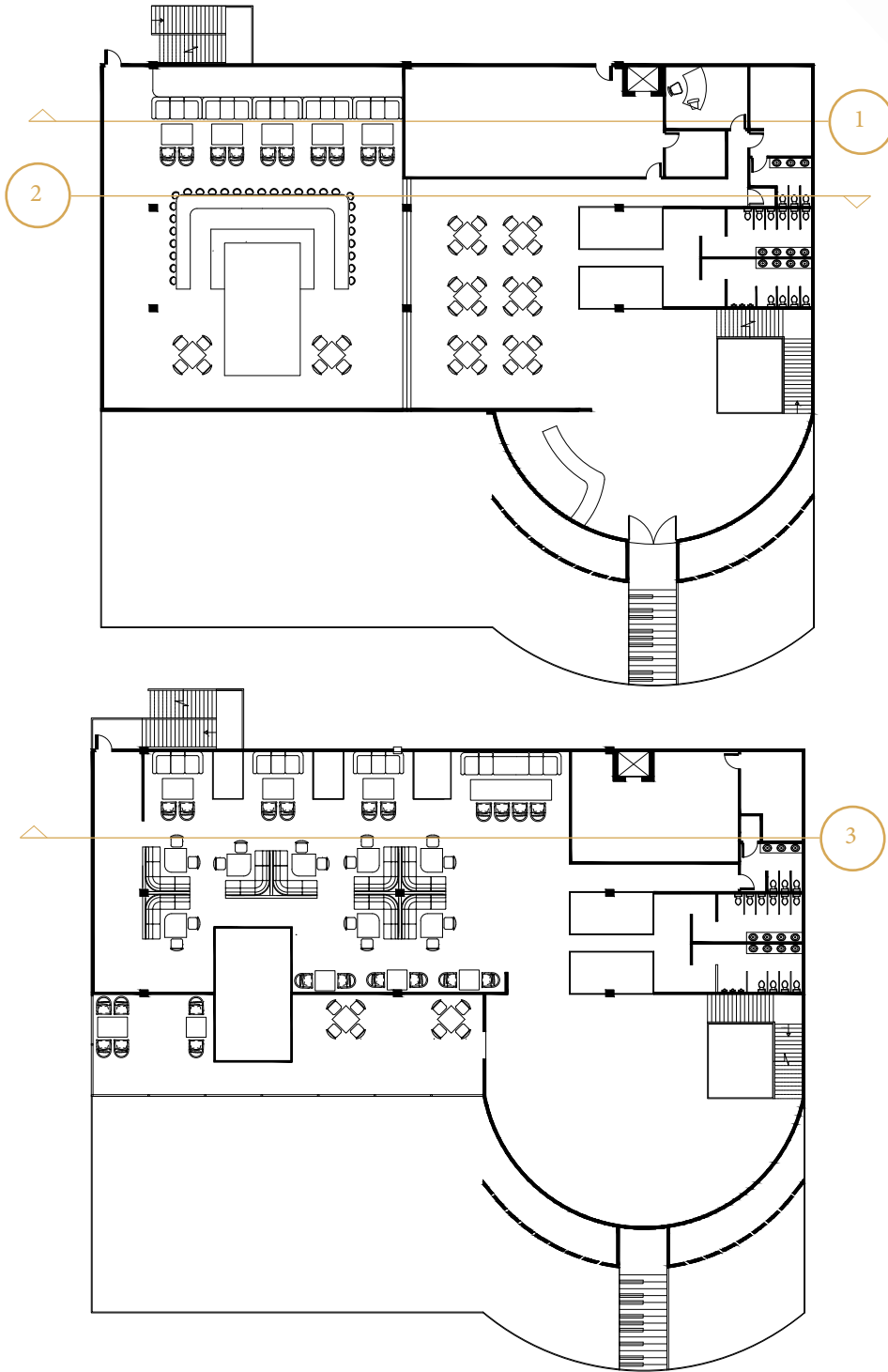
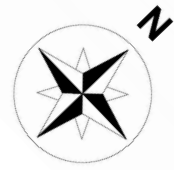
WEST ELEVATION



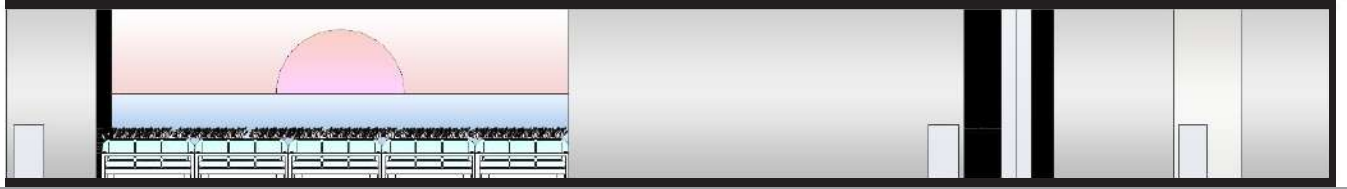
FRONT ELEVATION-GROUND FLOOR



FRONT ELEVATION-LEVEL 2



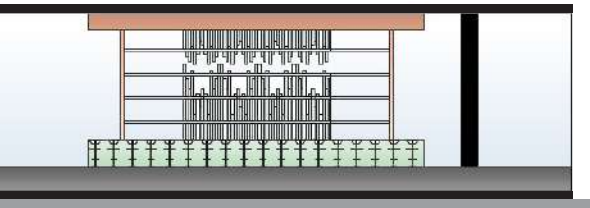




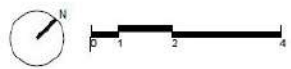
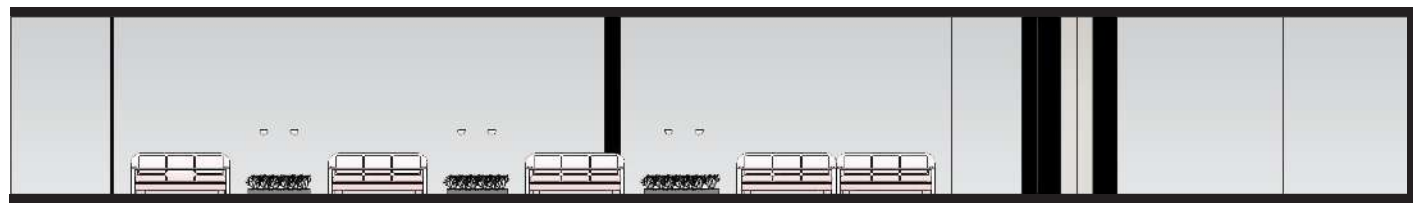
SECTION 1



SECTION



2



SECTION 3







RECEPTION



STAIRCASE



DINING 1



DINING 2





BAR



SKYLIGHT





SKYLIGHT



DINING 3





DINING 4

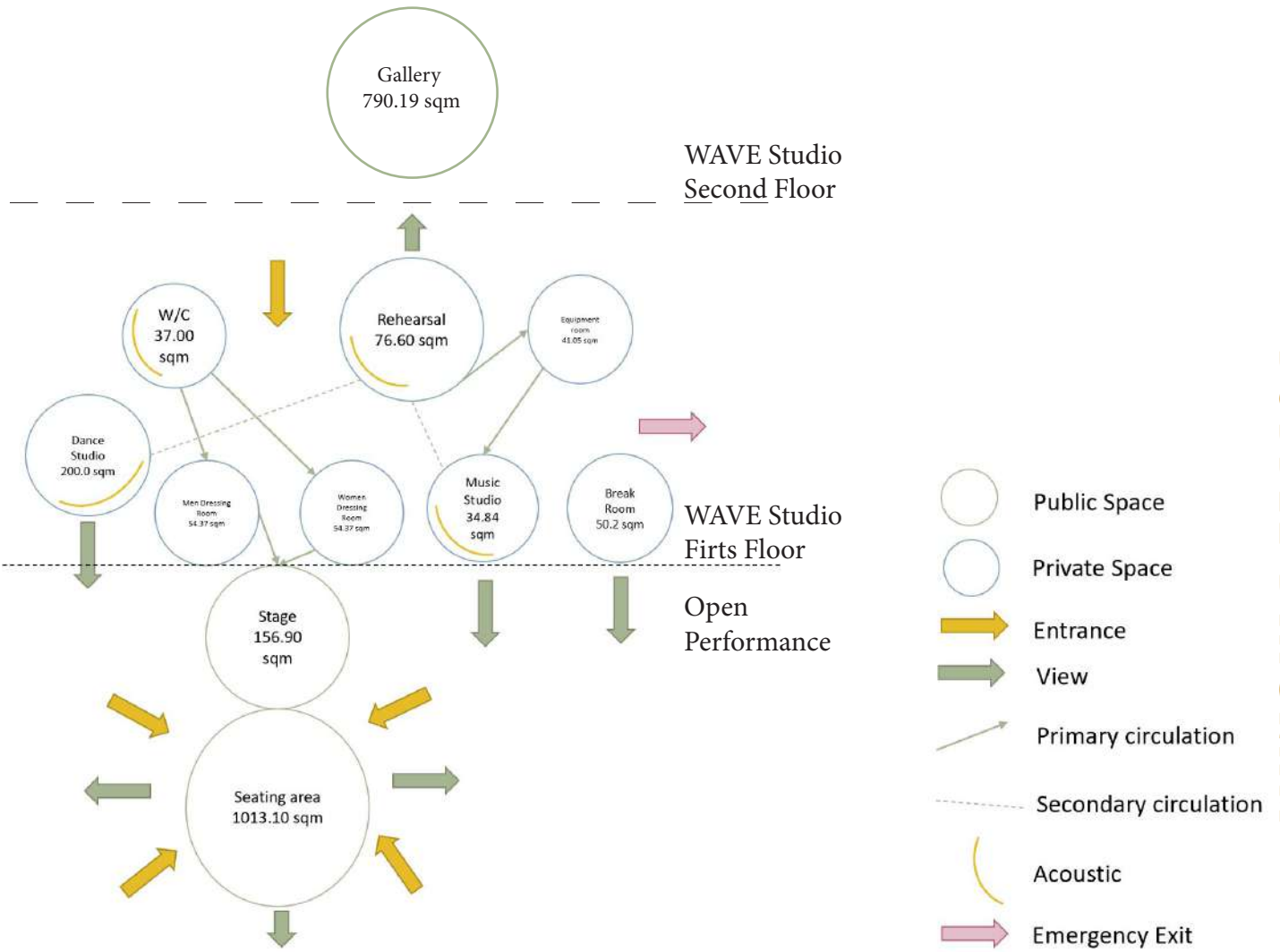


PATIO



## Open Performance and WAVE Studio:

WAVE Studio is a functional and private building (only for staff which includes a dance room, a music room, equipment room, rehearsal room, staff area, unisex washroom and 2 dressing rooms for each gender. In addition, WAVE Studio will have 2 levels. The second level will be an open gallery for every visitor to do sightseeing and a peak for visitors to contemplate the sunset. WAVE Studio is considered backstage of Open Performance (public space). In other words, WAVE Studio will be connected with Open Performance that created a unique architecture right middle Tropical House.

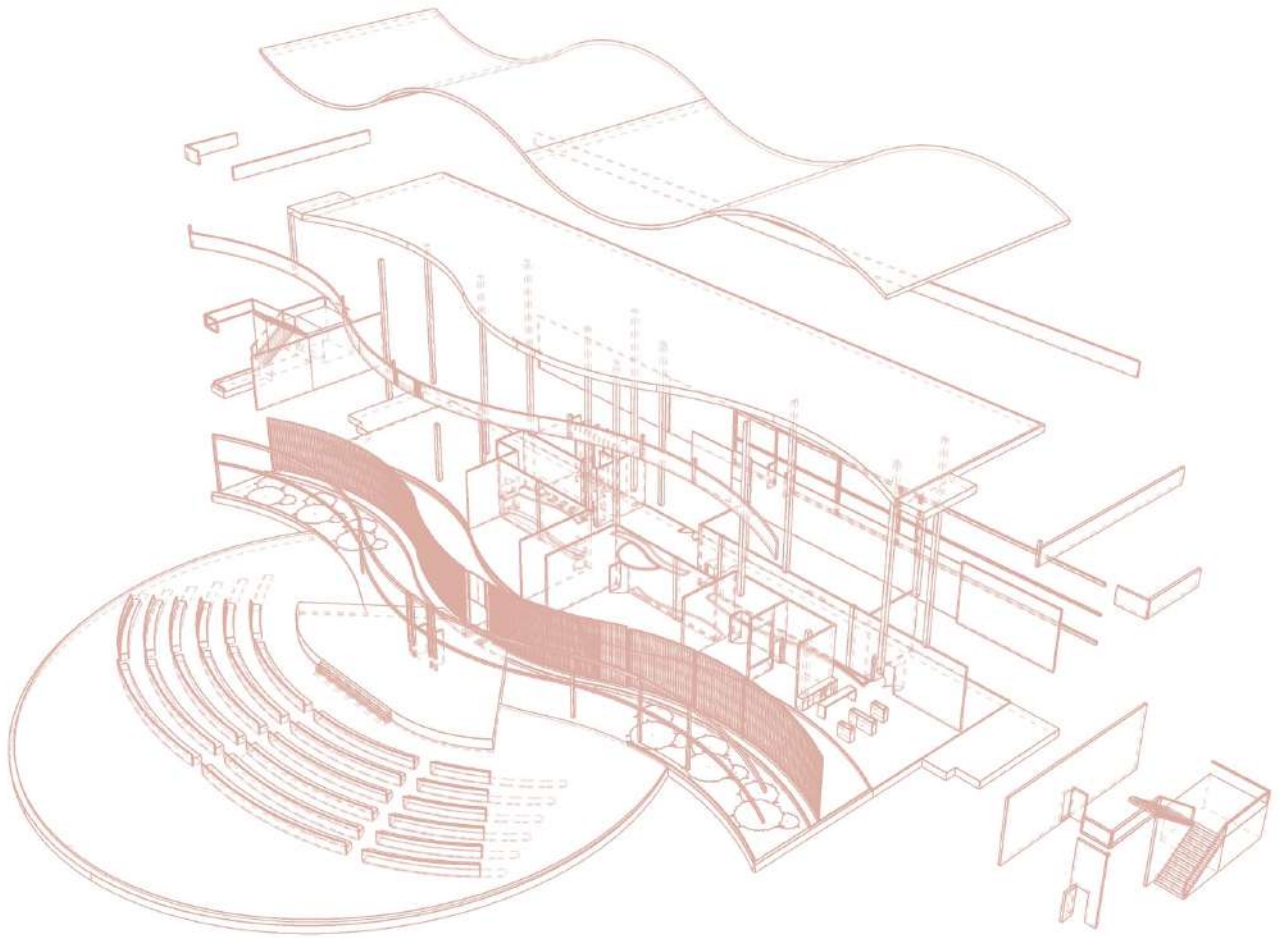


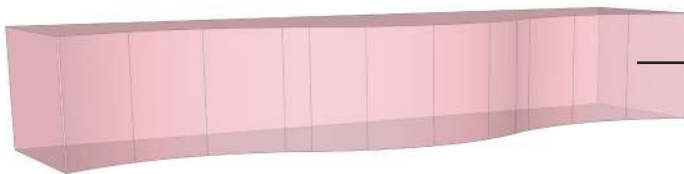
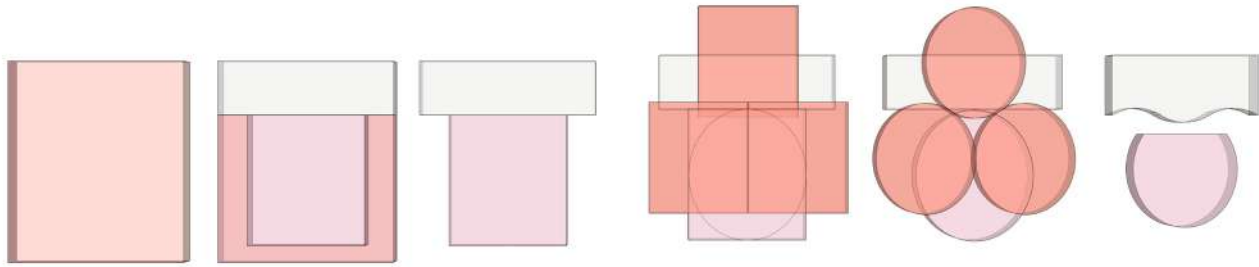
Space	Size	Public	Daylight
<b>Primary</b>			
Gallery	790.19 sqm	Yes	Yes
Seating area	1013.10 sqm	Yes	Yes
Stage	156.90 sqm	No	Yes
Rehearsal	165.80 sqm	No	No
Dance Studio	200 sqm	No	Yes
Music Studio	34.84 sqm	No	Yes
<b>Support</b>			
Men Dressing Room	54.37 sqm	No	Yes
Women Dressing Room	54.37 sqm	No	Yes
Equipment room	41.05 sqm	No	No
Break Room	50.2 sqm	No	Yes
Washroom	37 sqm	No	No



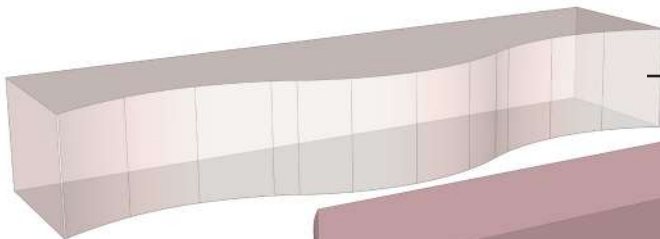
t	Plumbing	Note
	No	Open space with view on 4 sides
	No	About 100-120 people
	No	Merge with nature
	No	Acoustic Installation, functional and Spacious
	No	Acoustic Installation, functional and Spacious
	No	Acoustic Installation, functional and Spacious
	No	Functional, Spacious
	No	Functional, Spacious
	No	Functional and easy to move stuff.
	Yes	Merge with nature and spacious
	Yes	An unisex washroom







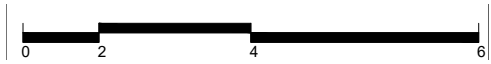
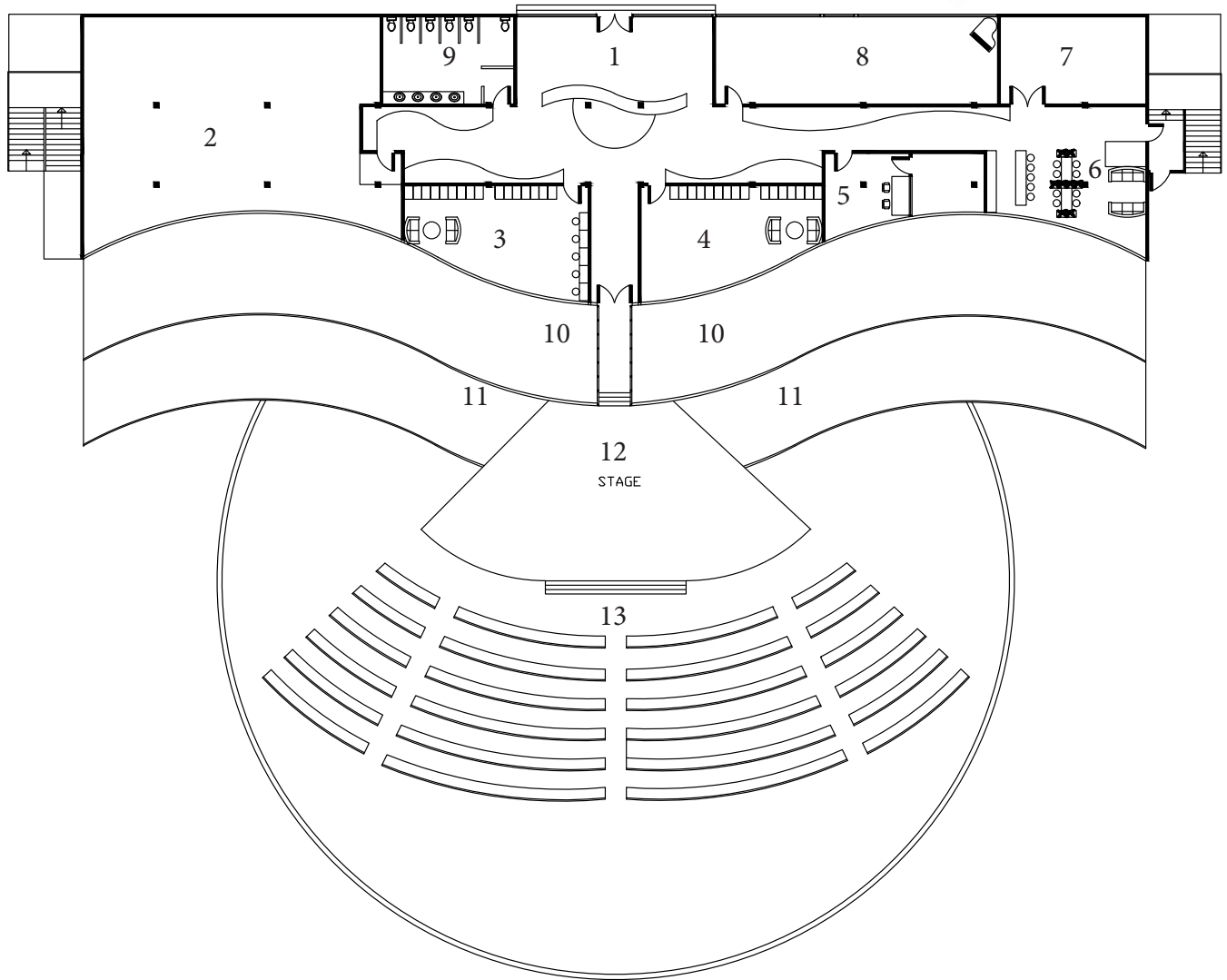
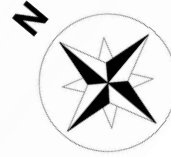
Public Space



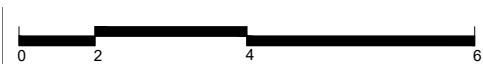
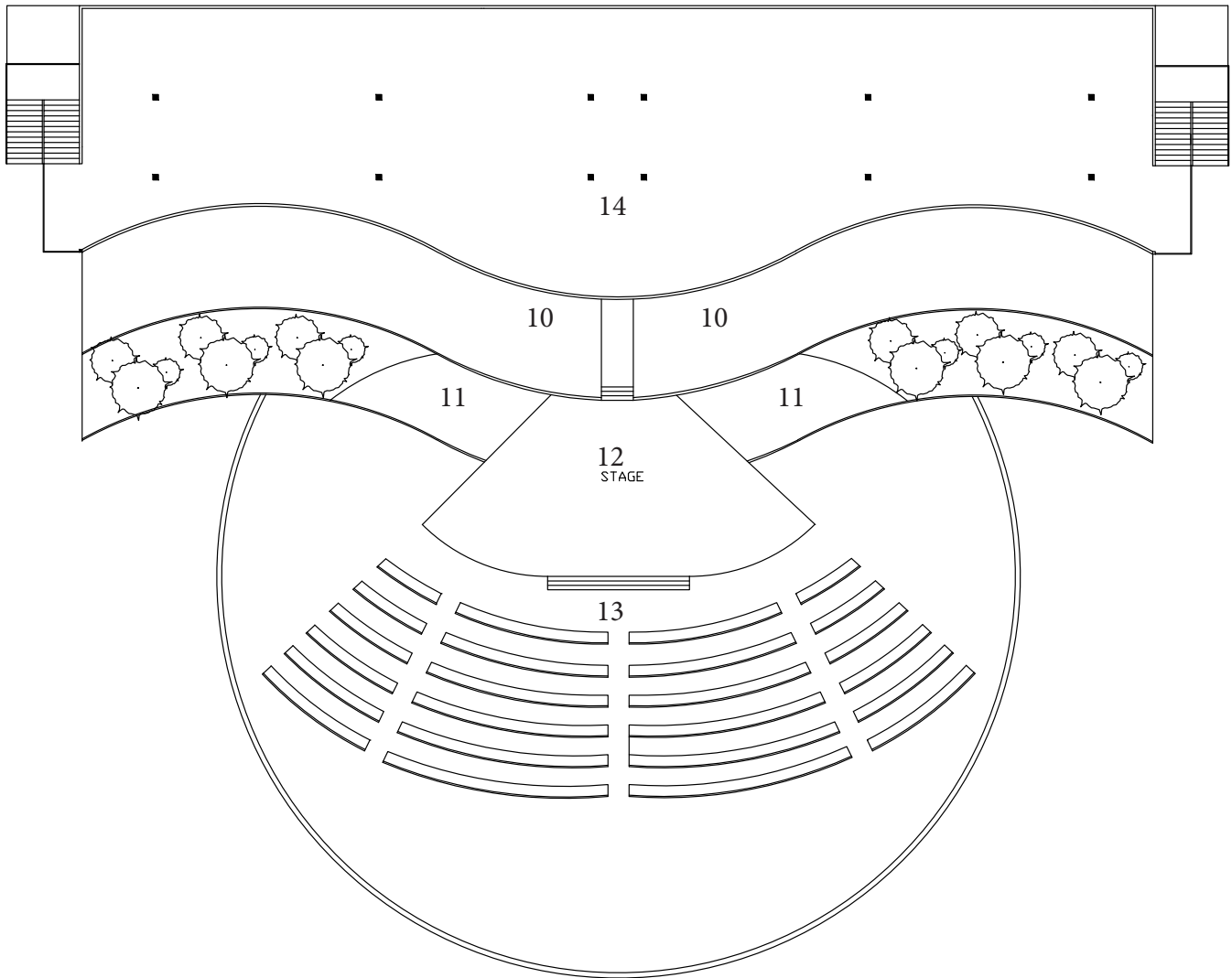
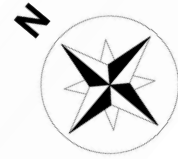
Private Space

Public Space





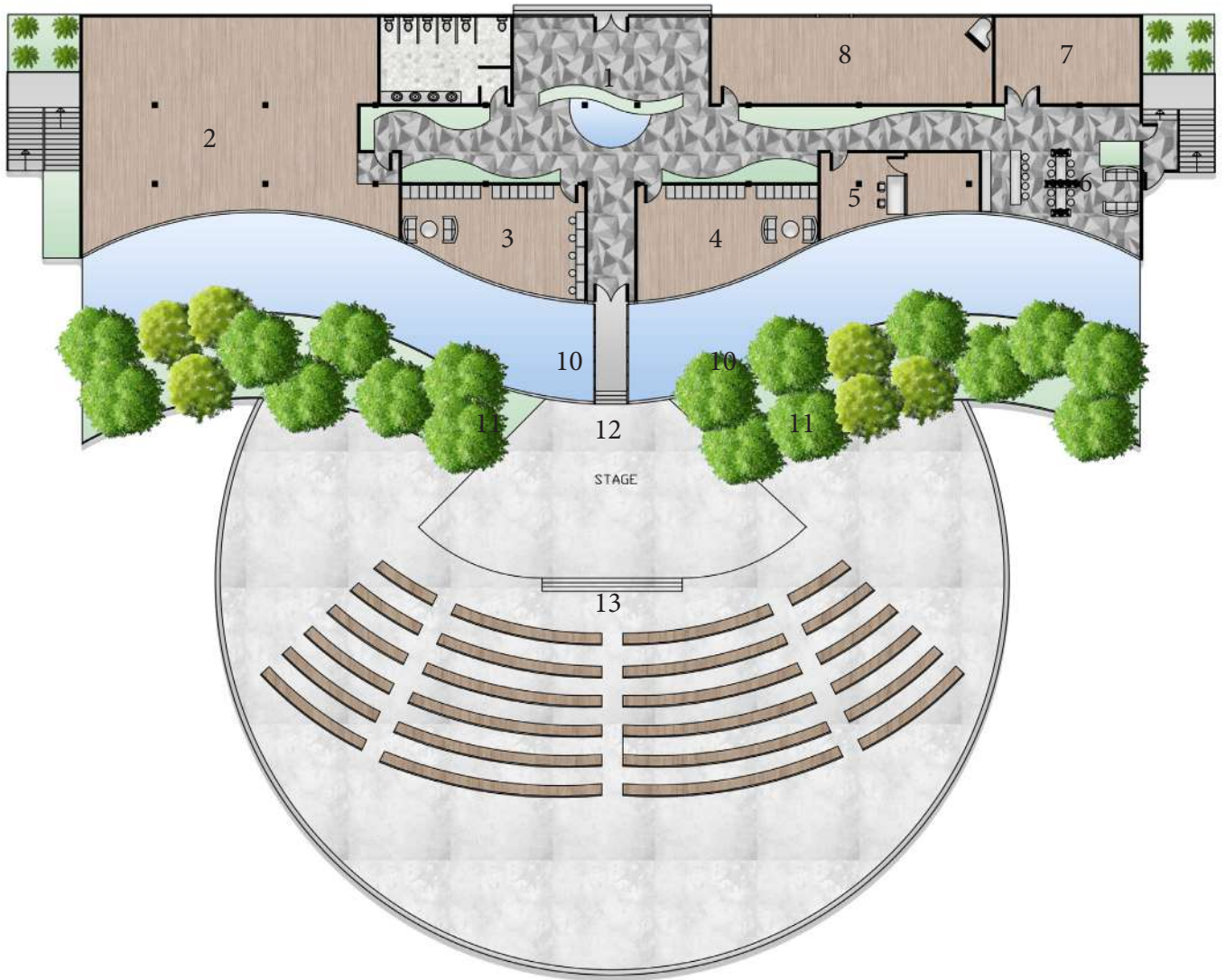
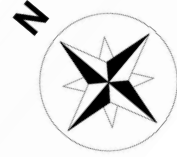
GROUND FLOOR



## LEVEL 2

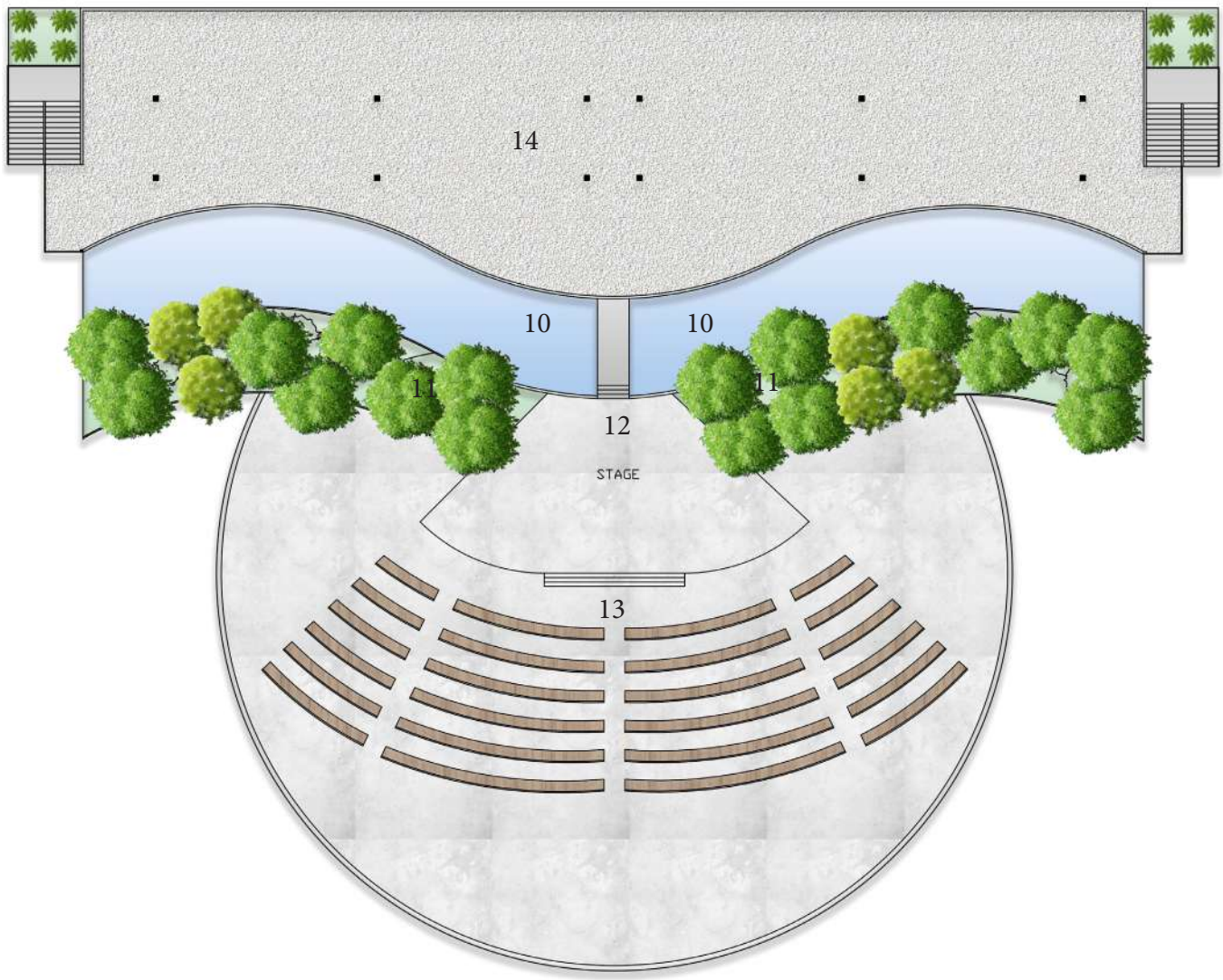
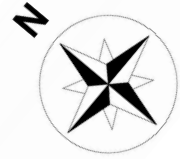
### LEGEND:

1. Entrance 2. Dance Room 3. Women Dressing Room 4. Men Dressing Room  
5. Music Room 6. Staff Area 7. Equipment Room 8. Rehearsal Room  
9. Washroom 10. Pot Tree 11. Pool of Water 12 Stage 13. Seating Area 14. Gallery



GROUND FLOOR



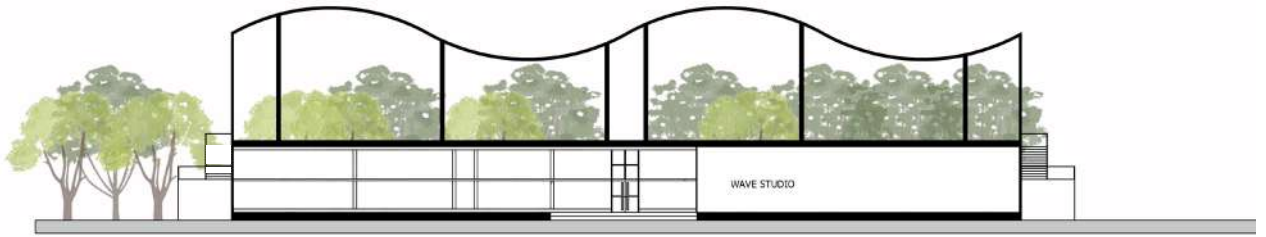


## LEVEL 2

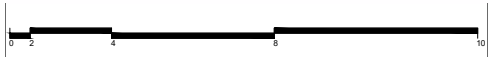
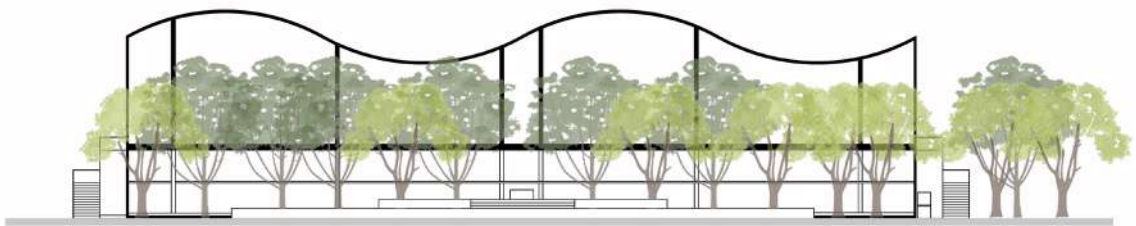
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9. Washroom   10. Pot Tree   11. Pool of Water   12. Stage   13. Seating Area   14. Gallery





RARE ELEVATION



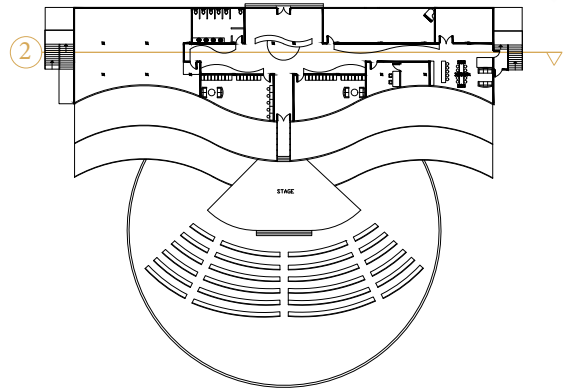
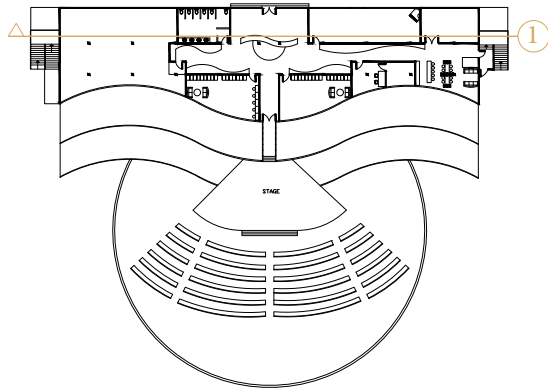
FRONT ELEVATION



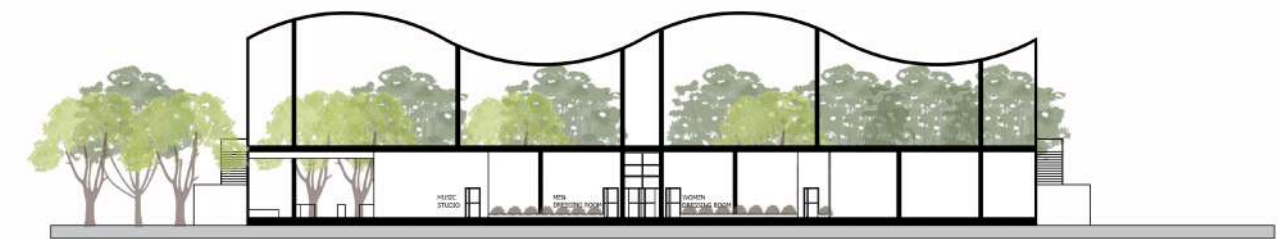
NORTH ELEVATION



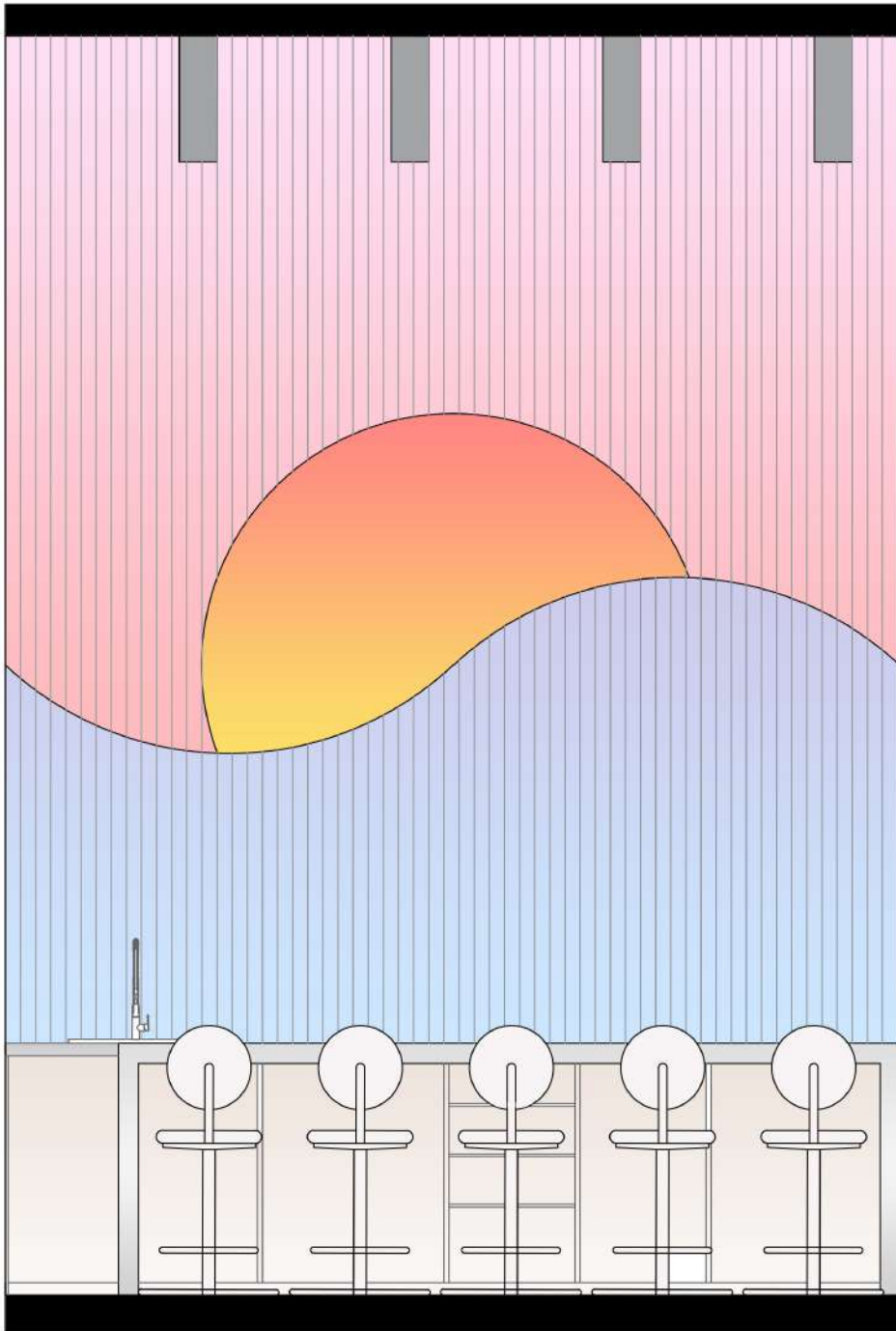
SOUTH ELEVATION



SECTION 1



SECTION 2



BAR ELEVATION





FRONT VIEW



SOUTH VIEW





NORTH VIEW

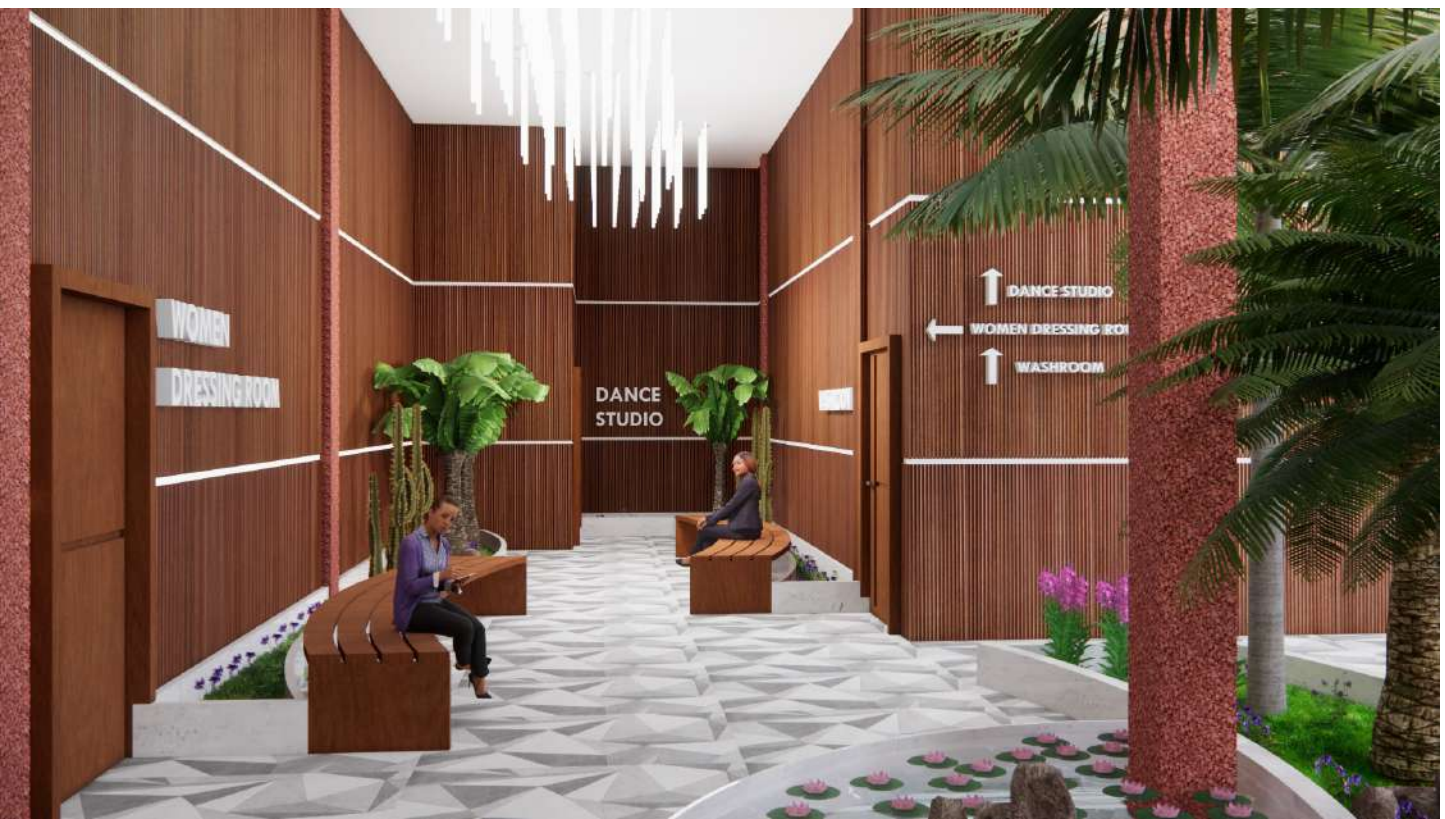


RARE VIEW













BREAK ROOM







BREAK ROOM



BAR