

The five chosen projects for the RIBA award were selected based on clear academic criteria. These included the strength of the design idea, creativity, relevance to the project theme, and the quality of technical and environmental solutions. Each project was evaluated on how well it responded to user needs, site conditions, and the surrounding context through landscape design.

The selection committee ensured a variety of project types were represented, showing a wide range of landscape design challenges. Some projects were service-oriented, such as a port and a hospital, while others were cultural and recreational, like a city of arts, an opera house, and art exhibition spaces. This variety required students to apply different landscape design strategies based on the function and goals of each project.

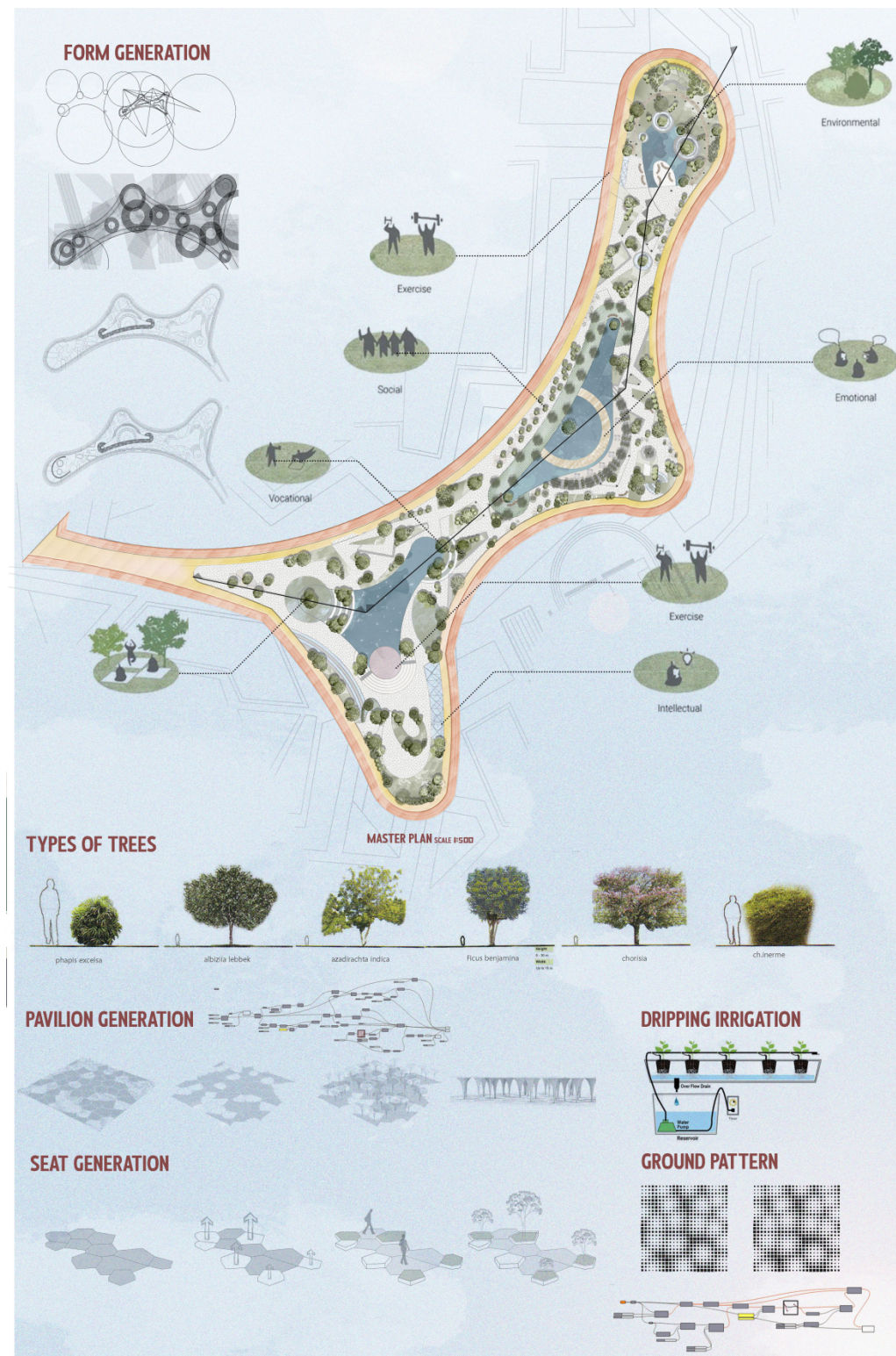
Students worked carefully to design outdoor spaces that support the project's purpose and improve the experience for users. Some designs focused on movement and comfort, while others aimed to create strong visual impressions or encourage social interaction. Students also responded to the local environment, climate, and cultural context to create suitable and sustainable landscape solutions.

Importantly, all selected projects represent development priorities already included in the official strategic plan of Sharm El-Sheikh. These projects reflect the city's goals to improve public spaces, support tourism, and enhance environmental quality. Overall, the selected projects show a strong understanding of landscape design principles and demonstrate how thoughtful outdoor design can contribute to the future of the city in meaningful and creative ways.



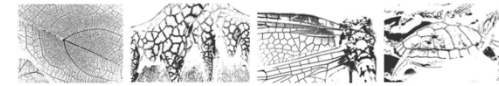
Please provide a 250-word text explaining the selection criteria used to choose the five projects representing the school in the Ribas Piera Prize. Detail the aspects evaluated, such as conceptual quality, innovation, thematic relevance, technical resolution, or any other criteria considered in the selection process with a single image, characteristic of the academic process, to accompany the text.





## VORONOI PATTERN

By looking to this photos we can realize that there is a common pattern that is repeated in many things in nature which is Voronoi patter so it was used in the form generation



## WHY VORONOI PATTERN

### IMPROVED NATURAL VENTILATION:

The Voronoi design allows for natural airflow through the irregular openings, enhancing natural ventilation within the pavilion. This helps reduce the need for air conditioning, saving energy and lowering the hospital's carbon footprint.

### TEMPERATURE REGULATION:

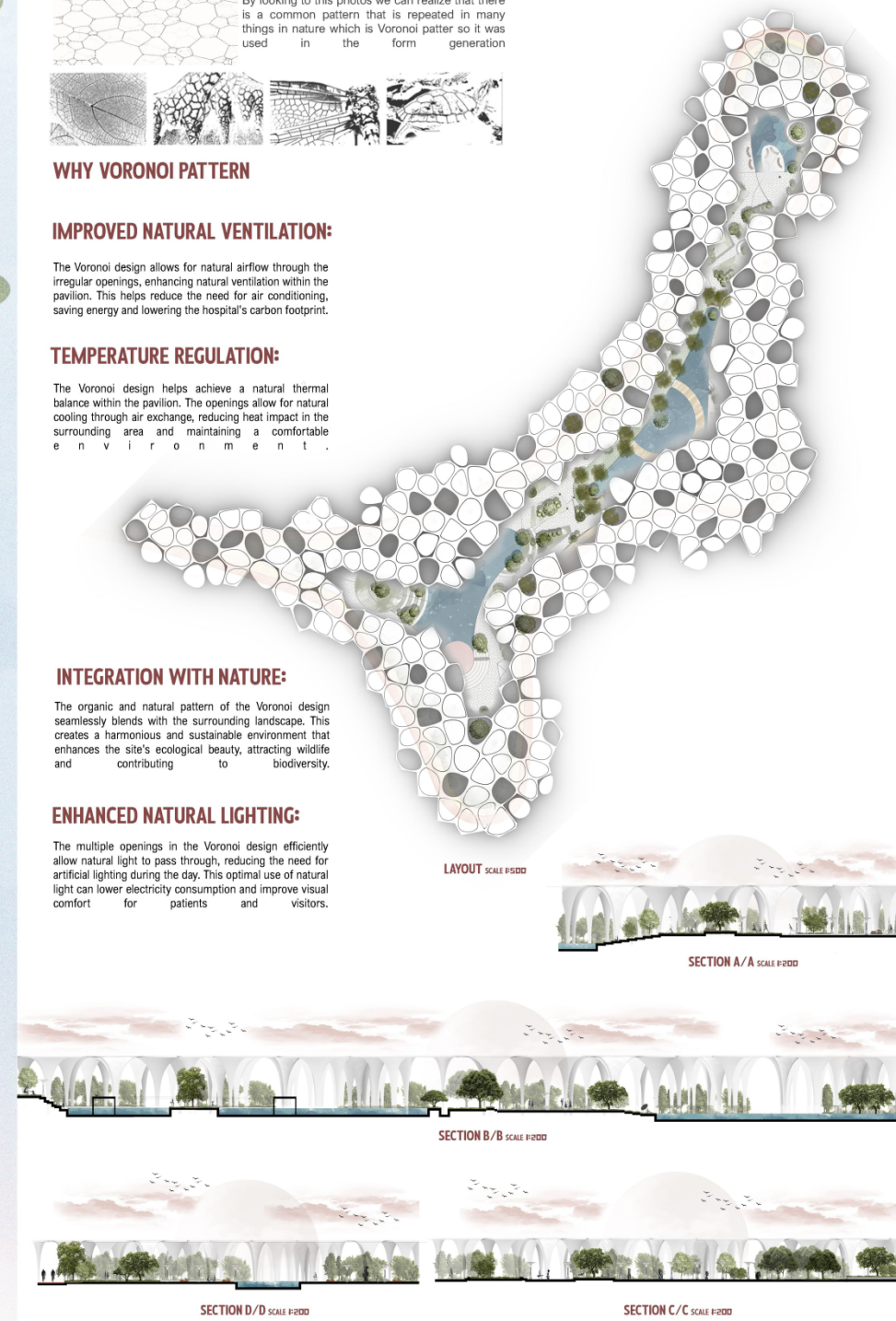
The Voronoi design helps achieve a natural thermal balance within the pavilion. The openings allow for natural cooling through air exchange, reducing heat impact in the surrounding area and maintaining a comfortable environment.

### INTEGRATION WITH NATURE:

The organic and natural pattern of the Voronoi design seamlessly blends with the surrounding landscape. This creates a harmonious and sustainable environment that enhances the site's ecological beauty, attracting wildlife and contributing to biodiversity.

### ENHANCED NATURAL LIGHTING:

The multiple openings in the Voronoi design efficiently allow natural light to pass through, reducing the need for artificial lighting during the day. This optimal use of natural light can lower electricity consumption and improve visual comfort for patients and visitors.



Country/City  
University/School  
Academic year  
Title of the project  
Authors

Egypt/ Sharm El-Sheikh  
King Salman International University / Faculty of Architecture  
2023 - 2024  
General Hospital  
Ahmed Walid Mahfoz





Title of the project .General Hospital

Authors .Ahmed Walid Mahfoz

Title of the course .Landscape Design Studio

Academic year .2023 - 2024

Teaching Staff .Dr/ Rasha Sayed – L.A Sara Sayed

Department / Section / Program of belonging .Architecture Program

University / School .King Salman International University/ Faculty of Architecture

Written statement, short description of the project in English, no more than 250 words

The project is a landscape design proposal for a public hospital in Sharm El-Sheikh. The main design concept is based on organizing the outdoor spaces to serve as functional extensions of the hospital’s internal departments. Each external area was planned to support the activities of the corresponding medical unit, improving the overall experience for patients, visitors, and staff.

A central element of the design is the creation of a healing garden located in the heart of the site. This space is designed to support the well-being of patients, doctors, nurses, and administrative staff. It includes areas for light physical activity, relaxation, and interaction with nature. The goal is to reduce stress, support recovery, and improve mental health by offering quiet, green spaces for rest and reflection.

Another important feature is the inclusion of a research garden planted with local medicinal plants. This space serves a dual purpose: supporting medical and botanical research and contributing to the preservation of native plant species that are valuable to the region. The layout encourages educational use while being visually integrated into the landscape.

The design also considers the local climate and environmental conditions of Sharm El-Sheikh by using native plants, shaded walkways, and water-efficient solutions. Overall, the landscape design aims to create a healthy, supportive, and sustainable environment that complements the hospital’s medical functions and meets the needs of both users and the wider community.

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## GENERAL HOSPITAL SHARM EL SHEIKH

### INTRODUCTION

#### 01 Definition

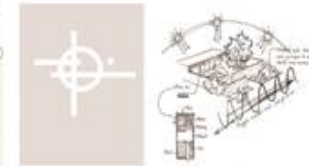
A hospital is a health care institution providing patient treatment with specialized health science and auxiliary healthcare staff and medical equipment.

#### 02 Etymology

The word "hospital" comes from the Latin language, meaning a stranger or a foreigner, and hence the quest. This is because hospitals had different functions than modern institutions in that they were homes for the poor.

### LANDSCAPE CONCEPT

The project should express the beauty of Nature and Art to achieve comfort inspiring public space for everyone.



### Cultural & Man-Made Features

#### HISTORICAL REQUIREMENTS & FACTORS ARCHITECTURAL FACTORS

##### HISTORICALLY:

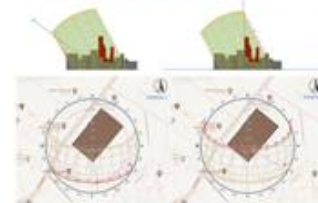
The city's location played a strategic role, controlling access to the Red Sea. Natural resources like pearls and minerals attracted limited development focused on extraction. Bedouin tribes inhabited the area with their unique, adaptable architecture.

##### MODERN DEVELOPMENT:

Since the 1980s, tourism has driven rapid growth, leading to extensive tourist infrastructure (hotels, resorts, shopping centers). International architectural styles dominate, creating a contrast with traditional Bedouin architecture.



#### CLIMATE SOLAR ORIENTATION



#### CIRCULATION



#### SOIL



#### TOPOGRAPHY



#### NEIGHBORHOODS



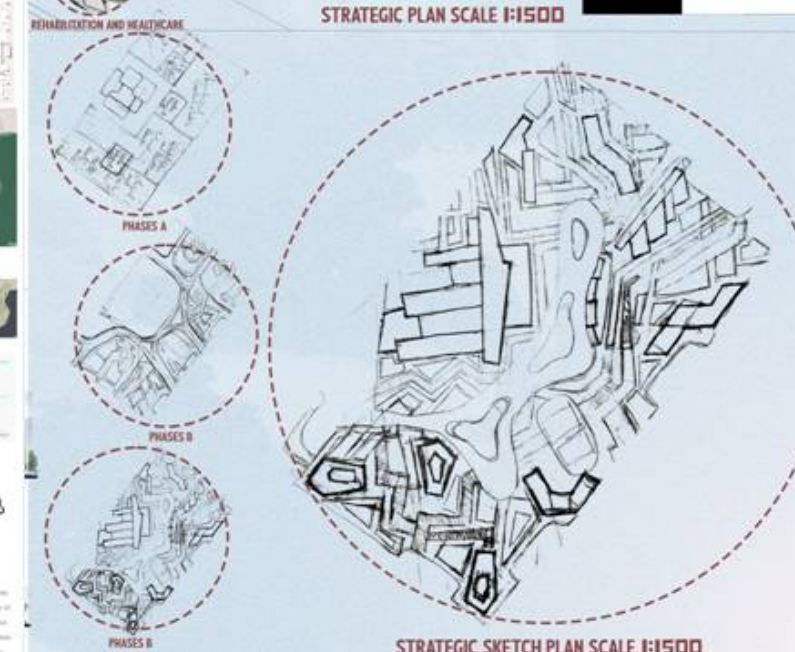
#### OVERPOPULATION



#### ECONOMIC FACTORS



STRATEGIC PLAN SCALE 1:1500



STRATEGIC SKETCH PLAN SCALE 1:1500



NAME : AHMED WALID MAHFOZ  
ID: 20150013





Layout Scale: 1:300

Country/City  
University/School  
Academic year  
Title of the project  
Authors

Egypt/ Sharm El-Sheikh  
King Salman International University / Faculty of Architecture  
2024 - 2025  
Marina & Opera House  
Shahd Mohamed El Hallab



TECHNICAL DOSSIER

Title of the project	Marina & Opera House
Authors	Shahd Mohamed El Hallab
Title of the course	Landscape Design Studio
Academic year	2024- 2025
Teaching Staff	Dr/ Rasha Sayed – L.A Sara Sayed – T.A Islam Ashraf
Department / Section / Program of belonging	Architecture Program
University / School	King Salman International University/ Faculty of Architecture



Written statement, short description of the project in English, no more than 250 words

The project is a landscape design proposal for a Marina and Opera House located in Sharm El-Sheikh. It aims to create a unique cultural and recreational destination that supports the city’s tourism development goals. The design combines entertainment, heritage, and hospitality in one integrated site to attract both local residents and international visitors.

At the heart of the project is the Opera House, which serves as a cultural landmark and hosts artistic performances and public events. Surrounding this central feature is a Yacht Club designed to provide a high-end leisure experience for yacht owners and visitors. The marina layout includes organized docking areas, pedestrian promenades, shaded seating zones, and scenic viewing points over the water.

Another important component of the project is a cultural zone that showcases the history and identity of the region through exhibitions and outdoor installations. This area is designed to promote learning, community engagement, and cultural exchange. A boutique hotel is also included in the master plan to accommodate visitors, along with administrative and commercial services to support the daily operation of the site.

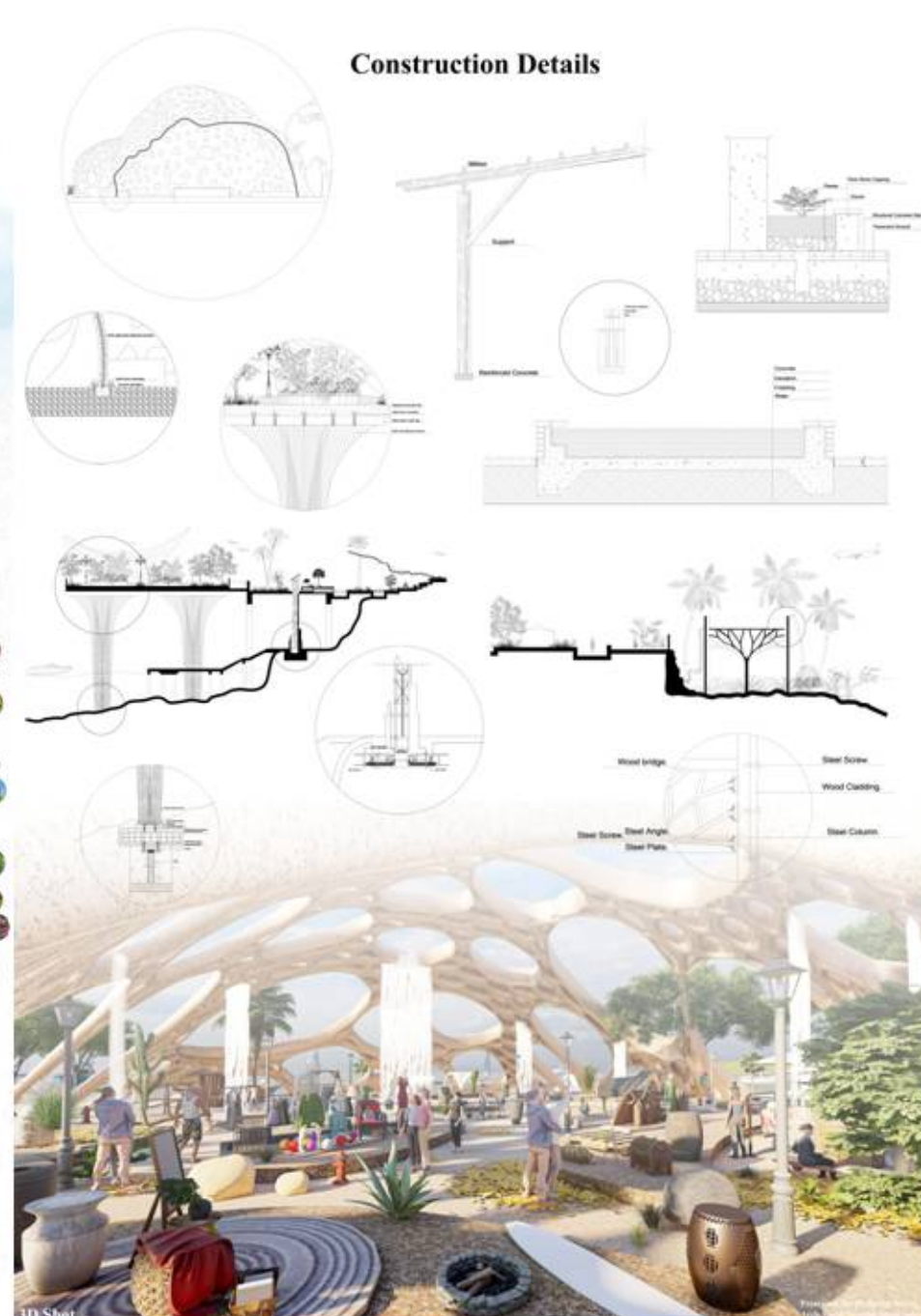
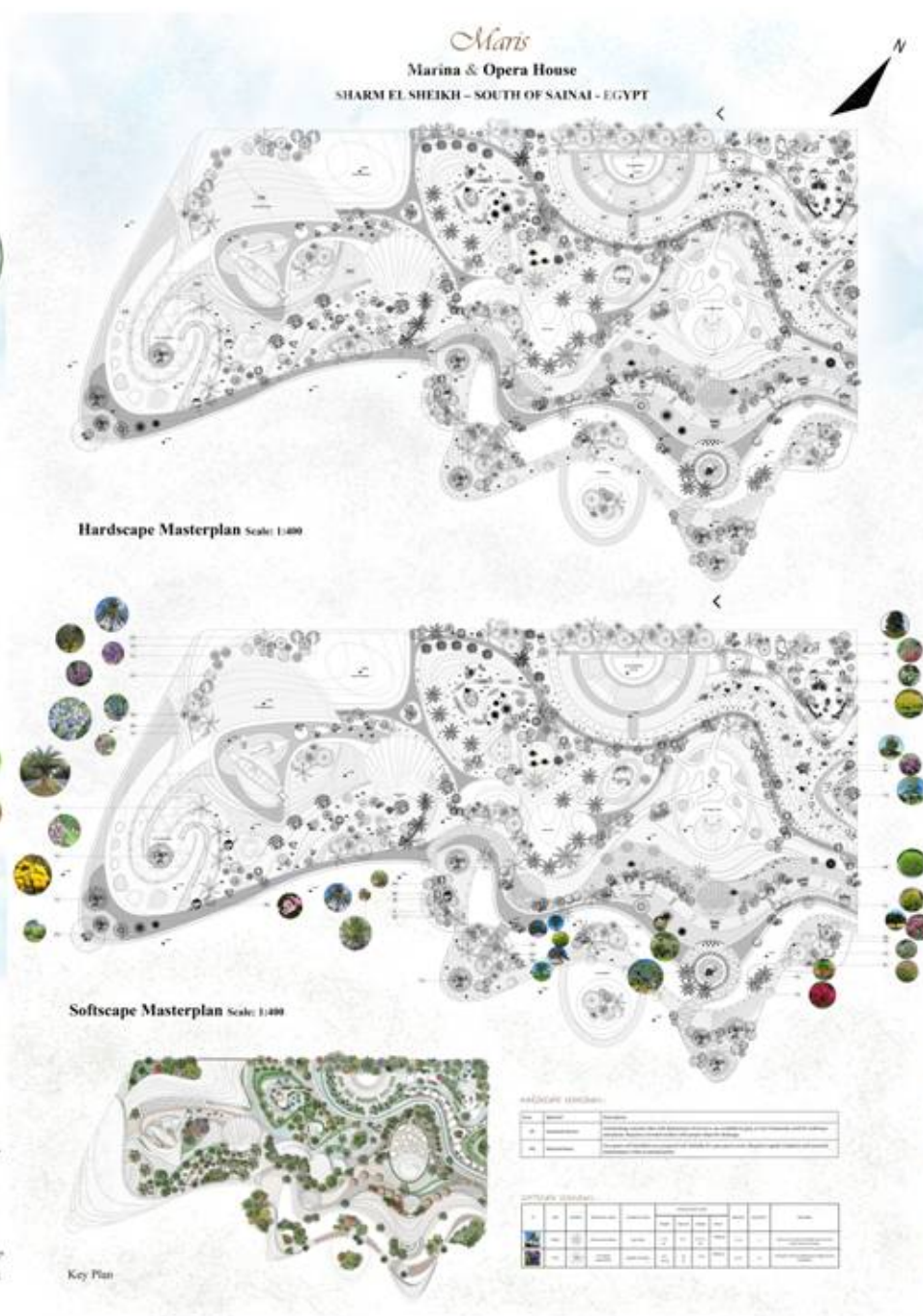
The landscape design carefully links all areas through green corridors, shaded pathways, and outdoor gathering spaces that reflect the local climate and character of Sharm El-Sheikh. Native plants, water features, and comfortable seating areas are used to create an inviting and sustainable environment. Overall, the project provides a balanced mix of culture, recreation, and hospitality, reinforcing Sharm El-Sheikh’s position as a leading destination for cultural and leisure tourism

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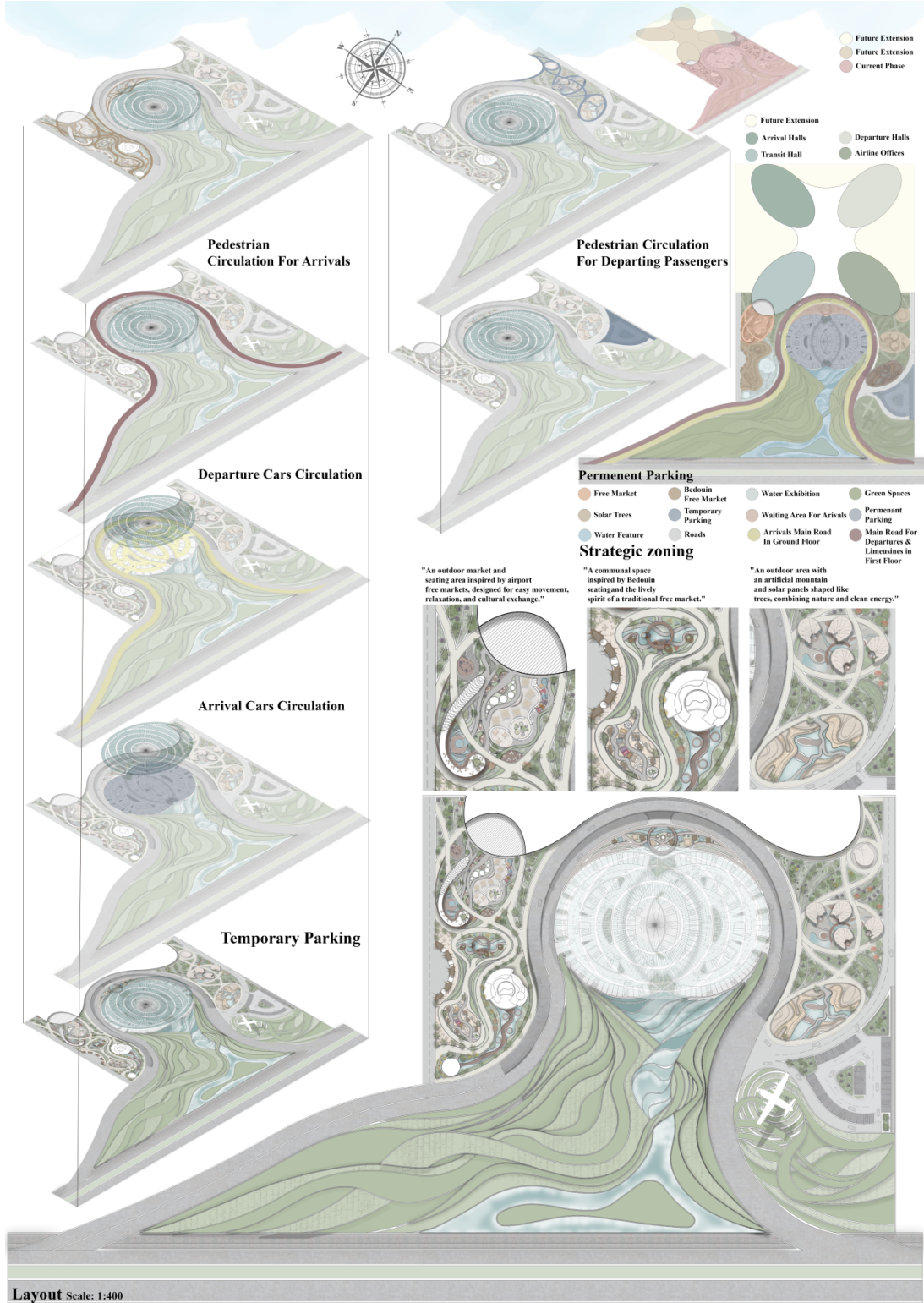
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Country/City	Egypt/ Sharm El-Sheikh
University/School	King Salman International University / Faculty of Architecture
Academic year	2024 - 2025
Title of the project	Airport
Authors	Noran Khaled



TECHNICAL DOSSIER

Title of the project

Authors

Title of the course

Academic year

Teaching Staff

Department / Section / Program of belonging

University / School

Airport

Noran Khaled

Landscape Design Studio

2024- 2025

Dr/ Rasha Sayed – L.A Sara Sayed – T.A Islam Ashraf

Architecture Program

King Salman International University/ Faculty of Architecture

Written statement, short description of the project in English, no more than 250 words

The design of the outdoor spaces in front of the airport building aims to create a strong visual memory and a unique psychological experience for visitors and travelers. The project seeks to leave a lasting impression by transforming the arrival experience into an engaging and culturally rich journey. Upon entering the site, visitors are welcomed by wide green landscapes of varying heights. These green zones are carefully designed to be visually dynamic and environmentally pleasant, offering a refreshing atmosphere that contrasts with typical airport environments.

At the heart of the landscape lies a smart and sustainable car parking area, integrated seamlessly into the natural surroundings. This parking solution not only supports environmental goals but also contributes to a more organized and user-friendly experience. To enhance the waiting time and make it more meaningful, the project includes traditional bazaars and small cafeterias. These elements offer cultural and recreational value, allowing visitors to explore local crafts, food, and traditions while waiting.

By combining nature, technology, and culture, the outdoor area of the airport becomes more than just a transitional space. It transforms into a memorable part of the travel experience. The project encourages emotional connection and a sense of place, rooted in the region’s identity. This thoughtful integration of function and culture ensures that the airport is not only a gateway for travel but also a symbol of local heritage and hospitality

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# EXPANSION OF SHARMEI-SHEIKH INTERNATIONAL AIRPORT

## Sharm El-sheikh -South Sinai- Egypt

1000.00x10.140.20m

1.00x1.00x0.25m

Natural grass

Water

Asphalt

Granite (2.50x0.80m)

Grid-6

Wood

Baffle (2x2)cm

### Hardscape Table

Material	Color	Quantity
Asphalt	Grey	1000.00x10.140.20m
Granite	White	2.50x0.80m
Grid	Black	Grid-6
Wood	Light	Wood
Baffle	White	2x2cm

**Softscape Masterplan** Scale: 1:400

INTERNATIONAL AIRPORT									
		INTERLOCK (1'x2' 25/32")							
		Limestone (2'5x2' 8/16")							
		Natural Grass							
		Water							
		Asphalt							
		Granite (2'5x2' 8/16")							
		Gravel							
		Wood							
		Bamboo (2'x2') 1/2"							
Hardscape Table									
TREES									
PLANT	DBH	SPACING	PLANT	DBH	SPACING	PLANT	DBH	SPACING	PLANT
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
SHRUBS									
PLANT	DBH	SPACING	PLANT	DBH	SPACING	PLANT	DBH	SPACING	PLANT
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
LOW GROW CRIMBS									
PLANT	DBH	SPACING	PLANT	DBH	SPACING	PLANT	DBH	SPACING	PLANT
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
	12"	10'		12"	10'		12"	10'	
Plantation Table									

read read read , loaded model, saved obj, all set between

This architectural drawing presents a comprehensive set of construction details for a landscape project. It includes:

- Plan Views:** Two large-scale plans at the top show the overall site layout with circular callouts identifying key structural elements.
- Circular Callouts:** Six circular insets provide detailed views of specific structures, including bridges and pavilions, showing their internal frameworks and materials.
- Structural Details:** Several cross-sections and elevations illustrate the construction of different elements:
  - A large bridge-like structure with multiple spans and supports.
  - Pavilion-like structures with curved roofs and open sides.
  - Sections through trees and walls, showing the integration of natural elements with built structures.
- Labels:** Various labels in Chinese and English identify the components, such as "Bridge Structure", "Pavilion Structure", "Tree Structure", and "Wall Structure".
- Scale:** A scale bar at the bottom right indicates a scale of 1:5.

Scale: 1/2  
Softscape Construction Detail





Country/City  
University/School  
Academic year  
Title of the project  
Authors

Egypt/ Sharm El-Sheikh  
King Salman International University / Faculty of Architecture  
2024 - 2025  
Sharm El-Sheikh Port  
Rowes Romany





Title of the project

Sharm El-Sheikh Port

Authors

Rowes Romany

Title of the course

Landscape Design Studio

Academic year

2024- 2025

Teaching Staff

Dr/ Rasha Sayed – L.A Sara Sayed – T.A Islam Ashraf

Department / Section / Program of belonging

Architecture Program

University / School

King Salman International University/ Faculty of Architecture

Written statement, short description of the project in English, no more than 250 words

The project involves the expansion of Sharm El Sheikh Port to enhance its role as a key gateway for maritime tourism. The development includes the addition of a new passenger terminal, a hotel, restaurants, a theater, and various recreational areas. The main goal of the design is to create a unique and welcoming experience for visitors arriving in Sharm El Sheikh by sea and cruise ships. The project reflects a strong integration between functional and leisure elements, offering both comfort and entertainment in a unified setting.

The design emphasizes harmony among the various components, ensuring smooth movement and visual continuity throughout the site. One of the key features is the use of modern shaded areas across the open spaces. These shaded zones are carefully designed to respond to the hot and sunny climate of Sharm El Sheikh, improving thermal comfort for visitors and encouraging longer stays in outdoor areas.

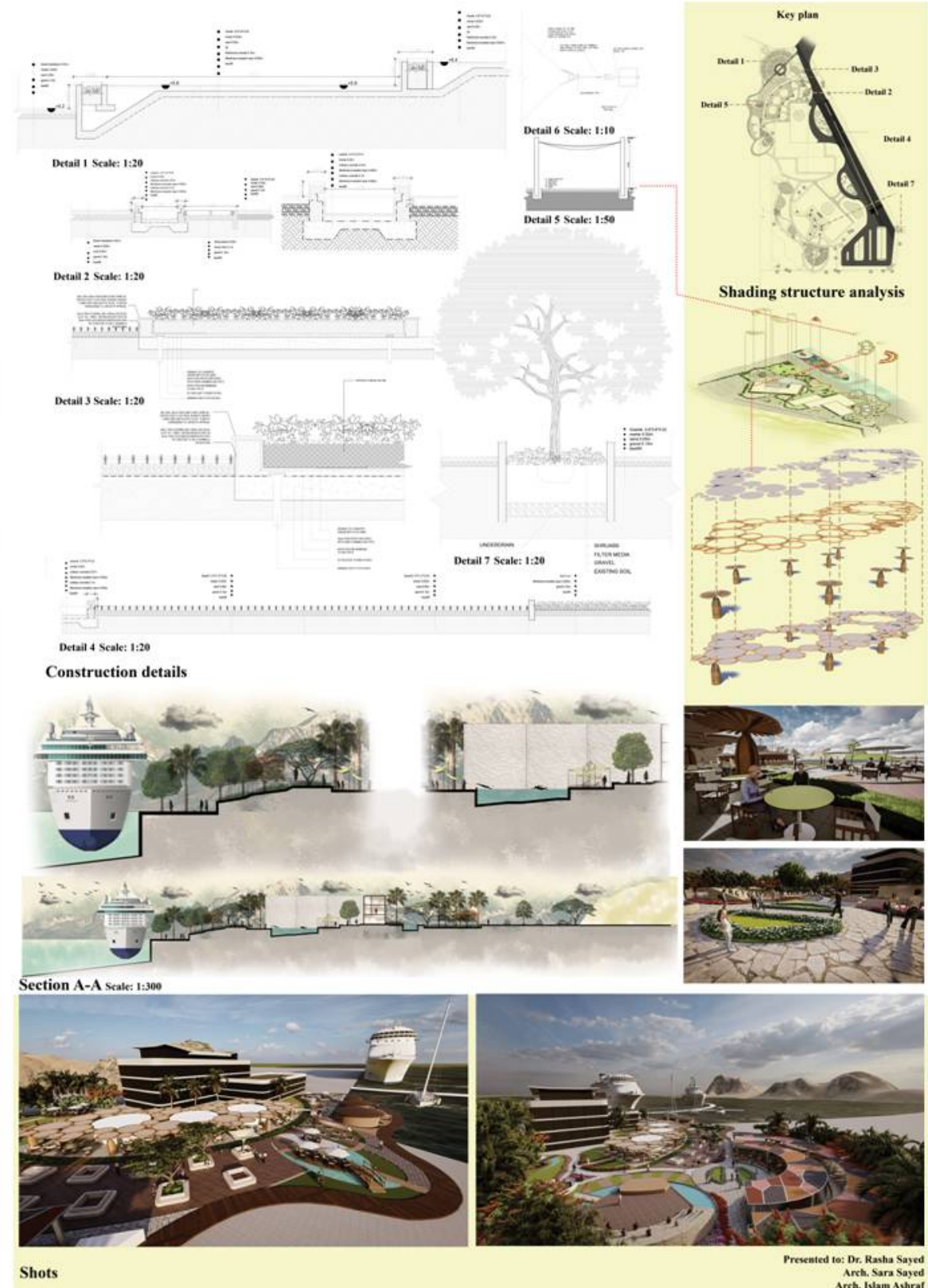
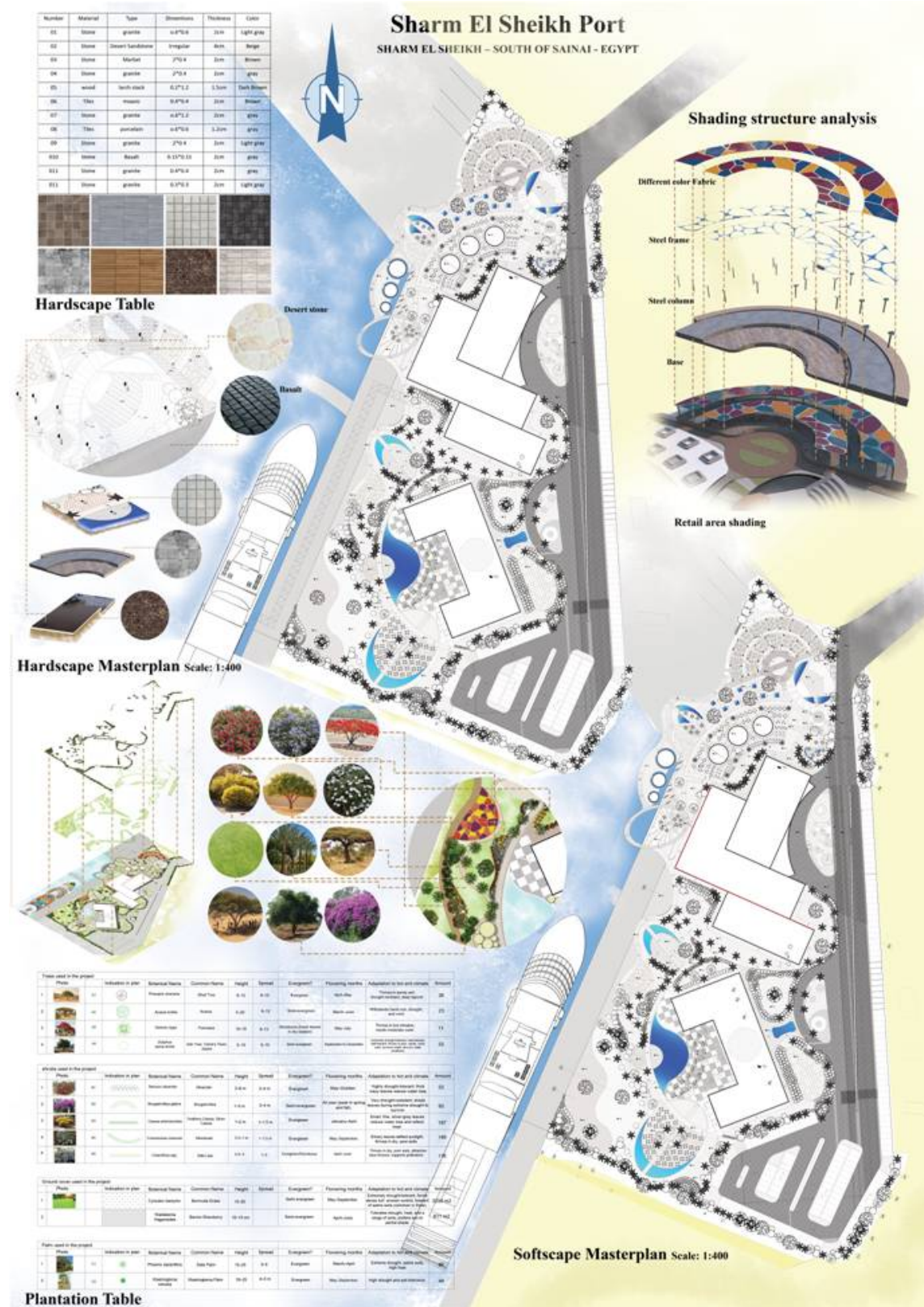
The overall layout and architectural language aim to provide a memorable first impression of the city. Visitors arriving by sea will be welcomed by a vibrant, organized, and visually pleasing environment that reflects the spirit of the city. The integration of service and cultural elements, such as restaurants and recreational spaces, adds to the richness of the experience. By offering comfort, shade, and leisure in one coherent design, the project not only supports the port’s functionality but also enhances the emotional and cultural connection between the visitor and the city.

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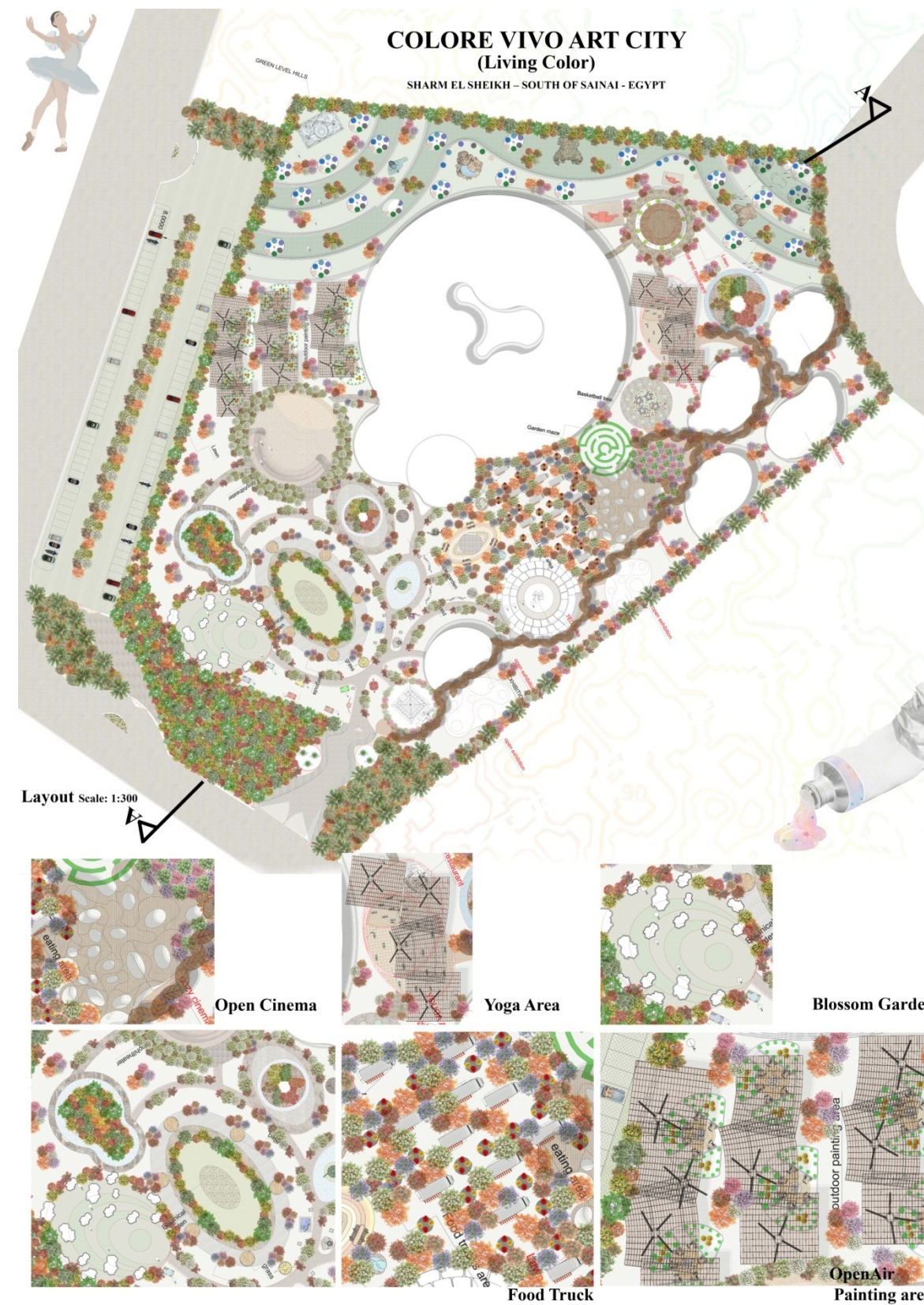
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**Country/City**  
**University/School**  
**Academic year**  
**Title of the project**  
**Authors**

Egypt/ Sharm El-Sheikh  
King Salman International University / Faculty of Architecture  
2024 - 2025  
Art City  
Youmna Adel



TECHNICAL DOSSIER

Title of the project

Authors

Title of the course

Academic year

Teaching Staff

Department / Section / Program of belonging

University / School

Art City

Younna Adel

Landscape Design Studio

2024- 2025

Dr/ Rasha Sayed – L.A Sara Sayed – T.A Islam Ashraf

Architecture Program

King Salman International University/ Faculty of Architecture

13

Written statement, short description of the project in English, no more than 250 words

The project is designed as an Arts City that celebrates creativity, nature, and well-being. The outdoor spaces play a central role in supporting artistic expression and offering a unique experience for visitors and residents. The design includes open-air areas dedicated to painting and drawing in the heart of nature, allowing artists to connect directly with their surroundings. Botanical gardens and quiet zones are thoughtfully placed to provide peaceful spaces for reading and relaxation, encouraging a calm and inspiring environment.

In addition, designated areas for yoga and meditation are included to promote physical and mental wellness. An outdoor theater provides a venue for performances and cultural events, enriching the artistic life of the community. Various service spaces are also integrated into the layout to support daily needs and ensure a comfortable and functional experience for users.

The overall design is based on smooth, flowing lines that reflect a sense of harmony with the natural landscape. This use of organic forms symbolizes flexibility, freedom, and the fluid nature of creativity. The curves and soft transitions between different zones encourage movement and exploration, while also blending naturally into the site.

By combining artistic, recreational, and wellness functions, the project offers more than a built environment—it becomes a living space for creativity, reflection, and community. The Arts City stands as a model for integrating design, nature, and culture into a unified and inspiring experience.

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