

# GATED COMMUNITY

## INTRODUCTION

Design proposal for a gated community located at Nalambur, a 16-acre site that offers a unique opportunity to create a modern, sustainable, and community-oriented residential environment. The project aims to integrate apartments and villas with a complete set of amenities to cater to the diverse needs of future residents.

## CONCEPT OF GATED COMMUNITY

### SUSTAINABLE LUXURY LIVING:

A compelling concept for a gated community could center around "Sustainable Luxury Living." This concept focuses on combining high-end amenities with eco-friendly practices. Key features could include:

### Eco-Friendly Infrastructure:

Solar panels, green roofs, and energy-efficient buildings.

### Smart Technology:

Integrated smart home systems for energy management and security.

### Community Amenities:

Includes a park with native landscaping, electric vehicle charging stations, and communal gardens.

### Health and Wellness:

On-site fitness centers, wellness centers, and walking/biking trails.

### Security and Privacy:

Advanced security systems and a well-trained staff ensure safety while maintaining privacy.

### Community Engagement:

Regular events and workshops focusing on sustainability and community building.

This blend of luxury and environmental consciousness can attract those looking for a high-quality lifestyle while being mindful of their ecological footprint.



### LEGEND:

1. ENTRY / EXIT
2. PARKING
3. VILLAS
4. MID BLOCKS
5. MIG BLOCKS
6. LIG BLOCKS
7. SWIMMING POOL
8. AMPHITHEATER

### 9. CLUB HOUSE

- ADMIN
- SUPER MARKET
- RESTAURENT
- HEALTHCARE UNIT
- GYM
- SPA
- BASKETBALL COURT
- TENNIS COURT
- COMMUNITY HALL
- CAFETERIA
- INDOOR PLAY AREA



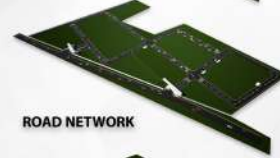
## SITE VIEW ANALYSIS



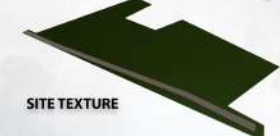
ARERIAL VIEW



GREEN AREA

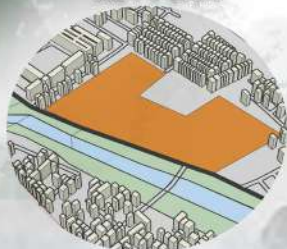


ROAD NETWORK



SITE TEXTURE

## KEY PLAN



### LOCATION :

ADYALAMPATTU, MADURAVOYAL  
 BACKSIDE OF DR.MGR EDUCATIONAL  
 AND RESEARCH INSTITUTE  
 SITE NEIGHBOURHOOD  
 INSTITUTIONS-DR.MGR EDUCATIONAL  
 AND RESEARCH INSTITUTE,  
 VELAMMAL ACADEMY  
 ADYALAMPATTU, MADURAVOYAL  
 (BACKSIDE OF DR.MGR EDUCATIONAL  
 AND RESEARCH INSTITUTE)  
 RESIDENTIAL AREA WITH WATER BODY  
 (COOVUM RIVER)  
 MADURAVOYAL FLYOVER-  
 CHENNAI BYPASS ROAD IN 1KM

### AREA ABSTRACT

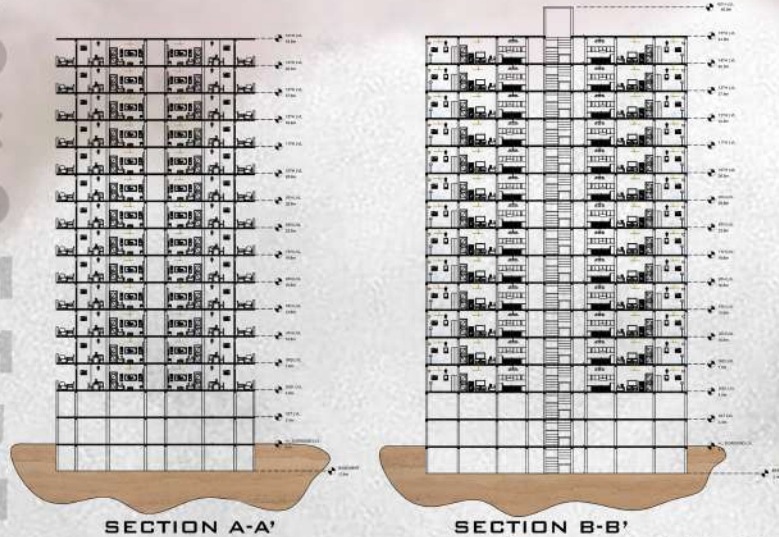
SITE ARE - 16 ACERS  
 - 64,749 SQM  
 FSI = 2.5 2.5X64,749 SQM  
 BUILT UP AREA = 1,61,872 SQM  
 PLOT COVERAGE = 60%  
 STILT AND BASEMENT PARKING :  
 2 STILTS & 1 BASEMENT = 44,888  
 APARTMENT ;  
 LIG FLOOR AREA = 460 SQM  
 460X13X6 = 35,880 SQM  
 MIG FLOOR AREA 516 SQM  
 516X13X6 = 40,248 SQM  
 HIG FLOOR AREA = 620 SQM  
 620X13X3 = 24,180 SQM  
 VILLA = 300 SQM  
 300X10X2 = 6000SQM  
 CLUB HOUSE = 10,290  
 TOTAL BUILT UP AREA =1,55,491SQM



# GATED COMMUNITY LIG TOWER

## DESIGN OVERVIEW OF LIG -

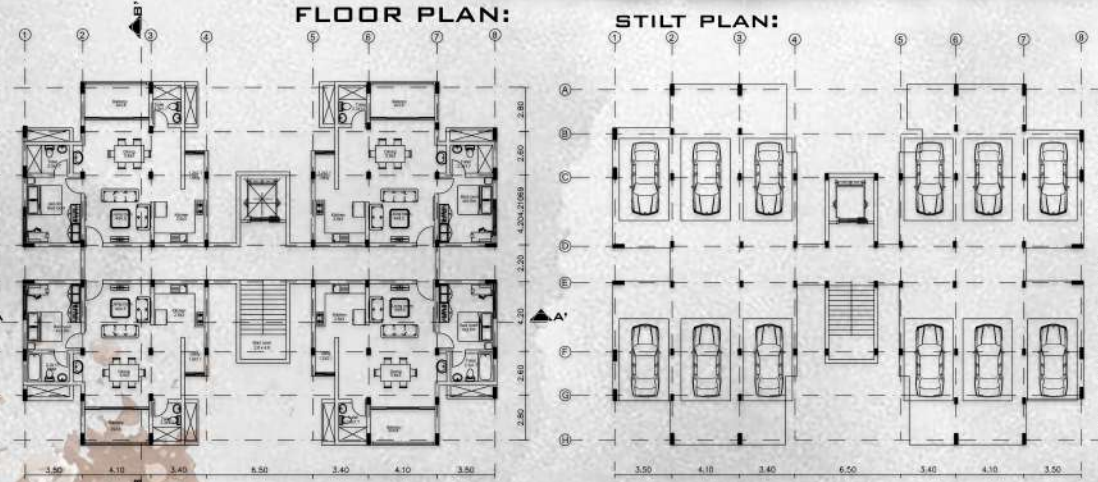
THE LOW INCOME GROUP HOUSING REFERS TO RESIDENTIAL PROJECTS THAT ARE DESIGNED CATER TO THE NEEDS OF LESS INCOME FAMILIES. IN GATED COMMUNITY LIG HOUSING TYPICALLY CONSISTS OF LARGE APARTMENTS WITH LESS AMENITIES COMPARED TO OTHER TOWERS. HOWEVER CHALLENGES CAN ARRISE SUCH AS SOCIAL SEGREGATION, LIMITED INTEGRATION, OR UNEQUAL ACCESS TO AMINITIES, CREATING DIVIDE WITH IN THE COMMUNITY



SECTION A-A'

SECTION B-B'

KEY PLAN



FLOOR PLAN:

STILT PLAN:

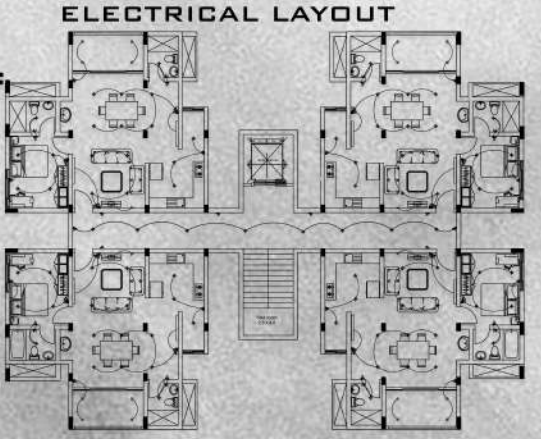


INTERIOR VIEWS



### STRUCTURE CONFIGURATION :

EACH LIG BLOCK HAS BASEMENT PARKING AND G+1 STILT PARKING A BLOCK IS TYPICALLY OF 13-STORIES AND EACH FLOOR CONTAINS 4 RESIDENTIAL UNITS EACH OF THE BLOCK ACCOMMODATE 52 RESIDENTIAL UNITS TOTAL OF 6 BLOCKS ACCOMMODATING 312 RESIDENTIAL UNITS EACH UNIT WAS DESIGNED



ELECTRICAL LAYOUT

ELECTRICAL LEGEND	
	CEILING LIGHT
	TWO WAY SWITCH
	1P SWITCH
	2P SWITCH
	FAN REGULATOR
	1A SOCKET
	6/15A SOCKET
	TV OUTLET
	BELL PUSH
	EXHAUST FAN
	CEILING FAN
	DISTRIBUTION BOARD
	FIRE ALARM DEVICE
	A/C SOCKET WITH SWITCH
	20A SOCKET
	15A SOCKET WITH ALARM
	15A SOCKET WITH SWITCH
	15A SOCKET WITH ALARM AND SWITCH
	15A SOCKET WITH ALARM AND SWITCH AND BELL PUSH
	15A SOCKET WITH ALARM AND SWITCH AND BELL PUSH AND EXHAUST FAN
	15A SOCKET WITH ALARM AND SWITCH AND BELL PUSH AND EXHAUST FAN AND CEILING FAN
	15A SOCKET WITH ALARM AND SWITCH AND BELL PUSH AND EXHAUST FAN AND CEILING FAN AND TV OUTLET
	15A SOCKET WITH ALARM AND SWITCH AND BELL PUSH AND EXHAUST FAN AND CEILING FAN AND TV OUTLET AND 1 NOS. USE PORT

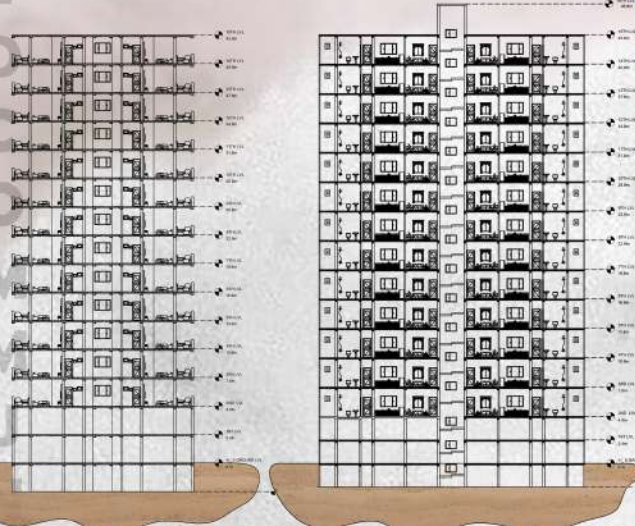
**KEY FEATURES**  
 CONTROLLED ACCESS  
 SHARED AMENITIES  
 AFFORDABLE  
 COMMUNITY LIVING



# GATED COMMUNITY MIG TOWER

## DESIGN OVERVIEW OF MIG -

THE MIDDLE INCOME GROUP HOUSING REFERS TO RESIDENTIAL PROJECTS THAT ARE DESIGNED CATER TO THE NEEDS OF MIDDLE INCOME FAMILIES. IN GATED COMMUNITY MIG HOUSING TYPICALLY CONSISTS OF LARGE APARTMENTS WITH GOOD AMENITIES



SECTION A-A'

SECTION B-B'

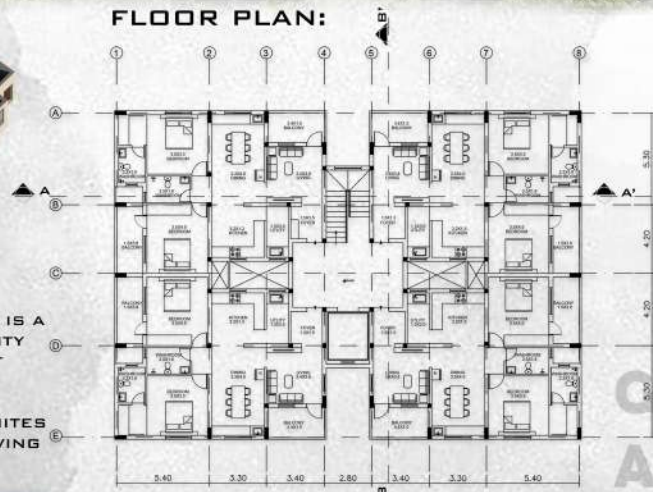


KEY PLAN

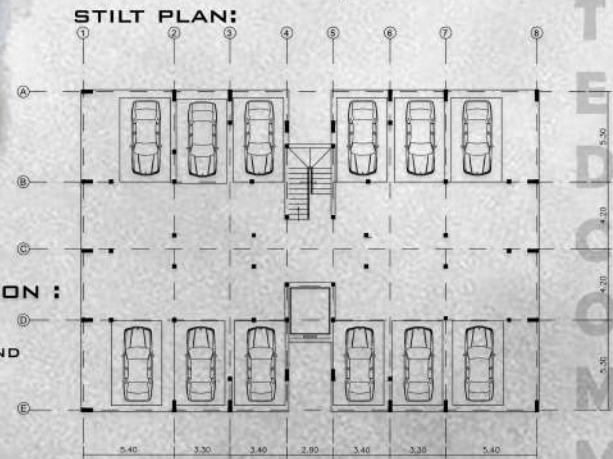
### KEY FEATURES

MIG HOUSING IN A GATED COMMUNITY IS A CONCEPT THAT HAS GAINED POPULARITY GLOBALLY AND IT OFFERS A RANGE OF BENEFITS INCLUDING AFFORDABILITY SECURITY, AND AMINITIES. CONTROLLED ACCESS, SHARED AMENITES AFFORDABLE LUXURY, COMMUNITY LIVING

### FLOOR PLAN:



### STILT PLAN:



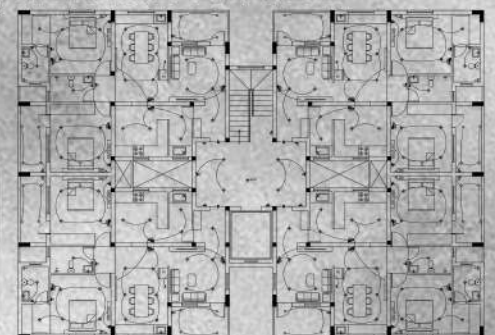
### STRUCTURE CONFIGURATION :

EACH MIG BLOCK HAS BASEMENT PARKING AND G+1 STILT PARKING A BLOCK IS TYPICALLY OF 13-STORIES AND EACH FLOOR CONTAINS 4 RESIDENTIAL UNITS EACH OF THE BLOCK ACCOMMODATES 52 RESIDENTIAL UNITS TOTAL OF 6 BLOCKS ACCOMMODATING 312 RESIDENTIAL UNITS EACH UNIT WAS DESIGNED SPACIOUSLY IT IS USUALLY OF 2BHK.

ELECTRICAL LEGEND	
	CEILING LIGHT
	2-WAY SWITCH
	1P SWITCH
	2P SWITCH
	FAN REGULATOR
	1A SOCKET
	1.5/1.5A SOCKET
	TV OUTLET
	BELL PUSH
	EXHAUST FAN

	CEILING FAN
	DISTRIBUTION BOARD
	BELLENDER SOCKET
	A/C SOCKET WITH SWITCH
	2-PIN A SOCKET WITH SWITCH
	1.5A SOCKET FOR CHIMNEY
	1.5/1.5A SOCKET WITH SWITCH FOR CHANDELIER
	EMERGENCY LIGHT - 1 UNIT
	2 NOS. USB PORT

### ELECTRICAL LAYOUT



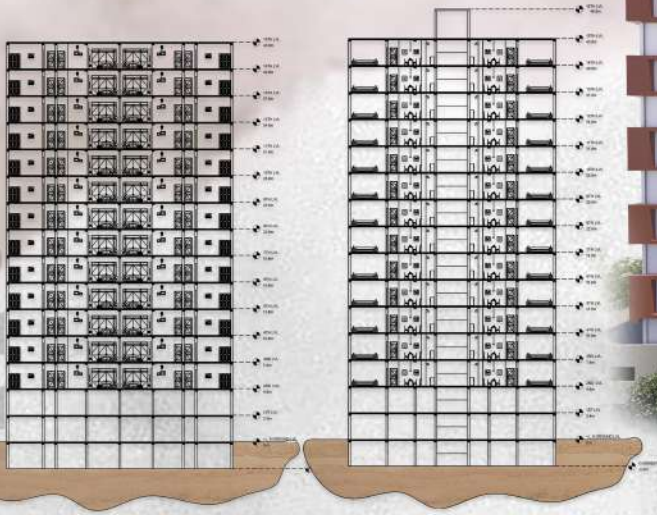
## INTERIOR VIEWS



# GATED COMMUNITY HIGH TOWER

## DESIGN OVERVIEW OF HIG -

THE HIGH INCOME GROUP HOUSING REFERS TO RESIDENTIAL PROJECTS THAT ARE DESIGNED CATER TO THE NEEDS OF HIGHER INCOME INDIVIDUALS OR FAMILIES. IN GATED COMMUNITY HIG HOUSING TYPICALLY CONSISTS OF LARGE APARTMENTS WITH BETTER AMENITIES



SECTION A-A'

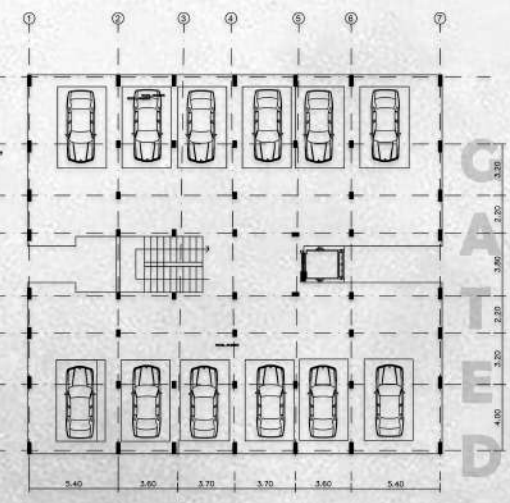
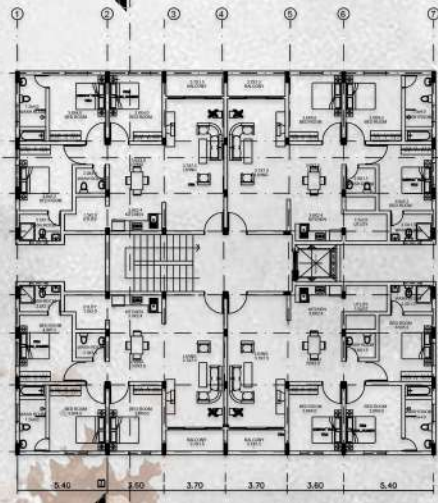
SECTION B-B'

FLOOR PLAN:

STILT PLAN:



KEY PLAN



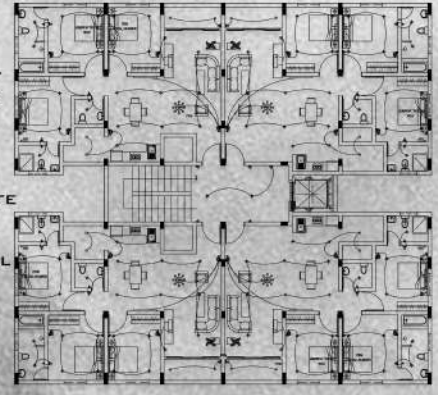
INTERIOR VIEWS



**STRUCTURE CONFIGURATION :**  
 EACH HIG BLOCK HAS BASEMENT PARKING AND G+1 STILT PARKING A BLOCK IS TYPICALLY OF 13 STORIES AND EACH FLOOR CONTAINS 4 RESIDENTIAL UNITS

EACH OF THE BLOCK ACCOMMODATE 52 RESIDENTIAL UNITS  
 TOTAL OF 3 BLOCKS ACCOMMODATING 156 RESIDENTIAL UNITS  
 EACH UNIT WAS DESIGNED SPACIOUSLY AND LUXURIES ASPECTS WERE ALSO INCLUDED

### ELECTRICAL LAYOUT



ELECTRICAL LEGEND		ELECTRICAL LEGEND	
	CEILING LIGHT		COOLING FAN
	TWO WAY SWITCH		DISTRIBUTION BOARD
	SP SWITCH		SOCKET
	SP SWITCH		A/C SOCKET WITH SWITCH
	SP SWITCH		2000mA SOCKET WITH SWITCH
	FAN REGULATOR		15A SOCKET FOR CHIMNEY
	6A SOCKET		6/15A SOCKET WITH SWITCH FOR CHANDELIER
	6/15A SOCKET		WARDROBE LIGHT - ONLY
	TV OUTLET		BELL PUSH
	EXHAUST FAN		2500W PVC CONDUIT
			2 NOS USB PORT

# GATED COMMUNITY VILLA

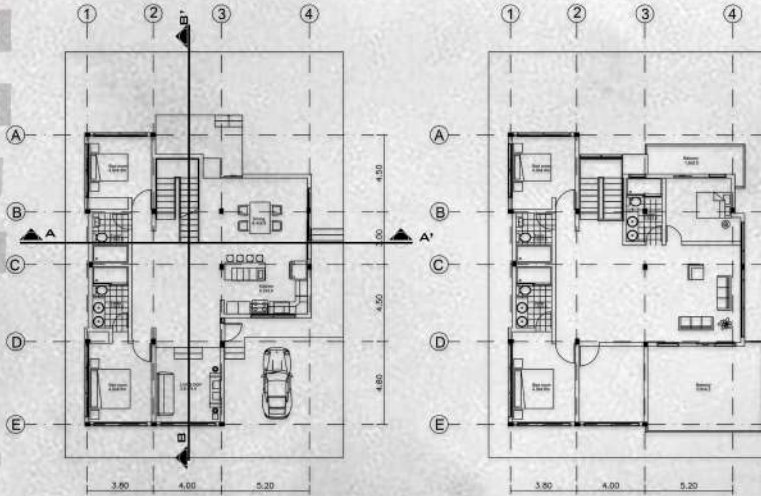
## DESIGN OVERVIEW OF VILLA -

A VILLA IN A GATED COMMUNITY IS A STANDALONE HOUSE THAT IS PART OF RESIDENTIAL DEVELOPMENT WITH CONTROLLED ACCESS. VILLA TYPICALLY OFFERS MORE SPACE AND PRIVACY COMPARED TO APARTMENT AND TOWN HOUSES. LIVING IN GATED COMMUNITY CAN ALSO PROVIDE A SENSE OF EXCLUSIVITY AN ENHANCED COMMUNITY LIVING.



FLOOR PLAN

KEY PLAN



### STRUCTURE CONFIGURATION :

THE VILLA ARE G+1 STRUCTURE , EACH DESIGNED AS A SPACIOUS 4BHK AND ARE TOTAL OF 10 VILLAS ARRANGED LINEARLY.

GATED COMMUNITY VILLA OFTEN FEATURES THOUGHTFULLY DESIGNED LAYOUTS THAT PRIORITIZ BOTH ASTHETIC AND FUNCTIONALITY.

THE LAYOUT TYPICALLY CONSISTS OF TWO PARALLEL ROWS OF VILLAS PROVIDING 5 VILLAS IN A ROW FACING OPPOSITELY.



SECTION A-A'

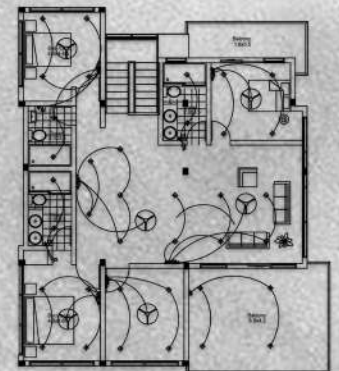


SECTION B-B'



INTERIOR VIEWS

### ELECTRICAL LAYOUT



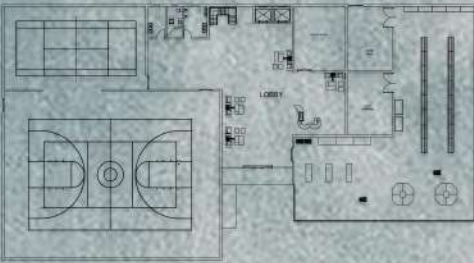
ELECTRICAL LEGEND	
	CEILING LIGHT
	1/2 WAY SWITCH
	SP SWITCH
	1WAY SWITCH
	FAN REGULATOR
	8A SOCKET
	6/8A SOCKET
	TV OUTLET
	BELL PUSH
	EXHAUST FAN

CEILING FAN	
	DISTRIBUTION BOARD
	SOCKET
	1/2 WAY SOCKET WITH SWITCH
	2PIN 8A SOCKET WITH SWITCH
	1PIN SOCKET FOR CHIMNEY
	8/16A SOCKET WITH SWITCH FOR CHOPPER
	WATERPROOF LIGHT - ONLY WIRE OUTLET
	25sqmm PVC CONDUIT
	2 NOS USB PORT

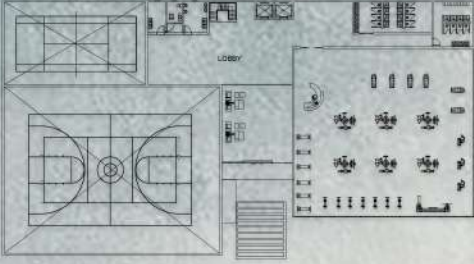


# CLUB HOUSE

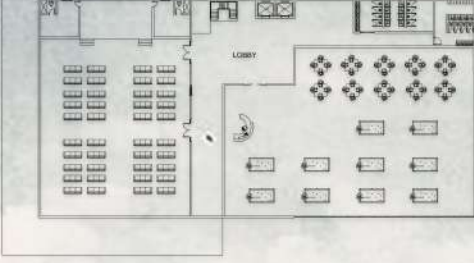
FLOOR PLAN: CLUB HOUSE(1)



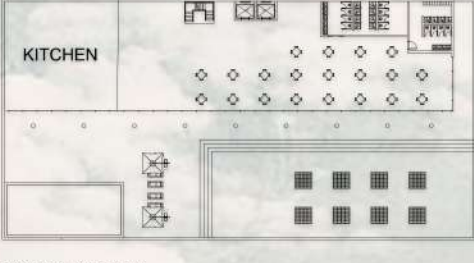
GROUND FLOOR



FIRST FLOOR



SECOND FLOOR



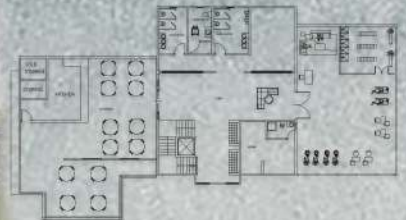
THIRD FLOOR

## DESIGN OVERVIEW OF CLUB HOUSE -

THE HIGH INCOME GROUP HOUSING REFERS TO RESIDENTIAL PROJECTS THAT ARE DESIGNED CATER TO THE NEEDS OF HIGHER INCOME INDIVIDUALS OR FAMILIES. IN GATED COMMUNITY HIGH HOUSING TYPICALLY CONSISTS OF LARGE APARTMENTS WITH BETTER AMENITIES



FLOOR PLAN: CLUB HOUSE(2)



FIRST FLOOR



GROUND FLOOR

### KEY PLAN



### STRUCTURE CONFIGURATION :

- ADMIN
- SUPER MARKET
- RESTAURENT
- HEALTHCARE UNIT
- GYM
- SPA
- BASKETBALL COURT
- TENNIS COURT
- COMMUNITY HALL
- CAFETERIA
- INDOOR PLAY AREA

