

Introducing...

JINTA SARA MATHEW

Architect

QUALIFICATIONS

B.ARCH from Anna University,
Chennai,
India (2005 - 2010)

LEED AP (Pursuing)



Indian, Female, 24

EXPERIENCE

SV CONSULTANTS,
Bangalore
(Sept 2010- Dec 2010)

Khan Global Consultants
and Engineers, Bangalore
(KGD STUDIOS)
(Dec 2010 - Oct 2011)

Projects:

TI-D Domestic Airport,
Delhi

RG International Airport,
Hyderabad

Jubail University, S. Arabia
Kholani's F&B, Hyderabad
QVC Villa, Bangalore

Ashwini Commercial Complex,
Bangalore

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HIGH lights

Proficient in AutoCAD 2010, Adobe Photoshop, Sketch Up, 3dsMax and MS office package and confined knowledge in Rivet.

- Fluent in English, Malayalam and Hindi.
- Pencil/Charcoal rendering, Oil/Water painting, Clay and Plaster of Paris sculpting, Glass painting.
- Won prizes in extempore, elocution and headed school debate team.
- Secured the highest credits & appreciation by external jurors for the thesis design project -Marine World, Anna University, Chennai.

Completed training at CANSULT MAUNSELL | AECOM, Sharjah under the guidance of Op. Mngr. Timothy Ross and Ar. Romi Sebastian from June 2008 - Dec 2008.

Actively participated in the design and development of detailed drawings and preparation of schedules and specifications for:

- Sharjah Aquarium and Al Khan External Works
- Sharjah Maritime Museum
- Sharjah Wedding Hall
- Al Waab City, Doha

AWARDS

- Second place for caricature competition at Zonal National Association of Students of Architecture.
- Second rank during the academic year 2008 - 2010.
- Pidilite award for best design on optimum space utilization and architectural studies for the year 2009

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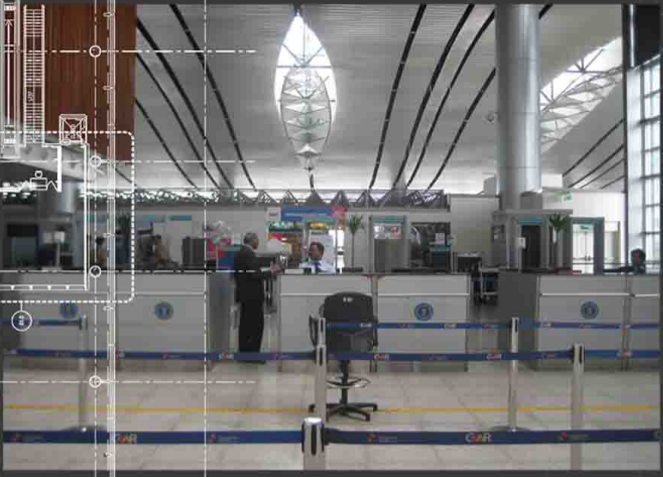
The task was to **refurbish** the current RGIA International Airport , Hyderabad and evolve it into a more **passenger friendly zone**.

This includes removing and relocating boarding gates as per the new design.

Re-designing information counter , promos and food courts and seating area with the existing exterior facade of the airport

To complete the above said tasks, cordoning off the airport completely was not an option as it is an operational airport, hence the work was divided into **3 phases**.

- Phase 1: Toilets, prayer rooms, service/exit corridors, construction of walls for food courts / retail in phase 1,
- Phase 2: Construction of walls and other services for retail/ food courts in phase 2
- Phase 3: Construction of experience zone and front facade wall



Responsibilities & Tasks

- Deployed on site and involved in the preparation of GFC and detail drawing set
- Co-ordination with Design Studio with the completion of the assigned tasks.
- Selecting and co -ordinating with vendors over design related work and issues.
- Co -ordination with issues at site and providing solutions for problems at hand.
- Preparation of presentation slides and other necessary tasks involved with the project.

The task was to **refurbish** the current IGIA Domestic Airport, Delhi otherwise known as T1D and evolve it into a more **passenger friendly zone**.

The departure is at G+1 level and arrival at G level.

- In the departure level, the tasks were mainly
- remove and relocate existing seating, kiosks, mobile charging areas, information desks, planter boxes, FIDS as per the new design
- Redesign retail and food court areas.
- Addition /Remove and relocate glass barricading and ACP.
- Relocating existing check in counters as per new design.
- Addition of security check in zones for passenger/ airline staff

Responsibilities & Tasks

- ▶ Deployed on site and involved in the preparation of GFC and detail drawing set
- ▶ Co-ordination with Design Studio with the completion of the assigned tasks.
- ▶ Co-ordination with issues at site and providing solutions for immediate problems at hand.
- ▶ Interaction with client and site engineers
- ▶ Active participation in the completion of schedules and specification

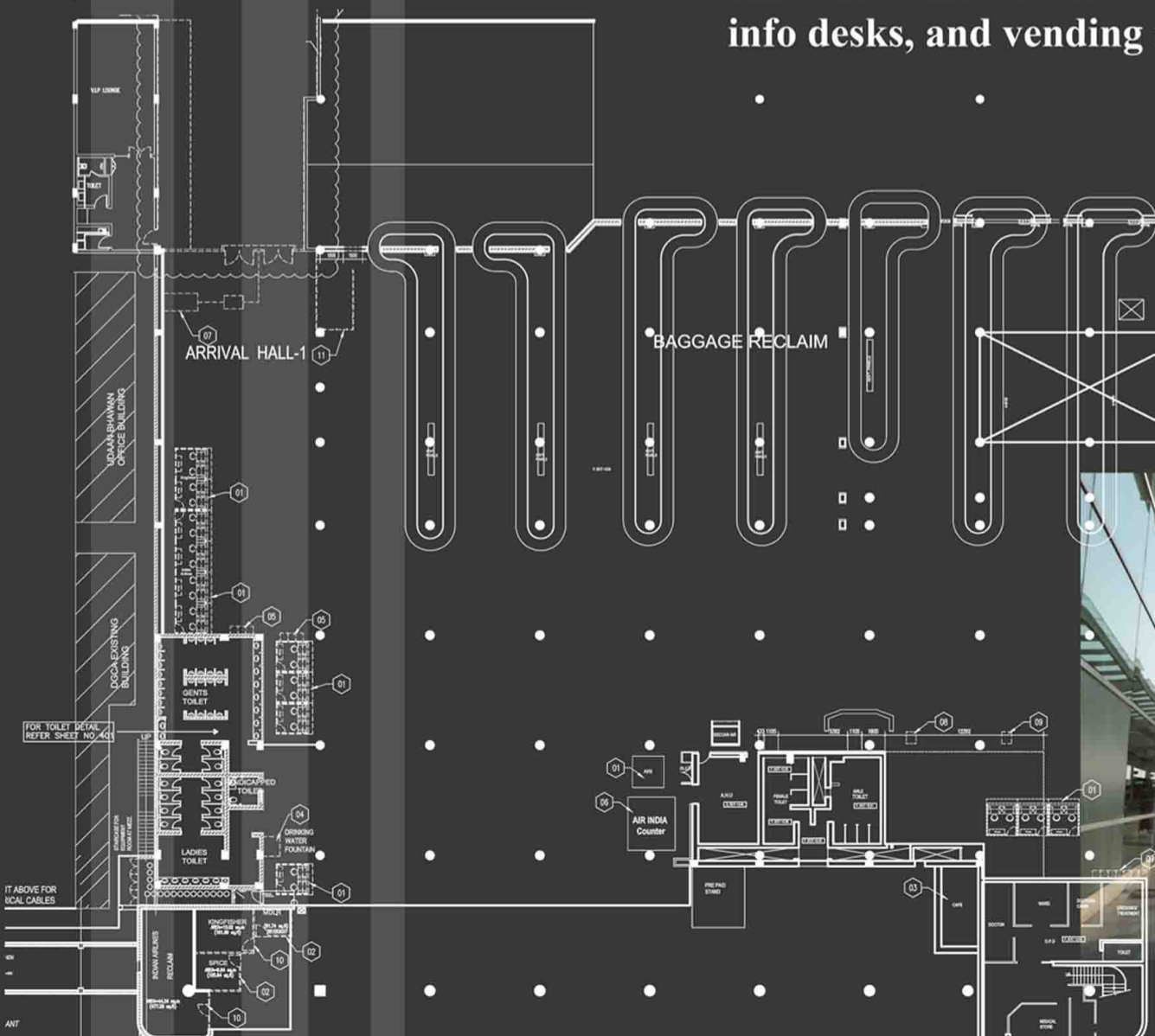


In the arrivals level, the baggage claim area will be divided into two zones :
-domestic flights & international budget flights

Provision was also made for the construction of reserve lounge quarters.

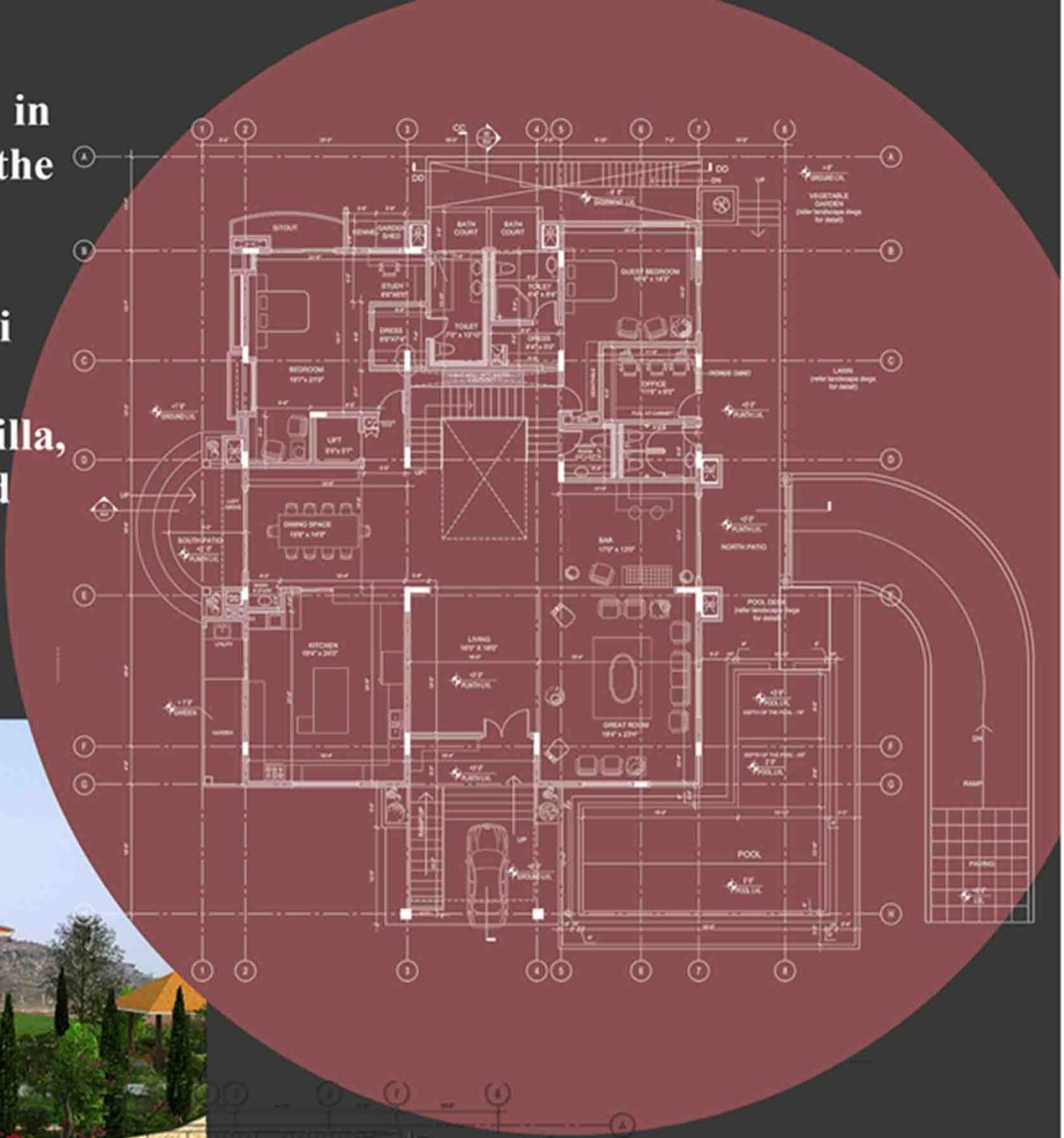
Also the removal/ relocation of taxi/ ticketing counters, info desks, and vending machines as per new design.

Provision was also made for the extension of baggage handling area, staff entry and handicapped access.



The upcoming project is situated in Bangalore, with the backdrop of the mist covered Nandi Hills.

The client, Mr Ashok Hattangadi wanted to incorporate **Spanish features and elements** into the villa, at the same time bringing to mind the functionality, workability and ease to maintain it after completion.



Responsibilities & Tasks

Some of the elements used in this project to recreate the **spanish hacienda** are:

- Patis with exposed columns
- Wrought iron railings
- Marble flooring
- Low pitched tiled roofs
- An extensive garden with a mediterranean styled Gazebo

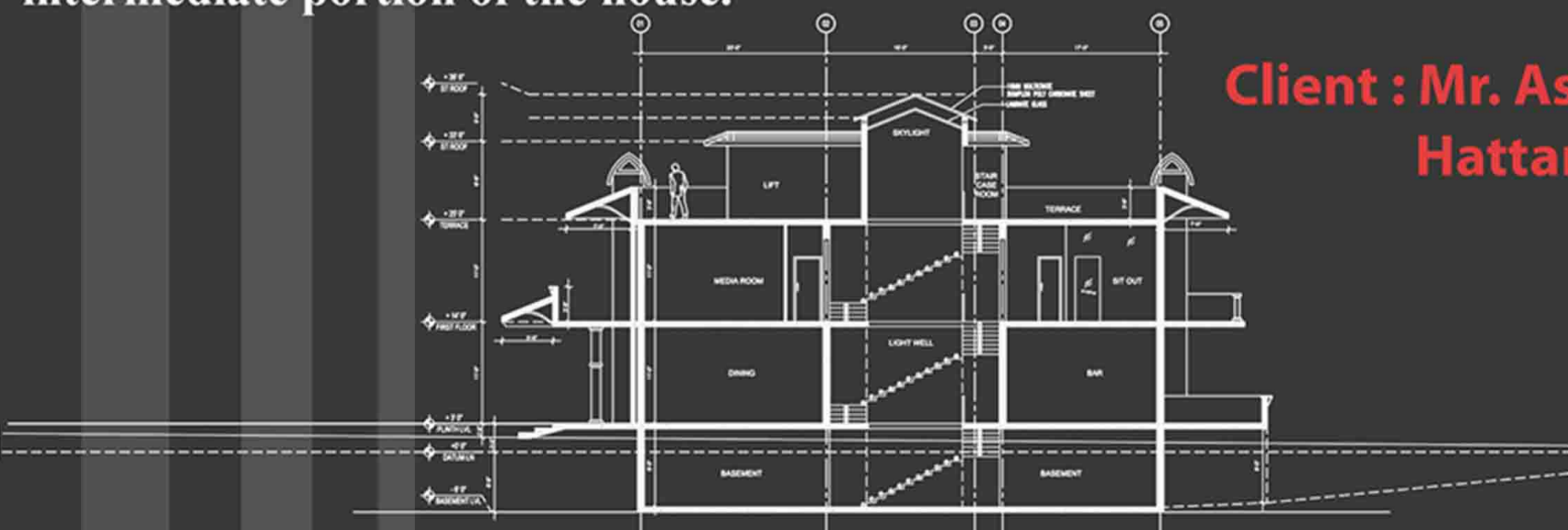
This villa is G+1 structure with a basement for parking facility and servant's quarters.

In addition to its luxurious rooms, it also has an outdoor swimming pool, a fully equipped gymnasium and media room and a spa treatment facility. It houses a **skylight** which lights the intermediate portion of the house.

- Active participation in working on developing the design from a conceptual stage to working drawing stage.
- Also involved in working on presentation and renders .
- Shortlisting and communicating with vendors for the specific project.
- Co ordinating with the concerned structural and mechanical staff.

The challenging part of this project was working on the **level differnces** to create an interesting profile.

Client : Mr. Ashok Hattangady



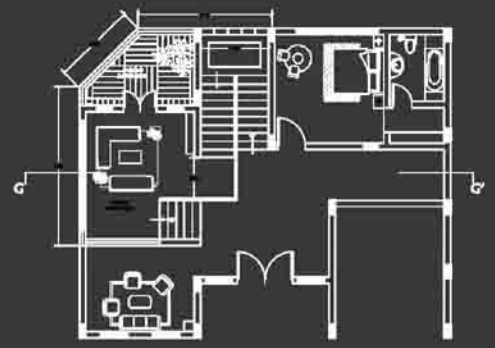
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The concept was to develop a functional and aesthetic housing layout accessible to all sections of the society.

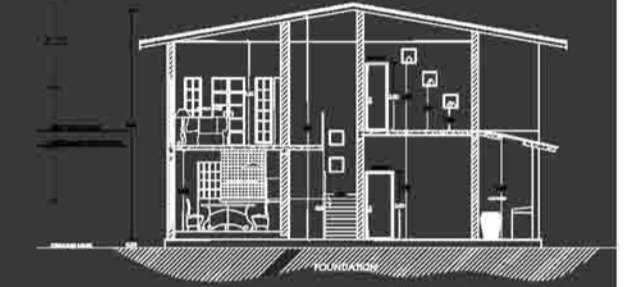
Hence the project has three section catering to the

- lower income ,
- the middle income and
- the higher income group .

It develops from the conceptual term "city within a city" having its own commercial, educational and recreational space.

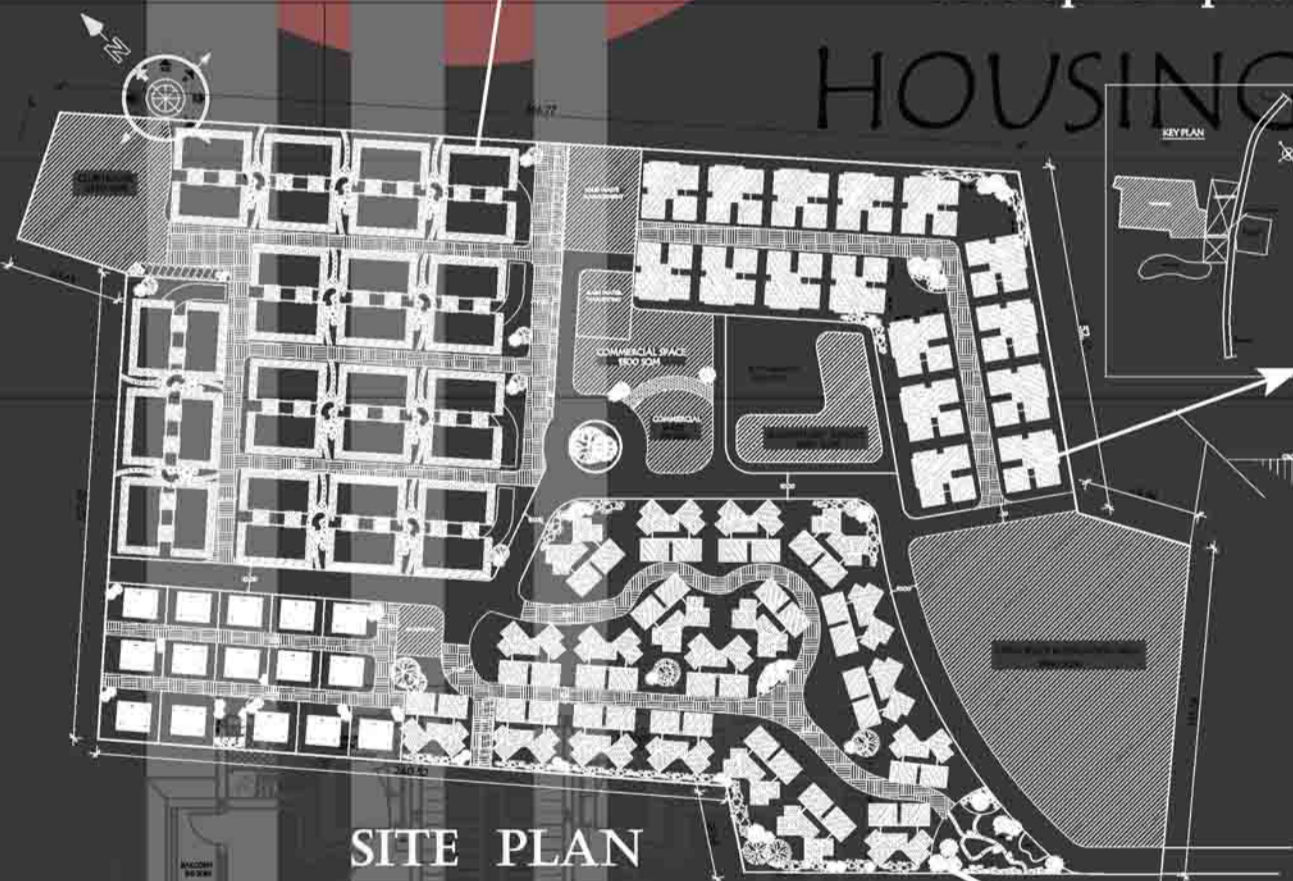


FRONT ELEVATION
VILLA



SECTION (HIG BLOCK)

Also considerable importance is given to make the place eco- friendly. Eco friendly is not just a term given when using sustainable materials. It is actually the functionality of the project once it is completed. Hence this particular project utilizes **rain water harvesting, solid waste management** and other sustainable development practices.



SITE PLAN

HOUSING



SECTION (LIG BLOCK)

The site for this particular project is off the Bangalore- Chennai highway and overlooks a racecourse track.

This particular project has been allotted 10,000 sqm with 10% of the total area reserved for open space.

The area requirements for each typical block is as follows:

- LIG : 45 sqm**
- MIG : 70 sqm**
- HIG : 90 sqm**
- Villa : 130 sqm**



ELEVATION (MIG BLOCK)

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CONCEPT

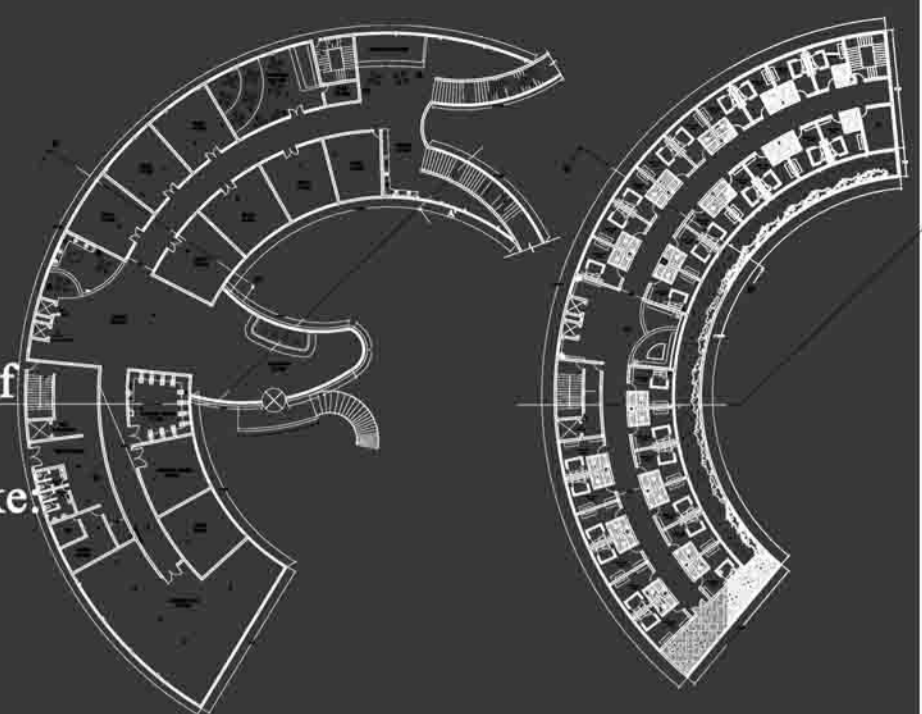
PROJECT: ECOTEEL BEACH RESORT

The design revolves around the 3 "R" 's of sustainable development:

- REDUCE
- RECYCLE
- REUSE

Since the site is located on the East Coast Road ,Chennai overlooking the sea , the form of the design is developed from a marine form.

The project utilizes all ecofriendly materials like
 hermetically sealed double glazed windows
 recycled propylene carpets
 mini bars using vapotherm technology
 natural bamboo flooring
 cistern using infra red tecnology
 eco board for paneling and recycled wood



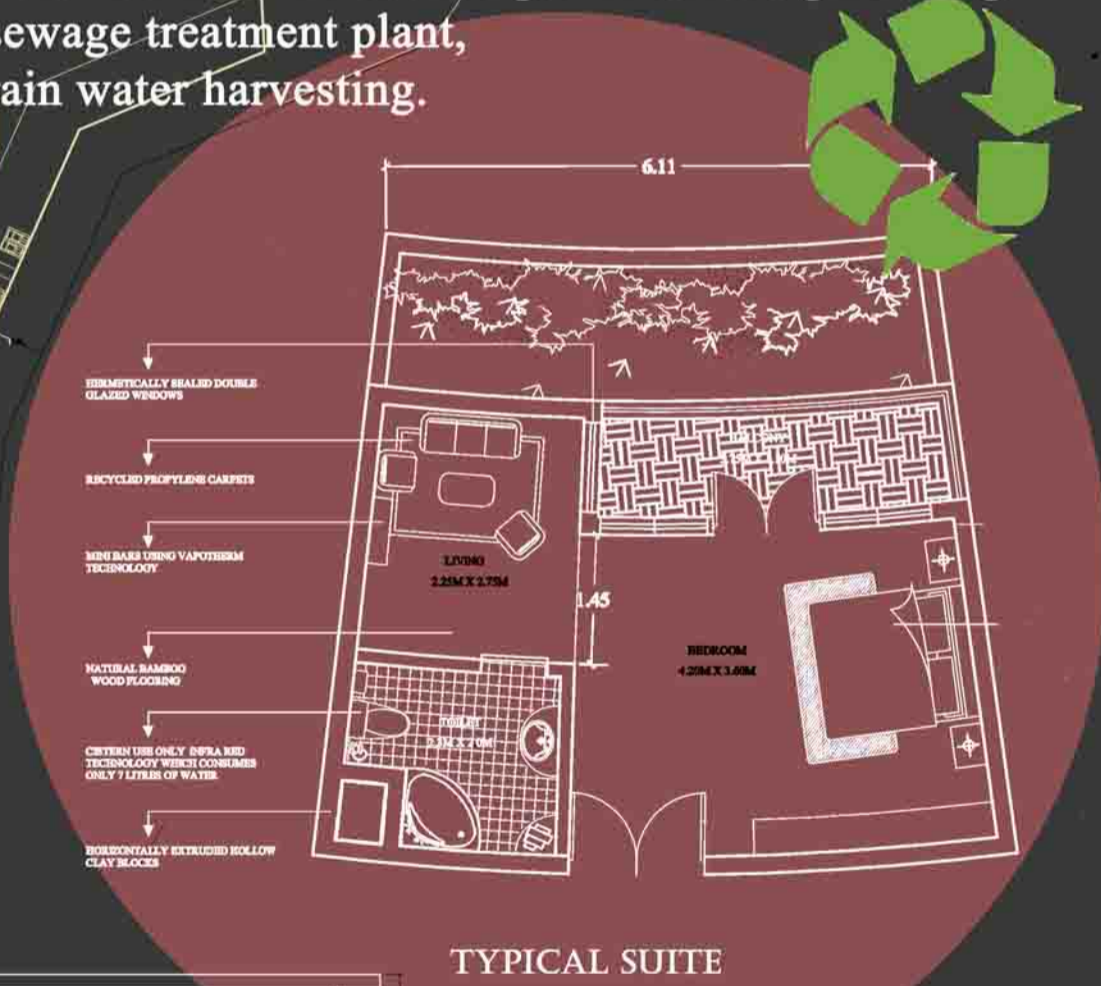
For the functioning of the eco concept , materials used will not alone bring out the actual meaning of the term eco friendly.

To support that

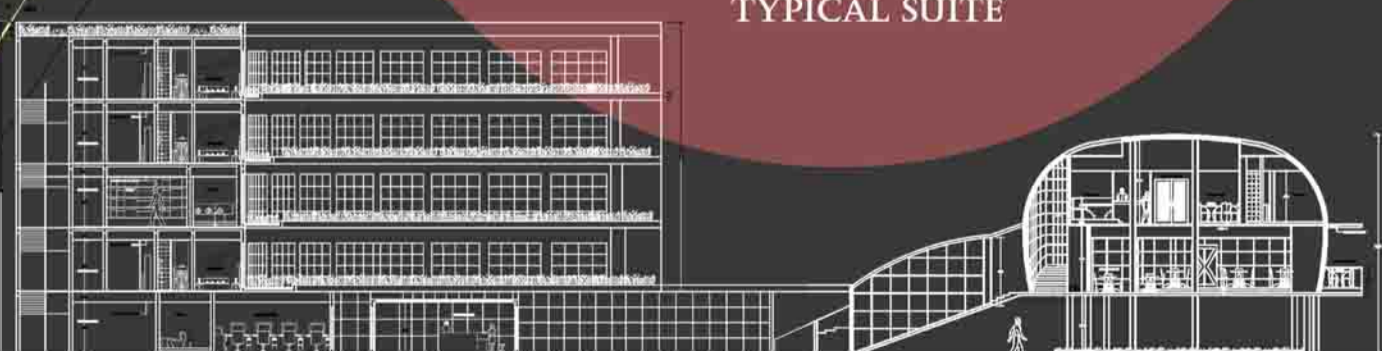
- orinetation of doors and windows to ensure optimum entry of sunlight into the spaces so as to ensure minimum usage of air conditioning and lighting,
- required open spaces with shading and water features to control humidity, and also utilized the advantages of terrace gardening
- sewage treatment plant,
- rain water harvesting.



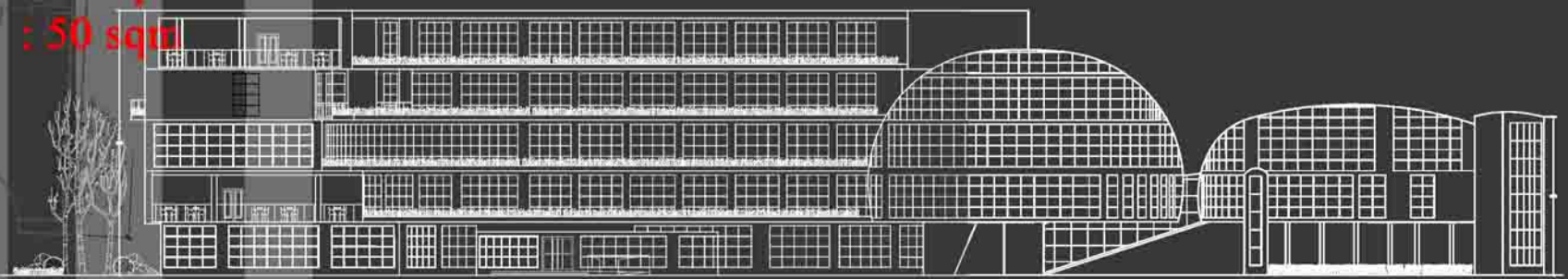
SECTION



- Area requirements :
- site area : 32645 sqm
 - guestroom : 25 sqm
 - deluxe room : 30 sqm
 - suite rom : 50 sqm



SECTION



ELEVATION

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The site is located off the coast of Kerala on an island called Puthuvypen, Cochin. It is connected to the mainland by three bridges called Gosree Palam.

The function and form of the building revolves around the marine world, so the basic idea was to integrate the first element that connect man to the marine world, ie a HARBOR.

The second idea was to show how a harbour functions.

The third idea was to integrate the built form and the landscaping so to maintain an element of surprise so as to keep the visitor interested.



DECK WHICH ALLOWS VISITOR ON AND OFF POINT AS AP ART OF THE CONTINUING JOURNEY

RESTAURANT (OUTDOOR SEATING) WITH RAINFORESTS AS THEME

INLET OF WATER SEPARATING THE BUILDING AND ENCLOSING A MOCK HARBOUR

HARBOUR DECK WHICH ALLOWS VISITORS TO BE DROPPED OFF AND PICKED UP AS A PART OF VISITORS EXPERIENCE

**A : OCEANARIUM
B : MARITIME MUSEUM
C : DOLPHINARIUM
D : CROCODILE ZONE**

DOUBLE LEAF BASCULE BRIDGE WHICH OPENS UP TO ALLOW BOATS TO PASS THROUGH

PICNIC ZONE WITH CHILDRENS PLAY AREA

COMMON SPACE FROM WHERE THE JOURNEY INTO THE SITE BEGINS

RESTAURANT USING LOCAL THEMES

OAT FOR SHOWS AND ACTIVITIES

20m WIDE MAIN ROAD

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CONCEPT



The **CONCEPT** was developed from a marine form: a seashell. The whole idea was to incorporate elements of surprise within the built form hence the various level differences which all together makes it an exciting journey for the visitor.

The **FORM** is divided into the following zones:

- Mangroves
- Rainforest zone
- Touch pool
- Rocky shores
- Living ocean zone
- Open zone
- Penguin zone
- Main tanks (71500 cum)

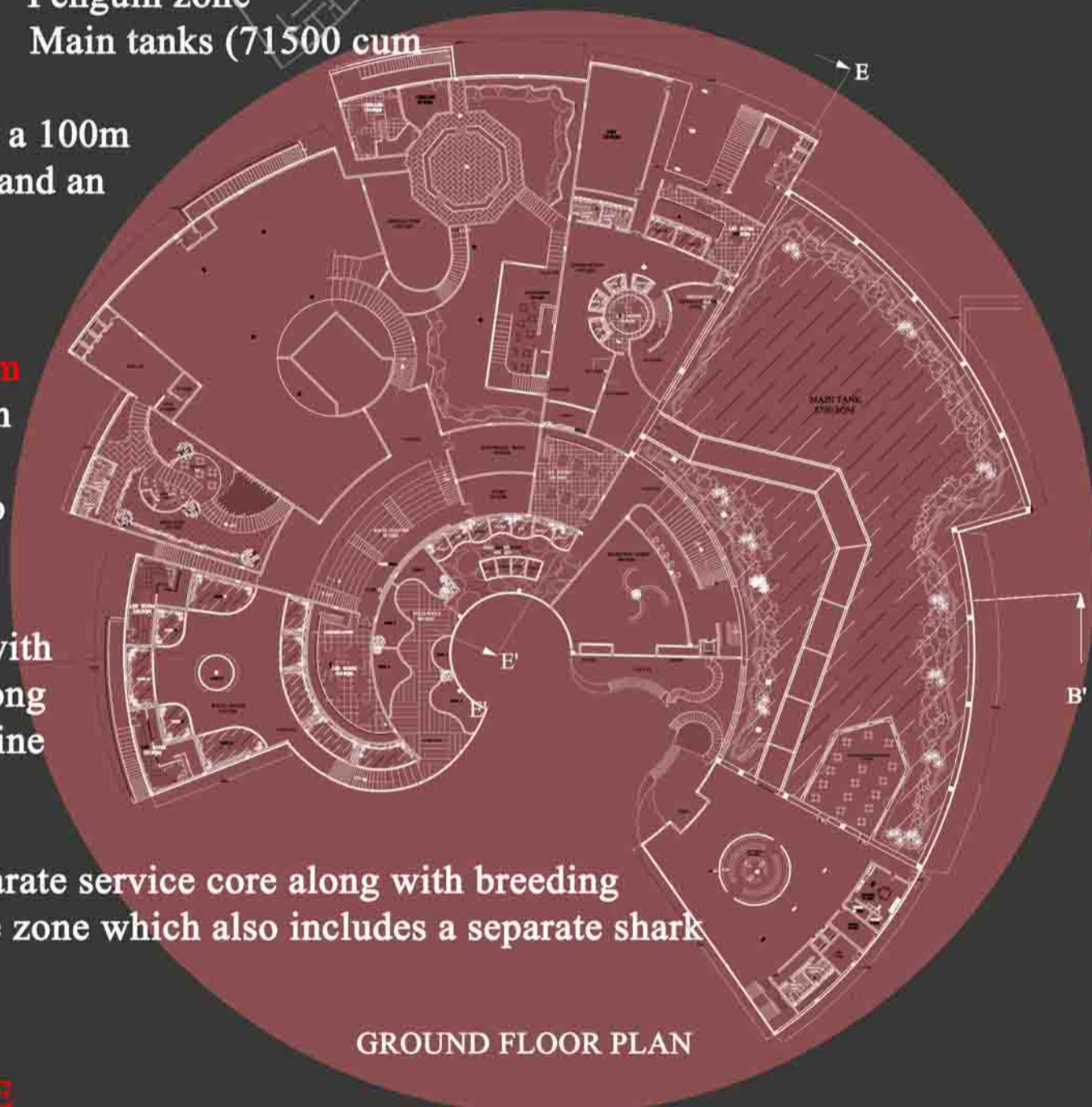
In addition to this it has a 100m long underwater tunnel and an underwater restaurant.

This facility utilizes a **closed circulation system** where water is used then filtrated, purified and recirculated back into the tanks.

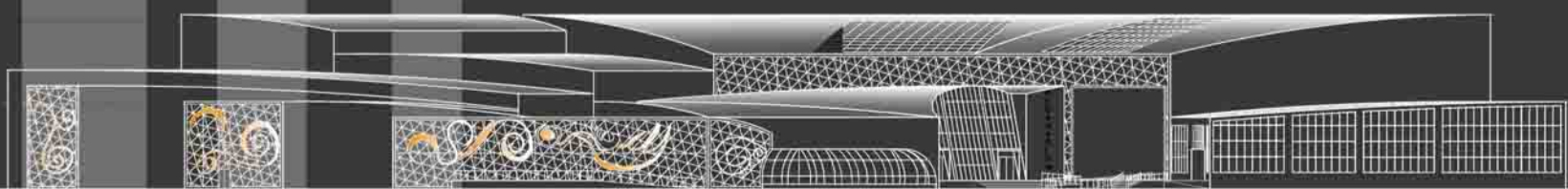
Each zone is provided with Life Support System along with immediate quarantine facilities.

This facility has its separate service core along with breeding facilities and quarantine zone which also includes a separate shark quarantine zone.

- Live case study:**
- Sharjah Aquarium, UAE
- Dubai Aquarium, UAE
- The Lost Chambers, Atlantis, UAE



GROUND FLOOR PLAN



ELEVATION



SECTION

PROJECT: MARINE WORLD, COCHIN

MARITIME MUSEUM

The **CONCEPT** of the maritime museum was developed on the basis of the following facts:

- ▶ Visitors experience on viewing it from its outer surroundings
- ▶ How a harbour functions
- ▶ Interactive experience with the maritime world



FORM AND FUNCTION

The **EXTERNAL PROFILE** of the museum has a regular form which evolves from the maritime world with the roof profile resembling that of the sails of a boat.

This building **HOUSES BOATS** of different types and educates the common public about the maritime world.

The building is split into two parts allowing the lagoon to flow through them. This channel acts as a passageway for the boats carrying the visitors giving them a unique experience as well as explaining the **WORKING OF A HARBOUR**.

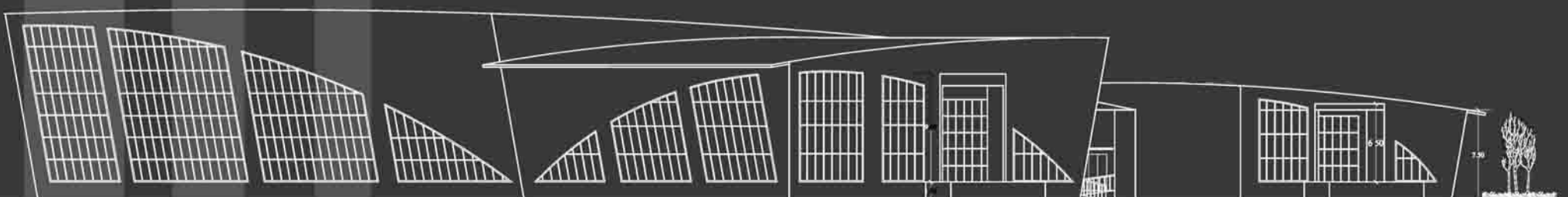
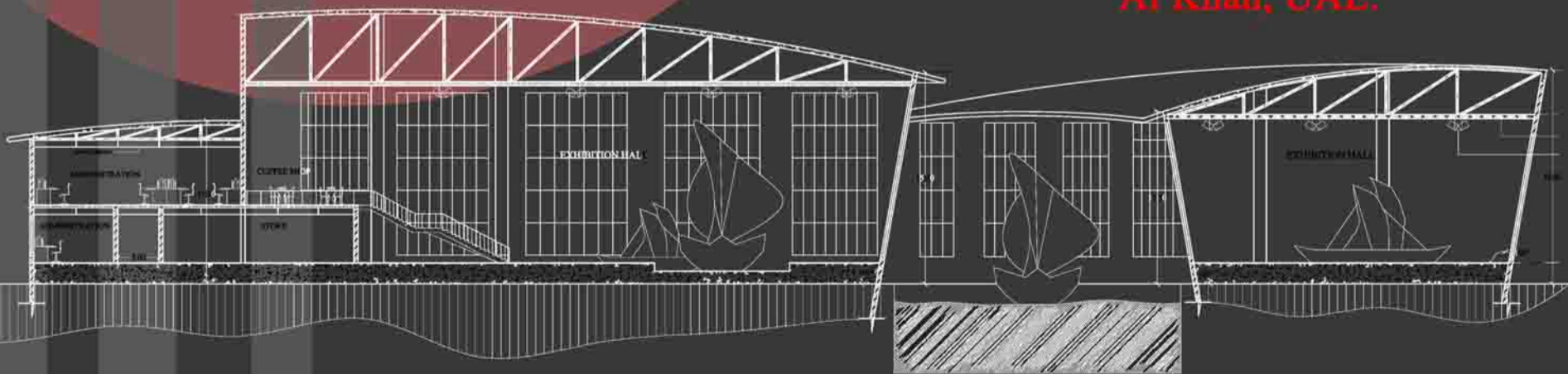
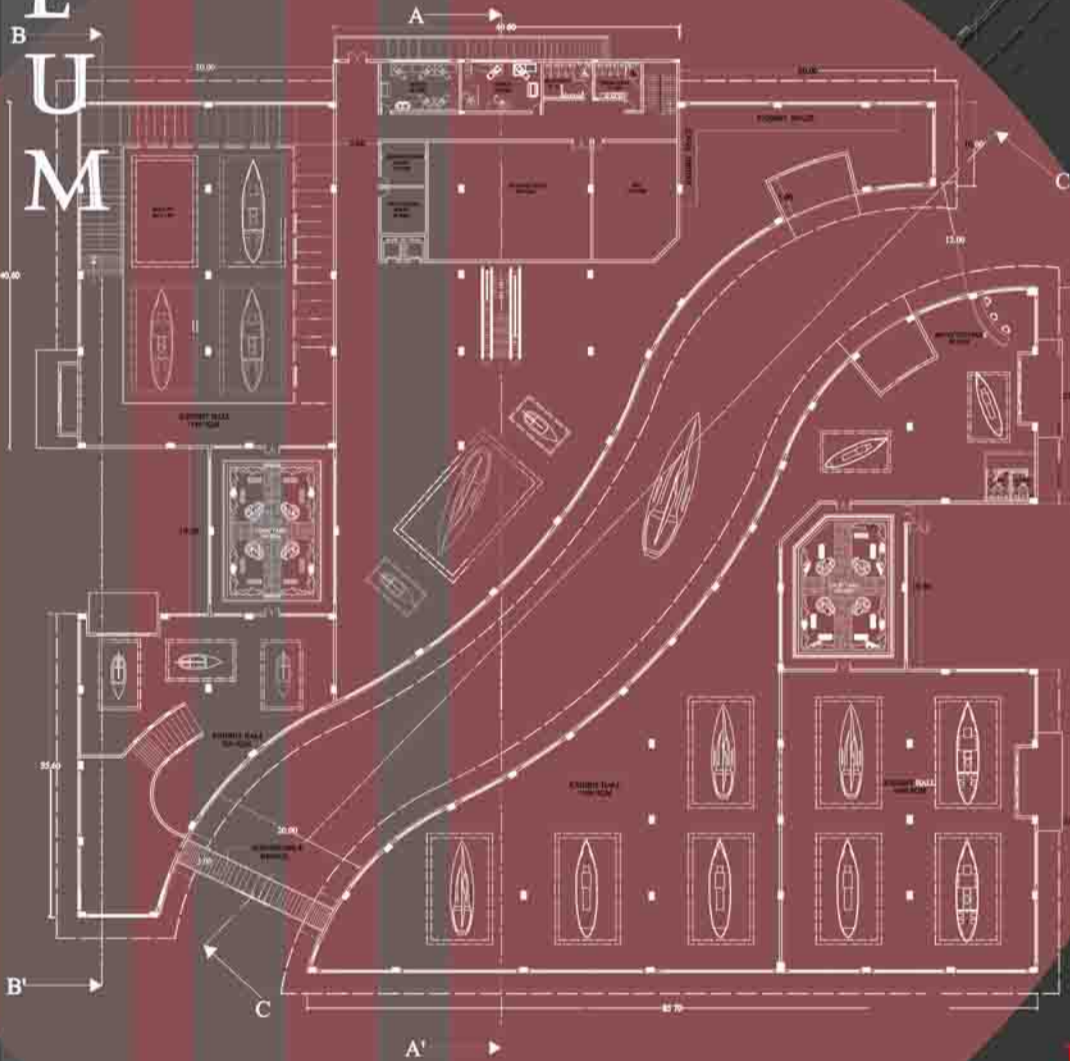
The entry and exit into the building is via ferry which drops off and picks up and drops the visitors.

PLANNING

It is divided into 5 halls of varying heights.

Each part has a courtyard which provided ample light into the inner halls.

Live case study : Sharjah Maritime Museum, Al Khan, UAE.



PROJECT : MARINE WORLD, COCHIN

