

THESIS REPORT  
ON  
**PENTHOUSE OMAXE THE RESORT  
IN GOMTI NAGAR  
EXTENSION,LUCKNOW**

A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENT FOR THE DEGREE OF:

**BACHELOR OF INTERIOR DESIGN**

BY

**(DEEPTI MAURYA)**  
**(ROLL NO.- (1190107007))**

UNDER THE GUIDANCE OF  
**(AR.SAURABH SAXENA )**

SESSION  
2022-2023



**TO THE  
SCHOOL OF ARCHITECTURE AND PLANNING  
BABU BANARASI DAS UNIVERSITY  
LUCKNOW.**

# CERTIFICATE

I hereby recommend that the thesis entitled “**PENTHOUSE OMAXE THE RESORT IN GOMTI NAGAR EXTENSION,LUCKNOW.**”

under the supervision, is the bonafide work of the students and can be accepted as partial fulfillment of the requirement for the degree of Bachelor’s degree in interior design, school of Architecture and Planning, BBDU, Lucknow.

.....

Ar. Saurabh Saxena  
(Thesis Guide)

.....

Prof. Mohit Kumar Agarwal  
(Dean of department)

Recommendation:-

- Accepted
- Not Accepted

.....

External Examiner

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External Examiner

.....

External Examiner

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External Examiner

# ACKNOWLEDGEMENT

First and foremost, praises and gratitude to God, for his blessings throughout my research work to strengthen me to complete the research successfully.

am overwhelmed in all humbleness and gratefulness to acknowledge my depth to all those who have helped me to put my ideas into something above the level of simplicity and into something concrete. I want to thank **School of Architecture & Planning**, for allowing me to go forward with this topic, thereby providing me with all necessary documents and books.

In completing this thesis report on project titled “Designing Futuristic Premises : Interior Transformation to add hybrid workspace quotient to office”, I had to take the help and guidance of a few respected people, who deserve my greatest gratitude

I would acknowledge my guide, **AR. SAURABH SAXENA**, for her constant motivation and for helping me decipher problems and possible solutions for my commission. His guidance, indulgence, dynamism, optimism, vision, sincerity and encouragement have deeply inspired and helped me in completing my thesis in a productive manner.

I would like to show my gratitude to **AR. SHAILESH KUMAR** and **AR. VERSHA VERMA** as my thesis coordinators, for keeping me well-informed about the methodology to carry out the study and to present the thesis works as clearly as possible. I would also extend my gratitude to all jurors for their invaluable suggestions and advice to achieve a better approach and proceed in the right direction

Any attempt at any level can't be satisfactorily completed without the support and guidance of my **Parents, Senior Vishal Kumar and Brother Alok Kumar**. With that I am extremely grateful for their love, prayers, care and sacrifice and also for educating and preparing me for my future..

Here, I thank all people for their direct and indirect help in completing project report.

THANK YOU

DEEPTI MAURYA

Roll No. 1190107007

BBD UNIVERSITY LUCKNOW

**BABU BANARASI DAS UNIVERSITY, LUCKNOW U.P**  
**certificate of thesis submission for evaluation**

1. Name : DEEPTI MAURYA
2. Roll No. : 1190107007
3. Thesis title: **PENTHOUSE OMAXE THE RESORT IN GOMTI NAGAR  
EXTENSION,LUCKNOW**
4. Degree for which the thesis is submitted: BACHELOR OF INTERIOR DESIGN
5. Faculty of the University to which the thesis is submitted YES / NO
6. Thesis Preparation Guide was referred to for preparing the thesis. YES / NO
7. Specifications regarding thesis format have been closely followed. YES / NO
8. The contents of the thesis have been organized based on the guidelines. YES / NO
9. The thesis has been prepared without resorting to plagiarism. YES / NO
10. All sources used have been cited appropriately. YES / NO
11. The thesis has not been submitted elsewhere for a degree. YES / NO
12. Submitted 4 spiral bound copies plus one CD. YES / NO

.....

Signature of supervisor

AR. SAURABH SAXENA  
BBDU,

.....

(Signature of the Candidate)

Name: Deepti Maurya  
Roll No.: 1190107007



## **DECLARATION**

I hereby declare that the work done in this thesis project is my own work and I have collected the data from various sources, which I have duly acknowledged in my report.

Date:

Place: Lucknow

Year: 2022-2023

Deepti Maurya

Roll No. 1190107007

Bachelor Of Interior Design

BBD University Lucknow

# **BABU BANARASI DAS UNIVERSITY**

**B.I.D Thesis 2022-2023**

**(Certificate)**

NAME OF STUDENT : DEEPTI MAURYA

Roll No: 1190107007

BRANCH: BACHELOR OF INTERIOR DESIGN

DEPARTMENT: SCHOOL OF ARCHITECTURE AND PLANNING

THESIS TITLE: PENTHOUSE

THESIS GUIDE: AR. SAURABH SAXENA

REMARK: SATISFACTORY / NOT SATISFACTORY (IN CASE OF NOT SATISFACTORY  
GIVE COMMENTS)

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(Sign Of Thesis Guide)

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(Sign of External Examiner)

\_\_\_\_\_

(Sign Of Thesis Co-Ordinator)

\_\_\_\_\_

(Sign of External Examiner)

\_\_\_\_\_

(Sign Of H.O.D)

\_\_\_\_\_

(Sign of Dean Of Department)

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## ABSTRACT

- A penthouse offers maximum comfort, privacy and an ambience that defines class.
- Penthouse are often built on the higher levels of buildings and offer spectacular views of the surroundings. Unlike traditional apartments, these homes do not suffer from a lack of space, having both a terrace and balcony.
- Their interiors are comfortable yet elaborate, design ideas versatile and always adhere to a contemporary brief. Interiors and decor of penthouses must look attractive in keeping with the ambience of the space.
- The furniture in your penthouse apartment must be carefully chosen to sync with the interiors, ambience and floor patterns.
- Unlike traditional apartments where colours can be chosen randomly, penthouse colours can be too loud or muted depending on what is chosen for which part of the living space.
- Neutral colours lend more sophistication and balance out any loudness in colours. Alternatively, you can even have neutral colours running through everything – floor, walls, furniture and upholstery.
- Staircases are not compulsory but in penthouses across two floors they add to the elegance and richness of the place. Beautiful winding staircases can either be placed inside or outside the home, and lend an aesthetic element more than functionality. Winding staircases are available in a multitude of designs, colours and finishes.
- With a large penthouse space comes large doors and windows to let the wind in. Frameless windows that are large and run from floor to ceiling, are great for penthouses.
- Light always plays a significant role in every home. For luxury homes, lighting takes the ambience to an altogether different level. In penthouse, lighting fixtures and elements are as important as the light itself. Avoid any lighting that does not complement the interior design. Pendant lights from the ceiling over the main area, long standing lamps, subtle LED lights incorporated into false ceilings are all complementary when planned and designed well.

# CHAPTER -01

## INTRODUCTION

# SYNOPSIS

## INTRODUCTION

- ❖ A penthouse is a type of real-estate that is usually located at the top of a building, be it 7-storey or 31-storey. This type of property gains popularity because of its sheer classiness, chicness, and luxury. They're a bit pricey among other properties or apartments available in the building, but they serve their owner well because of the top-notch quality of the infrastructure and facilities.
- ❖ Penthouse apartments are considered to be at the top of their markets, and are generally the most expensive, with expansive views, large living spaces, and top-of-the-line amenities.
- ❖ Accordingly, they are often associated with a luxury lifestyle. Publisher Bob Guccione named his magazine Penthouse, with the trademark phrase "Life on top".
- ❖ Such a structure may house the top of an elevator shaft, air-conditioning equipment, or the stairs leading to the roof; it can also provide living or working accommodations.
- ❖ Usually a penthouse is set back from the vertical face of a building, thus providing open spaces or terraces on one or more sides; but in recent practice architects and rental agents have referred to the top floor of any building, regardless of setbacks, as a penthouse.

## HISTORY AND BACKGROUND

- ❖ Penthouses first appeared in US cities in the 1920s with the exploitation of roof spaces for upscale property.
- ❖ The first recognized development was atop the Plaza Hotel overlooking Central Park in New York City in 1923.
- ❖ Its success caused a rapid development of similar luxury penthouse apartments in most major cities in the United States in the following years.
- ❖ Economic growth brought a construction boom to New York City and there was a high demand for living in cities.
- ❖ New Yorkers were packing into apartment buildings, initially with no desire to live on top of them.



## **WHY ULTRA LUXURY A PENTHOUSE?**

- ❖ One of the best features of a penthouse is the space available to design the interiors.
- ❖ A penthouse design must have large glass windows to optimise the daylight and the city breeze.
- ❖ The structural design of most penthouses has a balcony or terrace.
- ❖ Sometimes the utility chambers and duct spaces run through the penthouse.
- ❖ In that case, they can be blended into the penthouse design to accentuate the quirky decor.
- ❖ Wood finish gives a warm, comfortable look to a penthouse design
- ❖ Play the natural light during the daytime with the right curtains and blinds.
- ❖ Paint the walls in pastel or beige shades to usher in elegance.
- ❖ A penthouse design must have designer furniture.

## **NEED OF TOPIC**

- ❖ A penthouse gives the best view of the city and one can have a Jacuzzi or a pool in a penthouse. Guests and others will find it difficult to come to the highest level of the building.
- ❖ The single-most defining feature of a penthouse is its access to the best views.
- ❖ Although the luxury apartments are usually located on the top floor, for this reason, a penthouse may be located on a lower floor where it might have access to better, unobstructed views.
- ❖ Penthouses generally provide ample natural light and ventilation and an unobstructed view of the surroundings.
- ❖ These are things that not many may be able to afford in a big city.
- ❖ These units offer more peace and quiet, because of the placement of the units.

## **AIM AND OBJECTIVES**

- ❖ Penthouses for the use of free-flowing spaces.
- ❖ Penthouses are one of the most luxurious and large apartments in a building by providing more private living space with a 360-degree view on top of the skyscraper.
- ❖ a penthouse is 'an expensive and comfortable flat or set of rooms at the top of a tall building'.

## **SCOPE AND LIMITATION**

- ❖ A penthouse dweller can enjoy the contemporary lifestyle and status.
- ❖ As it's big enough, you can have your privacy.
- ❖ A penthouse gives the best view of the city and one can have a Jacuzzi or a pool in a penthouse.
- ❖ They are located in the heart of busy cities and offer a sense of serenity.
- ❖ A penthouse location provides easy access to hotels, restaurants, malls, schools and so on.
- ❖ Guests and others will find it difficult to come to the highest level of the building.
- ❖ The penthouse owner is isolated from the rest of the building.
- ❖ Elevator delays during the peak hours.
- ❖ It is too exhausting while running errands.

## **METHODOLOGY**

- |  |  |
|--|--|
| <input type="checkbox"/> Site analysis       | <input type="checkbox"/> Requirement sheet |
| <input type="checkbox"/> Site & surroundings | <input type="checkbox"/> Area analysis     |
| <input type="checkbox"/> Site climate        | <input type="checkbox"/> Standard sheet    |
| <input type="checkbox"/> Case study          | <input type="checkbox"/> Concept sheet     |
| <input type="checkbox"/> Literature study    | <input type="checkbox"/> Design            |
| <input type="checkbox"/> Elective            |  |
| <input type="checkbox"/> View                |  |



# TENTATIVE PROJECT REQUIREMENTS

- ❖ Store room
- ❖ Utility area
- ❖ Kitchen
- ❖ Utility for utensils
- ❖ Dress area
- ❖ Balcony
- ❖ Master bedroom
- ❖ Family home theatre
- ❖ Store room
- ❖ Pantry
- ❖ Baar
- ❖ Gym
- ❖ Theatre
- ❖ Entrance(foyer)
- ❖ Private Outdoor terrace Space
- ❖ entrance
- ❖ Fire place
- ❖ Swimming pool and jacuzzi
- ❖ Living area
- ❖ Dining area
- ❖ Bedroom
- ❖ He toilet
- ❖ She toilet
- ❖ Powder room
- ❖ Maid's room



PRIVATE OUTDOOR  
TERRACE SPACE



EXQUISITE FURNITURE



COLORS



LIGHTING TO ACCENTUATE



FRAMELESS WINDOWS  
AND DOOR



SWIMING POOL



BAR



GYMNASIUM



MOVIE THEATRE



FIRE PLACE



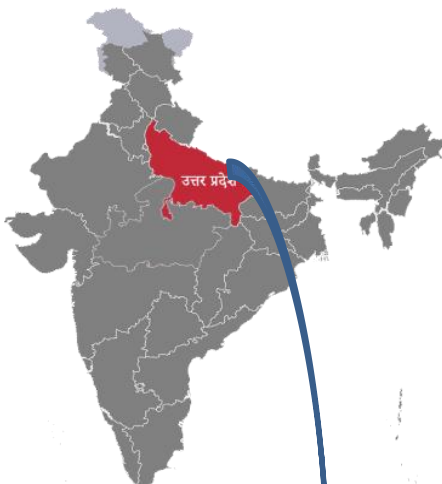
BEDROOM



KITCHEN

# SITE LOCATION

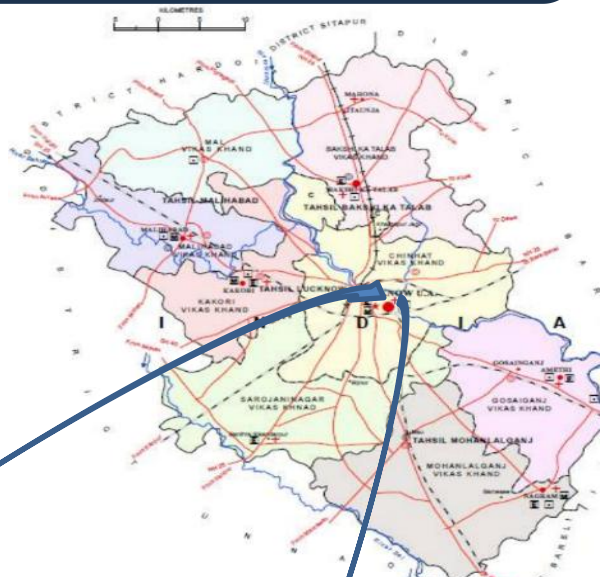
**PROJECT BUILDING TYPE** :- ULTRA LUXURY APARTMENT  
**NAME OF THE CLIENT** :- OMAXE  
**ARCHITECT** :- AR.HAFEEZ CONTRACTOR  
**LOCATION** :- GOMTI NAGAR EXTENSION, LKO.  
**CONSTRUCTION YEAR** :-JANUARY,2023  
**COMPLETION YEAR** :-NOVEMBER.2030  
**SITE AREA** :-300 ACRE  
**FLOOR** :-B+G+19<sup>TH</sup> FLOORS  
**POSSESSION** :- NEW LAUNCH  
**FRONT SIDE** :- 80 METRE



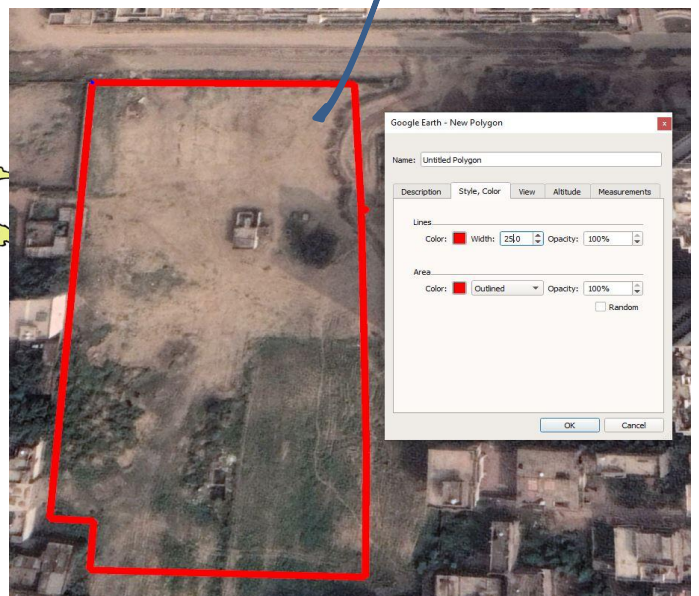
INDIA MAP



UTTAR PRADESH MAP



LUCKNOW MAP



PROPOSED SITE

# **CHAPTER -02**

## **SITE ANALYSIS**



# SITE ANALYSIS

## INTRODUCTION ABOUT LUCKNOW

- ❖ Lucknow is the capital and the largest city of the Indian state of Uttar Pradesh and it is also the second largest urban agglomeration in Uttar Pradesh.
- ❖ Lucknow is the administrative headquarters of the eponymous district and division.
- ❖ Lucknow, the capital of Uttar Pradesh was founded by Nawab Asaf-ud-Daula. In the olden times, it served as the capital of the nawabs of Awadh and it is one of the reasons why it is also called as the City of the Nawabs.
- ❖ In ancient times, Lucknow was known as Lakshmanpur or Lakhanpur. Hazratganj known as “The Heart of Lucknow”.
- ❖ Lucknow is called Pink City because every building in this city is painted by royal majestic terracotta pink.

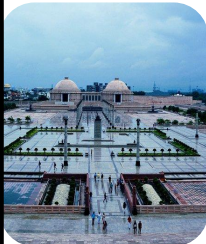
## IMPORTANT PLACE OF LUCKNOW

### BARA IMAMBARA



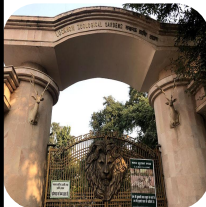
it is an important place of worship for the **Muslims** who come here every year to celebrate the **religious festival of Muharram**. also known as **Asfi Imambara** is an imambara complex in Lucknow, India built by **Asaf-ud-Daula**, Nawab of Awadh in **1784**.  
**Architectural style: Mughal architecture.**  
**SOURCE:**[https://en.wikipedia.org/wiki/Bara\\_Imambara](https://en.wikipedia.org/wiki/Bara_Imambara)

### AMBEDKAR MEMORIAL PARK



Ambedkar Memorial Park, formally known as Dr. Bhimrao Ambedkar Samajik Parivartan Prateek Sthal, is a public park and memorial in Gomti Nagar, Lucknow, Uttar Pradesh, India. The memorial is dedicated to B. R. Ambedkar.  
**SOURCE:-**  
[https://en.wikipedia.org/wiki/Ambedkar\\_Memorial\\_Park](https://en.wikipedia.org/wiki/Ambedkar_Memorial_Park)

### LUCKNOW ZOO

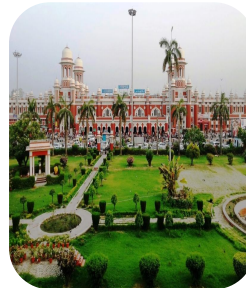


**Also popular as the Nawab Wajid Ali Shah Zoological Garden**, it is a place to catch hold of some natural splendour within the city. November 1921.  
**LOCATION:-** Hazratganj Road, Opp to Civil Hospital, Lucknow, Uttar Pradesh, 226001,

### BABU BANARASI DAS UNIVERSITY



Babu Banarasi Das University (also known as BBD University)[1] is a private university having its Main Campus in Lucknow, Uttar Pradesh, India established by Akhilesh Das in 2010 and named after his father and former Chief Minister of Uttar Pradesh, B.B.D.U.



### CHARBAGH RAILWAY STATION

It is one of the main railway stations of Lucknow, also known as Charbagh station, as it is located in Charbagh. It was completed in 1914 and a glimpse of Rajasthani building style can be seen in its architecture. It resembles a chess board, with chess pieces such as domes, pillars and turrets on a single board.  
**SOURCE:-**  
[https://en.wikipedia.org/wiki/Lucknow\\_Charbagh\\_railway\\_station](https://en.wikipedia.org/wiki/Lucknow_Charbagh_railway_station)



### HAZRATGANJ MARKET

Hazratganj is the downtown and the main shopping centre of Lucknow, the capital and the largest city of the Indian state of Uttar Pradesh.  
**SOURCE:-**  
<https://theculturetrip.com/asia/india/articles/hazratganj-market->



### EKANA INTERNATIONAL CRICKET STADIUM

Bharat Ratna Shri Atal Bihari Vajpayee Ekana Cricket Stadium, formerly Ekana International Cricket Stadium, and commonly known as Ekana Cricket Stadium, is a cricket stadium in Lucknow, Uttar Pradesh in India. **SOURCE:**<https://www.ekana.com>

### CHIKAN CRAFT



The craft of Chikan work, often referred to as Lucknow Chikan, is over 400 years old with a firm presence in the Indian and global fashion arena. The technique of its creation is called Chikankari and its unique sensibility flaunts grace and elegance as subtly as the wearer pleases.  
**SOURCE:-**  
<https://www.shaaaneawadh.com/about-lucknow-chikankar>

## ABOUT PENTHOUSE



- ❖ A penthouse is an apartment or unit on the highest floor of an apartment building, condominium, hotel or tower. Penthouses are typically differentiated from other apartments by luxury features.
- ❖ The term 'penthouse' originally referred, and sometimes still does refer, to a separate smaller 'house' that was constructed on the roof of an apartment building.
- ❖ Architecturally it refers specifically to a structure on the roof of a building that is set back from its outer walls.
- ❖ Recently, luxury high rise apartment buildings have begun to designate multiple units on the entire top residential floor or multiple higher residential floors including the top floor as penthouse apartments, and outfit them to include ultra-luxury fixtures, finishes, and designs which are different from all other residential floors of the building.

## HIGHLIGHTS OF A PENTHOUSE

- ❖ Penthouses also differentiate themselves by luxurious amenities such as high-end appliances, finest materials fitting, **luxurious flooring system**, and more.
- ❖ Features not found in the majority of apartments in the building may include a **private entrance or elevator, or higher/vaulted ceilings**.
- ❖ In buildings consisting primarily of single level apartments, penthouse apartments may be distinguished by having two or more levels.
- ❖ They may also have such features as a terrace, fireplace, more floor area, oversized windows, multiple master suites, den/office space, hot-tubs, and more.
- ❖ They might be equipped with luxury kitchens featuring stainless steel appliances, granite counter-tops, breakfast bar/island, and more.
- ❖ Access to a penthouse apartment is usually provided by a **separate elevator**.

- High ceilings
- Quality finishes
- Access to outdoor
- Breathtaking views
- Square foot



## **BENEFITS**

1. Best view of the city
2. Enjoy a spacious layout with a life of luxury
3. Penthouse living raises your status
4. You are far above the noise, dust and crowd. You also enjoy privacy
5. No face-to-face with apartment people unless you want to meet them

## **PROBLEMS**

1. The cost comes foremost
2. This luxury comes at a high price
3. Another common complaint is about time-consuming elevator rides .
4. Taking a long ride to walk your dog or buying daily items can be irritating.
5. vulnerable to weather changes.
6. heat, cold and rain may affect your comfort more than others in the building.
7. Having noisy community gatherings next door may be disturbing.

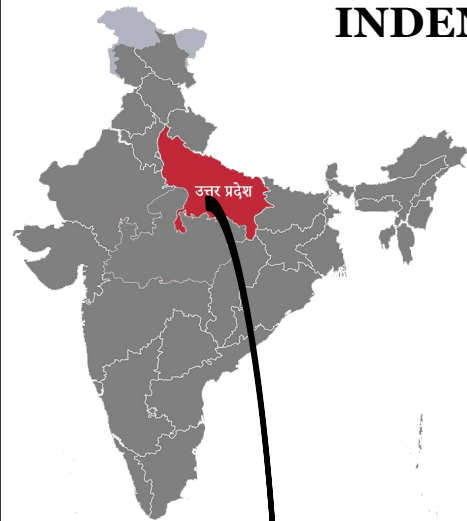


## SITE OVERVIEW

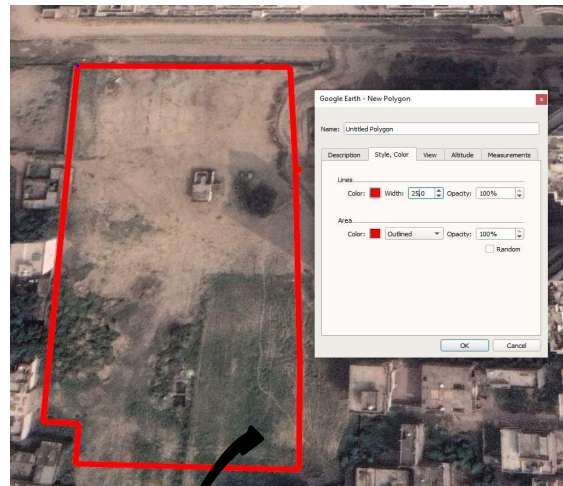


- Omaxe The LESEAND is a premium real estate project for the high-class individual. As a super luxurious tower, it involves the best-in-class innovation and fittings that match the European norms. The whole structure is automated with residents having the card facilities to access the lift and other things.
- ❖ The **Resort** is an **ultra-luxurious** high rise apartments, In this project, I took a site of a penthouse located in lucknow ,Uttar Pradesh .
- ❖ Name - The Resort
- ❖ I came up with the ideas to design the penhouse into modern style .
- ❖ I am talking ,19<sup>th</sup> floor plan ( lower level penthouse 4 bhk tower - (b1 &B2) ,20<sup>th</sup> floor plan ( terrace of penthouse 4 bhk tower - (b1 &B2) for my thesis project.

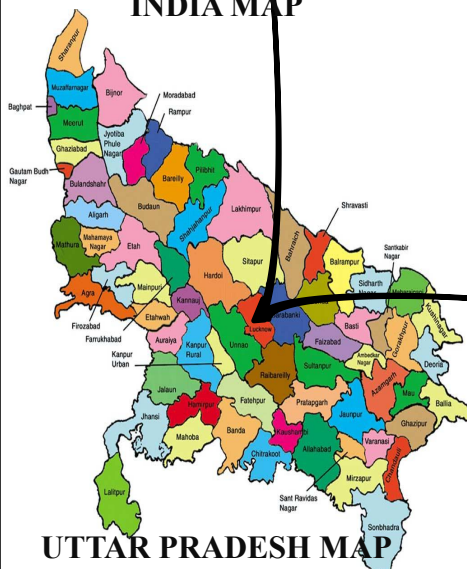
## INDENTIFICATION OF SITE



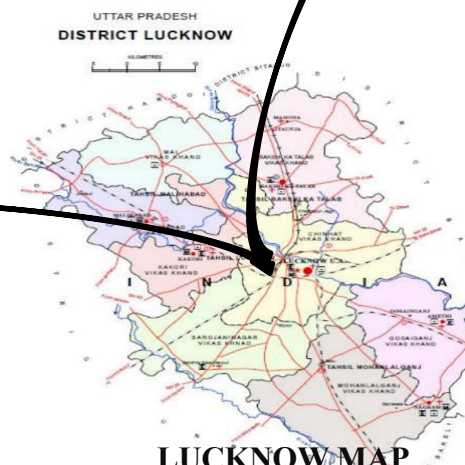
INDIA MAP



PROPOSED SITE



UTTAR PRADESH MAP



LUCKNOW MAP

# **LIMITATIONS OF A PENTHOUSE**

- FOYER
- DOUBLE HEIGHTED LIVING
- MEZZANINE DINING AREA
- MASTER BEDROOM
- BEDROOM
- KITCHEN
- HOME THEATRE
- GYMNASIUM
- BAR
- SWIMMING POOL

## **FAMOUSE LANDMARK**



**BHARTIYA VIDYA  
BHAVAN  
PUBLIC SCHOOL- 3.4 KM.**



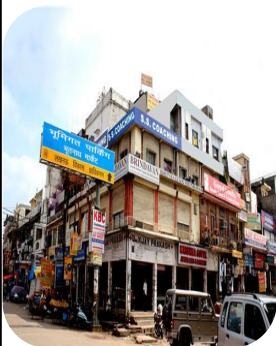
**LULU MALL-119 KM**



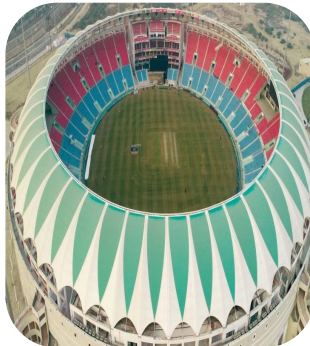
**ANIBASANT COLLEGE – 32  
KM.**



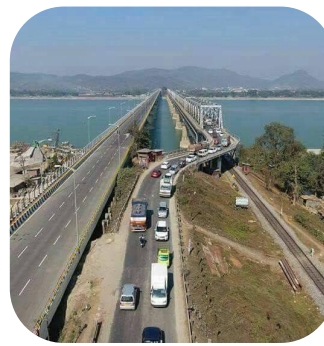
**MANDI PARISHAD  
ROAD -230M**



**INDIRA NAGAR 2.2 KM**



**NEW ZONE STADIUM-3.7 KM**



**NATIONAL HIGHWAY 27 –  
850 M**



**GOMTI NAGAR RAILWAY  
STATION-3.9 KM**



**LUCKNOW AIRPORT-24.9  
KM**



**SUSHMA HOSPITAL—2.1 KM**



**GOMTI RIVERFRONT  
PARK 6.4 KM**



**AWADH BUS STATION-  
10 KM**



## APPROCH TO THE SITE



**BY BUS**



**AWADH BUS  
STATION- 10 KM.**



**BY RAIL**



**CHARBAG RAILWAY  
STATION- 9 KM.**



**BY METRO**



**INDRIA NAGAR METRO  
STATION- 12 KM.**



**BY AIRPLANE**



**LUCKNOW  
AIRPORT-24.9 KM**

### **DISTANCE FROM OMAXE THE RESORT GOMTI NAGAR:-**

- **BHARTIYA VIDYA BHAVAN-3.4 KM**
- **PUBLIC SCHOOL- 3.4 KM.**
- **LULU MALL-119 KM**
- **ANIBASANT COLLEGE – 32 KM.**
- **MANDI PARISHAD ROAD -230M**
- **NATIONAL HIGHWAY 27 – 850 M**
- **GOMTI NAGAR RAILWAY STATION-3.9 KM**
- **STATION-3.9 KM**
- **INDIRA NAGAR 2.2 KM**
- **NEW ZONE STADIUM-3.7 KM**
- **LUCKNOW AIRPORT-24.9 KM**
- **SUSHMA HOSPITAL—2.1 KM**
- **AWADH BUS STATION - 10 KM.**
- **GOMTI RIVERFRONT PARK 9.5 KM**

## CLIMATE DATA

- ❖ The climate of Lucknow is **subtropical**, with a rainy season that **runs roughly** from **mid-June to early October**, due to the monsoon, and a **dry season** from **mid-October to early June**.
- ❖ The city is the capital of the state of Uttar Pradesh and is located in northern India, on the banks of the **River Gomti**, a tributary of the Ganges, and at almost 27 degrees north latitude.
- ❖ The best time to **visit Lucknow** is from **mid November to mid February** being the coolest within the dry season.

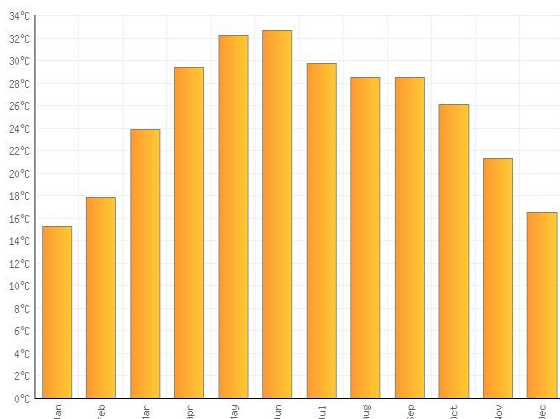
**LUCKNOW LIES WITHIN A COMPOSITE CLIMATE ZONE, HAVING FOUR MAIN SEASONS :-** the summer, which is hot and fairly dry; the monsoon which is less hot but humid; the period of moderate temperature and humid, and the slightly cold winter period. The climate data for last twenty years, published by the central building research institute, Roorkee, is summarized below (CBRI, 1989).

Climate data for Lucknow, India													
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Average high °C (°F)	22.6 (72.7)	26.0 (78.8)	32.2 (90.0)	38.1 (100.6)	40.5 (104.9)	38.7 (101.7)	33.6 (92.5)	32.5 (90.5)	33.0 (91.4)	32.5 (90.5)	28.9 (84.0)	24.1 (75.4)	31.9 (89.4)
Daily mean °C (°F)	14.7 (58.5)	17.6 (63.7)	23.2 (73.8)	29.3 (84.7)	32.6 (90.7)	32.9 (91.2)	29.8 (85.6)	29.0 (84.2)	28.6 (83.5)	25.7 (78.3)	20.3 (68.5)	15.7 (60.3)	24.9 (76.8)
Average low °C (°F)	6.9 (44.4)	9.3 (48.7)	14.2 (57.6)	20.5 (68.9)	24.7 (76.5)	27.1 (80.8)	26.1 (79.0)	25.6 (78.1)	24.3 (75.7)	19.0 (66.2)	11.8 (53.2)	7.4 (45.3)	18.1 (64.6)
Rainfall mm (inches)	21.9 (0.862)	11.2 (0.441)	7.7 (0.303)	4.9 (0.193)	16.5 (0.65)	107.4 (4.228)	294.3 (11.587)	313.9 (12.358)	180.6 (7.11)	45.2 (1.78)	3.8 (0.15)	7.3 (0.287)	1,014.7 (39.949)
Avg. rainy days (≥ 0.1 mm)	1.6	1.1	0.7	0.5	1.0	4.2	11.6	13.1	7.4	2.0	0.3	0.7	44.2
Mean monthly sunshine hours	203.4	217.5	248.7	271.0	283.5	198.0	167.4	166.7	219.0	269.7	246.0	217.0	2,707.9

### AVERAGE TEMPERATURE

- ❖ The **hottest** month of the year in Lucknow is **June**, with an average high of 100°C and low of 81°F.
- ❖ The **coldest** month of the year in Lucknow is **January**, with an average low of 48°F and high of 48°F.

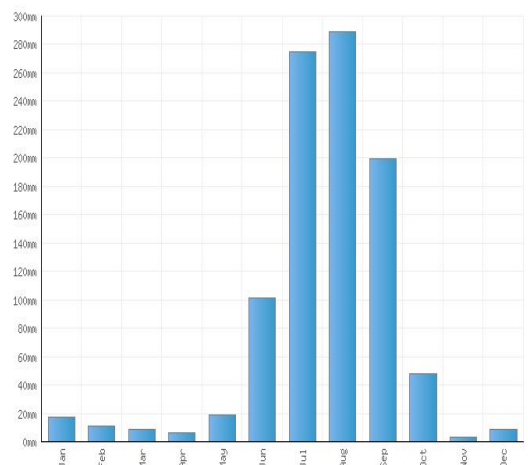
Average monthly temperatures (°C) in Lucknow



### RAINFALL

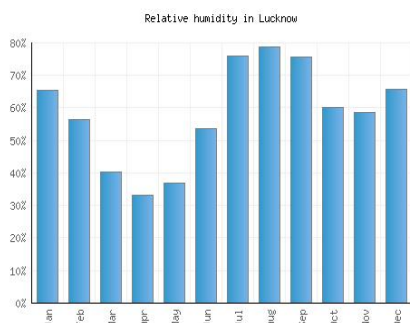
- ❖ Rainfall starts with the arrival of the monsoon season in the middle of the June. Regular rain continues up to mid-September.
- ❖ The total annual rainfall is 940mm.

Average monthly rainfall in Lucknow

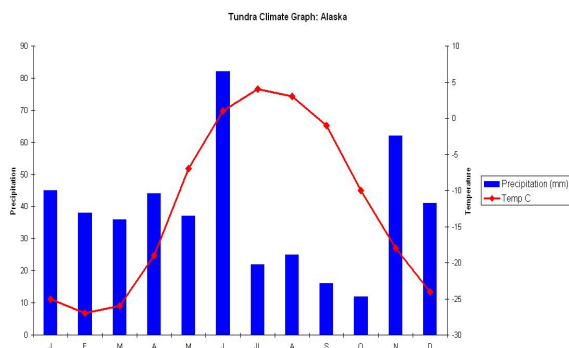


## RELATIVE HUMADITY

The relative humidity during summer can be less than 25% during the most humid months, the relative humidity is in the range of 78% to 82%.

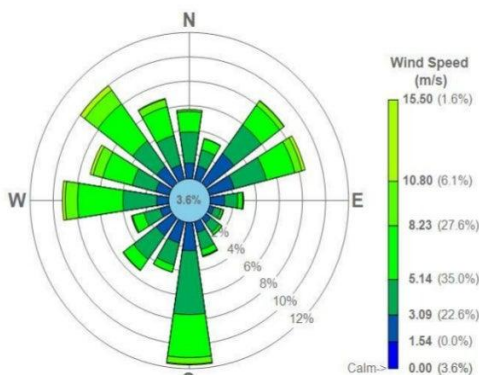


## PRECIPITATION GRAPH



## WIND ROSE MOVEMENT

Wind roses are set up in a circle, just like a compass. When looking at one, the top represents north, the right represents east, the left west, and the bottom south. As a "spoke" extends along one of these directions, that indicates the wind was blowing from that direction, not toward ..

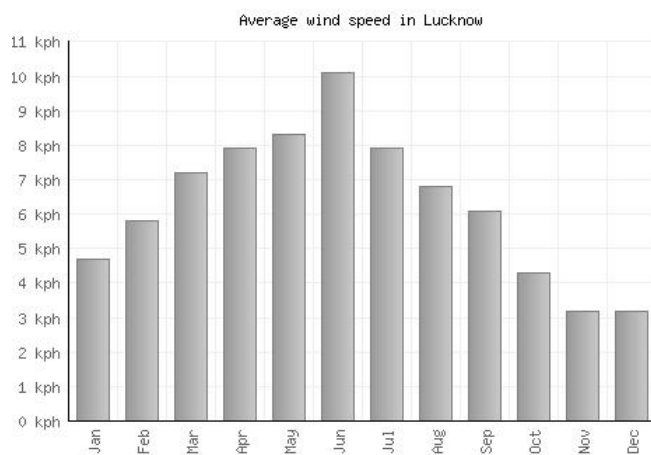


## QUICK CLIMATE INFO:-

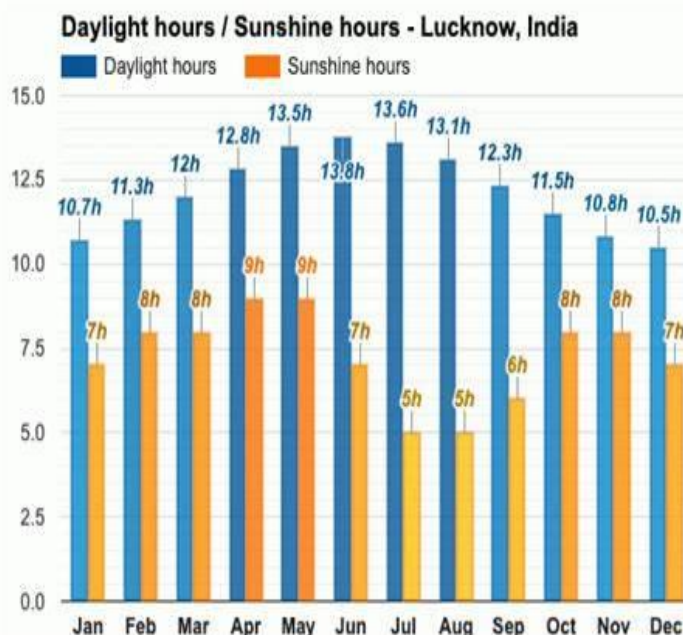
- Hottest Month: June (33 °C avg)
- Coldest Month: January (15 °C avg)
- Wettest Month: July (194.7 mm avg)
- Windiest Month: June (9 km/h avg)
- Annual precip.: 670.3 mm (per year)

## WIND SPEED

The wind speed in the range of 8 to 10 km/hour from **may** to **september** the predominant wind direction is east.



## DAYLIGHT & SUNSHINE GRAPH

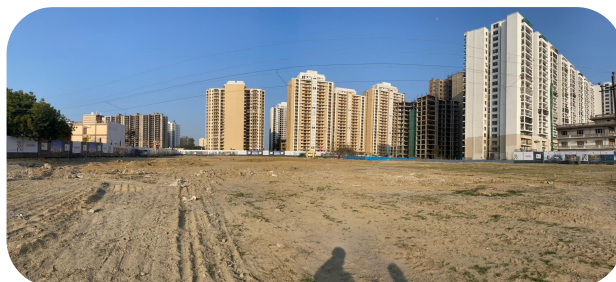
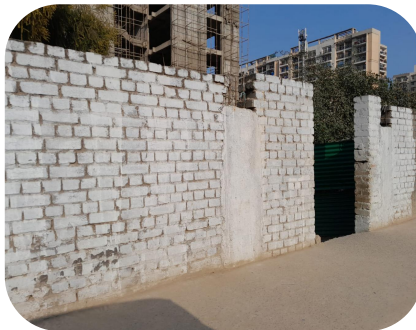




## SITE SURROUNDINGS

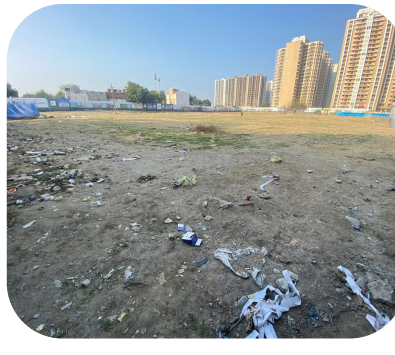
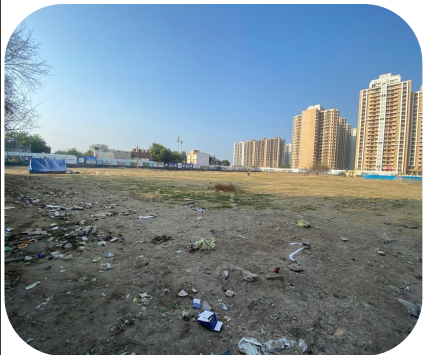


**PROPOSED SITE**

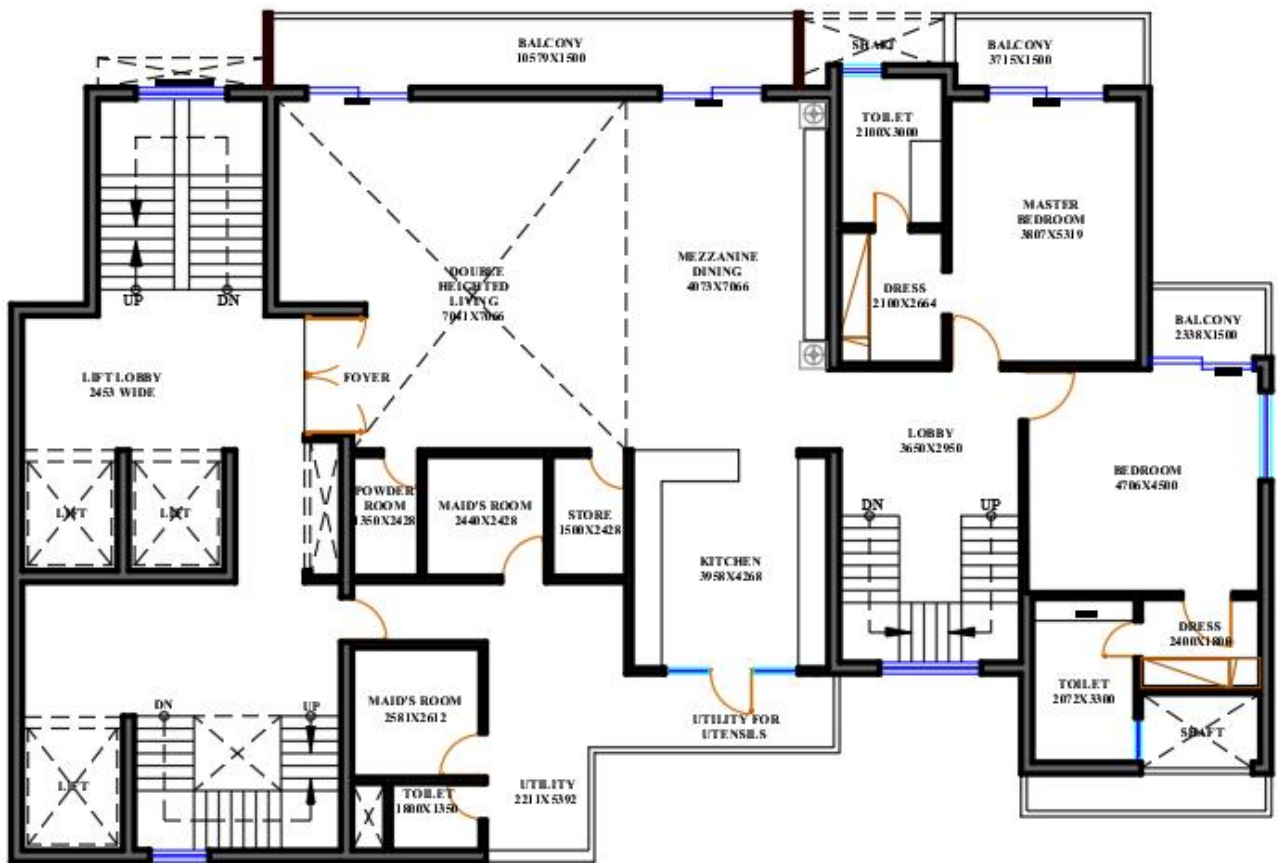




## PROPOSED SITE

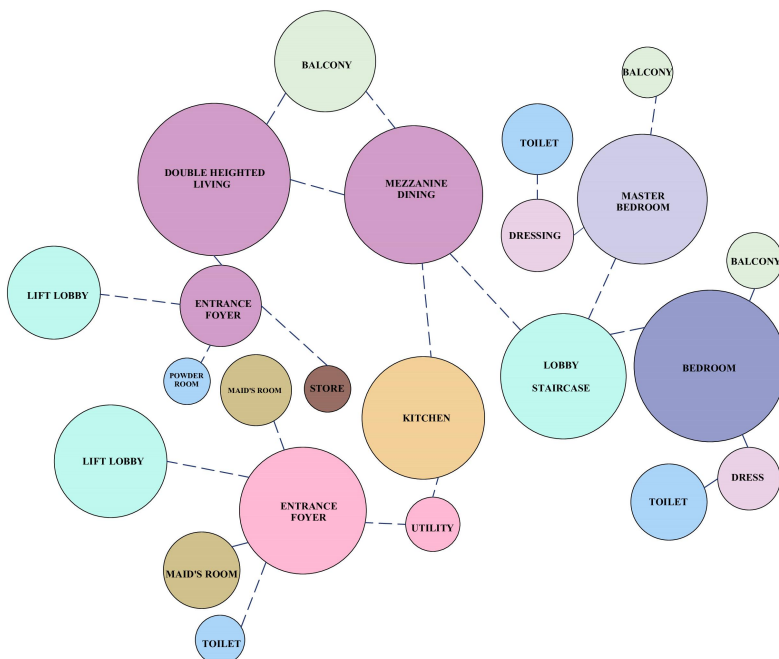


## 19<sup>TH</sup> FLOOR PLAN ( LOWER LEVEL PENTHOUSE 4 BHK TOWER - (B1 & B2)



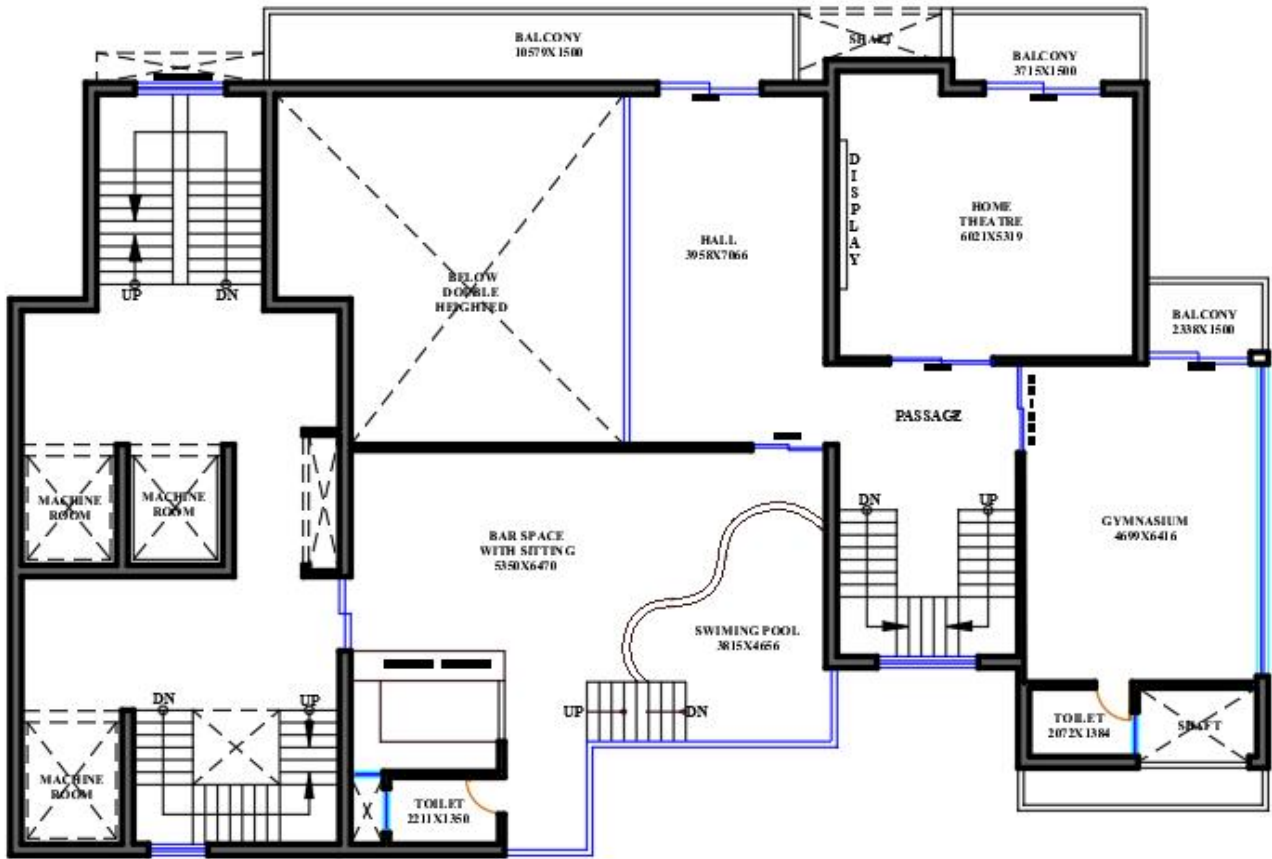
## REQUIREMENTS

- Foyer
- Double height living
- Mezzanine dining
- Kitchen
- Lobby
- Bedroom
- Master bedroom



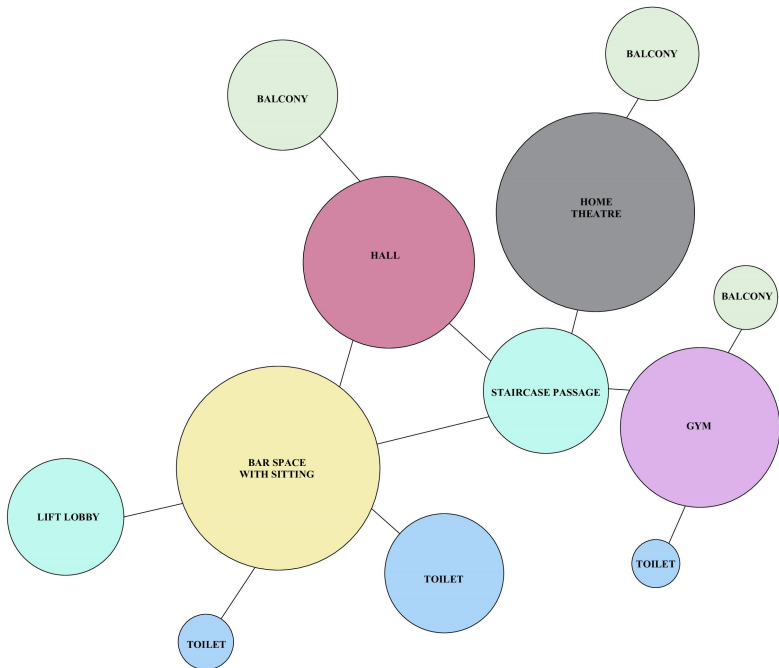
## BUBBLE DIAGRAM

TERRACE FLOOR PLAN ( TERRACE OF PENTHOUSE  
4 BHK TOWER - (B1 &B2)



REQUIREMENTS

- GYM
- BAR
- TOILE
- THEATRE
- HALL
- STAIRCASE



BUBBLE DIAGRAM

# **CHAPTER-03**

## **LITERATURE STUDY-01**

**PERSONIFIES LUXURIOUS LIVING  
IN AN EFFORTLESS WAY**



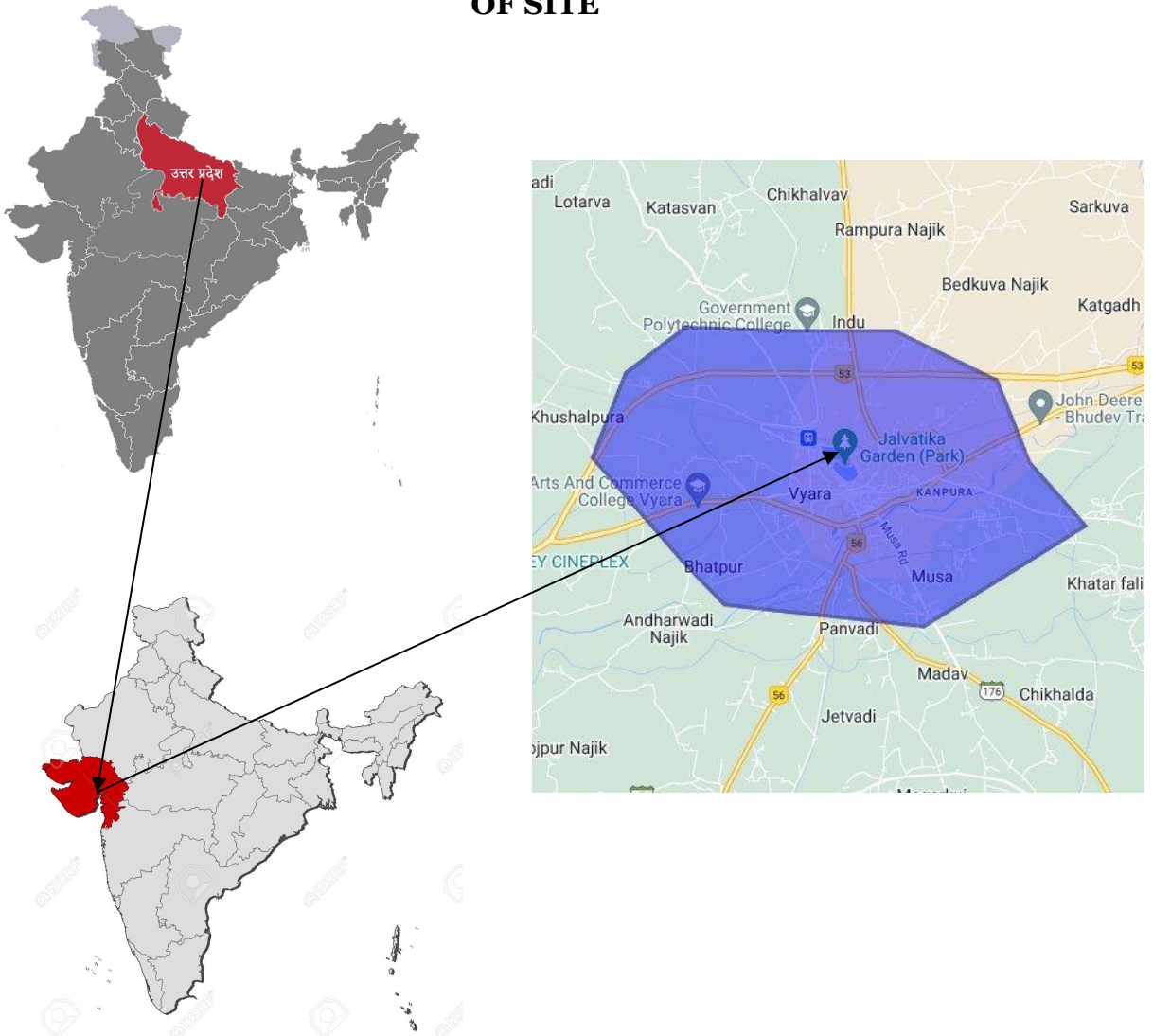
# LITERATURE STUDY -01

## PERSONIFIES LUXURIOUS LIVING IN AN EFFORTLESS WAY

### INTRODUCTION ABOUT VYARA GUJRAT

- ❖ It is renowned for its beaches, temple towns and historic capitals. Wildlife sanctuaries, hill resorts and natural grandeur are gifts of Gujarat. Sculpture, handicrafts, arts, festivals also make the state rich.
- ❖ Aavo Padharo, words of welcome in the language of Gujarat because it is here that these words ring truly and the guest is 'God' and the people of Gujarat are gregariously friendly, inviting and will entice you to come again and again.
- ❖ **Vyara** is a town and the district headquarters of the [Tapi district](#) in the [Indian state](#) of [Gujarat](#).
- ❖ It is 65 kilometres from Surat.
- ❖ Tripadvisor has reviews of **Vyara** Hotels, Attractions, and Restaurants making it your best **Vyara** Tourism resource.

### INDENTIFICATION OF SITE



# INTRODUCTION ABOUT SITE

As the name suggests, “Vaikunth [heaven]” the client believes, this penthouse is their abode of heaven and hence the ambition was to enable each space, shared and private, to resemble the client’s vision of a tranquil and quintessential home.

Penthouse living at lake Jal Vatika in Vyara, amidst nature with pure and picturesque surroundings, brings collectively sophistication and elegance, allowing the experience of all this beauty from the privacy of the 9<sup>th</sup> floor. Sprawled over an area of 10,000 sq. Ft., the project’s roots have been intended to grow, keeping in mind the client’s penchant. It is predominantly designed for a family of 9 who wanted a royal and luxurious living, whilst creating a comfortable milieu for the occupant family.

## SITE DETAIL

## REQUIREMENTS

SITE DETAIL	DESIGN STUDIO – <u>DEEP BREATH ARCHITECTURE FIRM</u>	➤	FOYER
	PROJECT TYPE- PENTHOUSE INTERIOR	➤	DINING AREA
	PRINCIPAL ARCHITECT – AR. AJAY PANCHAL	➤	DRAWING ROOM
	YEAR OF COMPETITION – 2021	➤	MASTER
	LOCATION – VYARA, GUJARAT	➤	BEDROOM
	AREA – 10,000 SQ. FT	➤	BEDROOM
	PHOTOGRAPHY CREDIT – <u>DHAVAL GAJJAR</u>	➤	TOILET
		➤	STAIRCASE
		➤	KITCHEN
		➤	BALCONY
		➤	DRESS
		➤	GYM NASIUM
		➤	FVTHEATRE
		➤	BAR
		➤	SWIMIMNG POOL



9TH FLOOR PLAN



# INTERIOR SPECIFICATIONS

## ENTRANCE GATE

Massive patterned wooden door at the entrance sets an impression of establishing an equilibrium between modernism and traditionalism.

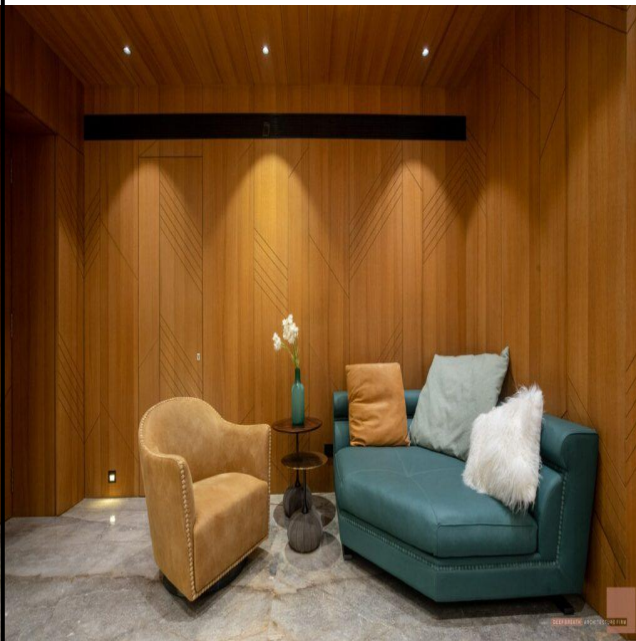
Plan has been kept as simple and as open as it could be, with a visual connectivity maintained throughout the penthouse along with connection to the nature, with the support of double heightened spaces and multiple balconies facing the river.

### MATERIALS

- ❖ Teak wood frame
- ❖ Cutting triangle patterns in board
- ❖ black mild steel handle
- ❖ Ms sheet with powder coating



## BEDROOM -01



- FABRIC HEADBOARDS
- PROFILE LIGHT
- VENEER
- METTLE SHETTY FRAME
- BLACK LEATHER
- WHITE FABRIC CURTAIN WITH BLUE BORDER
- VELVET YELLOW CHAIR
- LEATHER GREEN SOFA
- COVE LIGHT
- PANEL LIGHT
- PENDENT LIGHT
- TOUGHENED GLASS TABKE TOP SIDE TABLE
- CERAMIC FLOORING
- TABLE LAMP
- CEILING LIGHT

## DINING AREA

The dining area has been simply designed as a ***double heightened*** space to behold an ***8-seater dining table*** along a ***full-length window***.

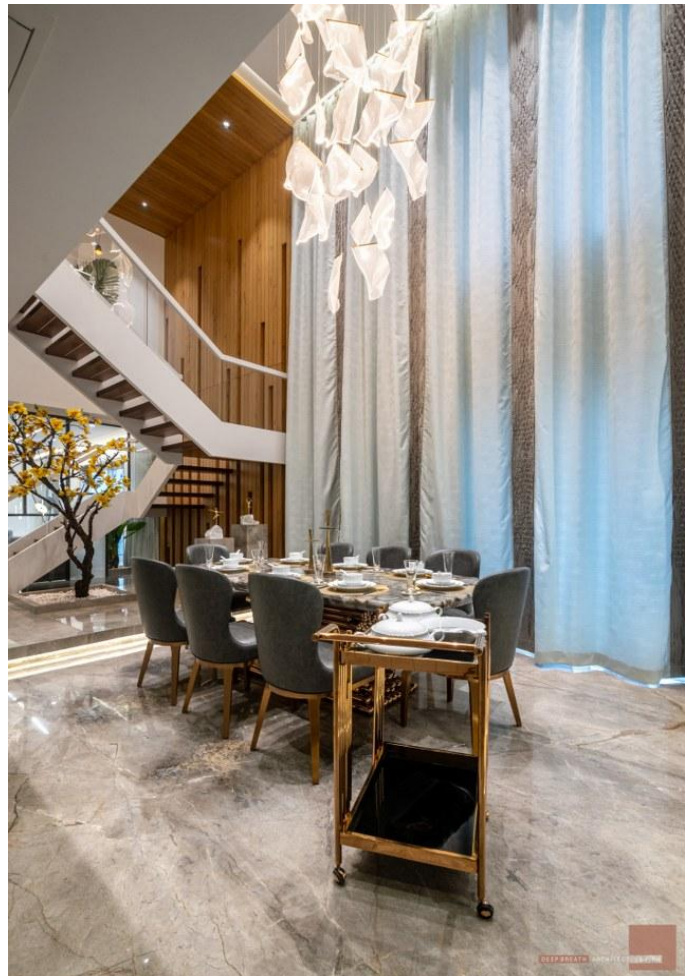
This comparatively increased volume of the space and naturally lit area portrays the dining space importance as an integral part of family' social gathering. Customized table base acts as the epitome of design.

❖ The dark colour palette gives a bold outlook altogether.

❖ The interplay of ***contrasting colors*** and the ***royal furniture*** with massive ***chandelier in a central volume*** adds ***vibrancy*** and luxury to the room.

❖ The kitchen likewise has a simplistic modular style with sleek minimalistic surfaces.

- MARBLE FLOORING
- CIRCULAR DECORATIVE ITEMS
- MARBLE DINING TABLE TOP
- WOODEN LEGS
- GREY LEATHER FINISH DINING CHAIR
- CHARCOAL WALL PANEL
- MARBLE TEXTURED MICA
- LUXURY CHANDELIER
- PROFILE LIGHTS
- CEILINGS LIGHT
- CENTRAL AC
- 8 SEATER WOODEN DINING TABLE
- TRANSPARENT GLASS ROOTED IN SLEEK STEEL FRAME





# INTERIOR SPECIFICATIONS

## DRAWING ROOM

In this drawing room with a warm and contemporary aesthetic, the wall at the centre has been decorated with unique pieces that give a feeling of both warmth and freshness. The drawing room celebrates royalty and luxury with a monotony of colours and material palette. The living area is moderately furnished with **two full height windows** bringing in abundance of **natural light** making the room feel **visually large**. With utmost interaction with the surroundings, carefully **crafted hanging mirror show piece** along with a traditional element "**jhoola**", accentuates the vibe. Decked by the **marble tiles** and **grey tonality** of the **furniture**, the space is royal in its emotions. Transparent glass rooted in sleek steel frame, divides the space yet keeping it connected, making it visually large.



## MATERIALS

- TRANSPARENT GLASS ROOTED IN SLEEK STEEL FRAME
- MARBLE FLOORING
- LEATHERETTE FINISH GREY, BROWN, BLACK
- WOODEN CENTER TABLE
- METAL FRAME SIDE TABLE
- HANGING MIRROR
- 2X4 VITRIFIED TILES ON TV UNIT WALL
- WHITE LAMINATE
- WOODEN PLANKS
- HAND CRAFTED DECORATIVE ITEMS



- SIDE LAMP
- PROFILE LIGHT
- PANEL LIGHT
- COVE LIGHT
- HANGING PENDANT LIGHT
- CEILING LIGHT
- FULL HEIGHTED WINDOW
- SHOW PIECE

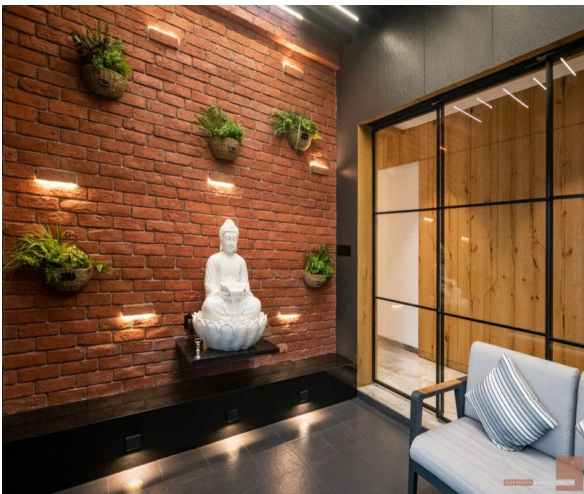
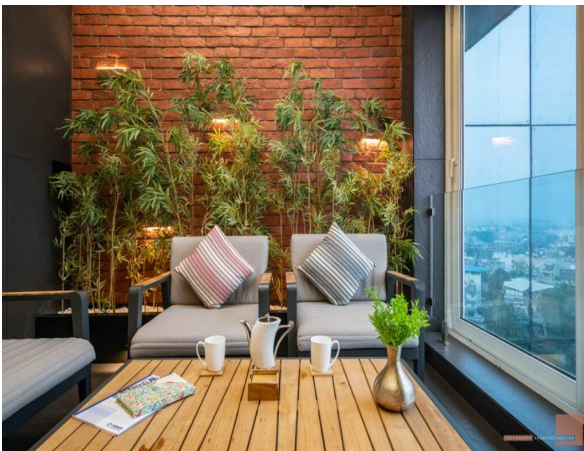
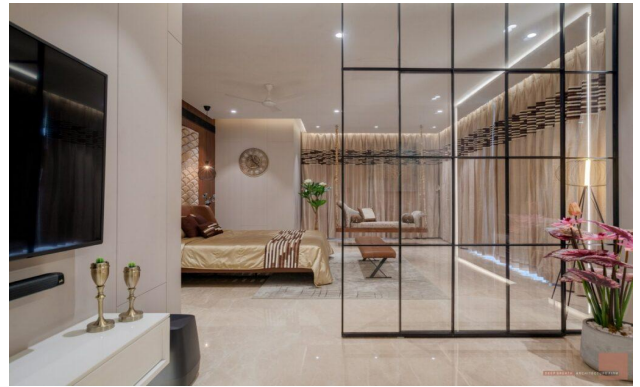
## INTERIOR SPECIFICATIONS

### MASTER BEDROOM

All the rooms have been designed according to each end-user's requirements yet in a **harmony** with the overall **theme** of the house.

The spaces within the bedrooms have been defined individually with the use of different materials and level differences. Distinctively, the bedroom has a very earthy look with of the **walls cladded with exposed bricks**.

one of the master bedrooms has been carried through wooden flooring and fabric headboards giving warmth to space. All the bedrooms celebrate royalty and luxury with a monotony of colours and material palette.



### MATERIALS

- EXPOSED RED BRICK WALL
- PROFILE LIGHT
- DOWN LIGHTS
- BUDHHA STONE STATUE
- WALL MOUNTED ARTIFICIALS POTS
- ARTIFICIAL PLANTS
- TRANSPARENT GLASS ROOTED IN SLEEK STEEL FRAME
- BIRCH WOOD TABLE
- TOUGHENED GLASS GLAZING
- IRON RODS



# INTERIOR SPECIFICATIONS

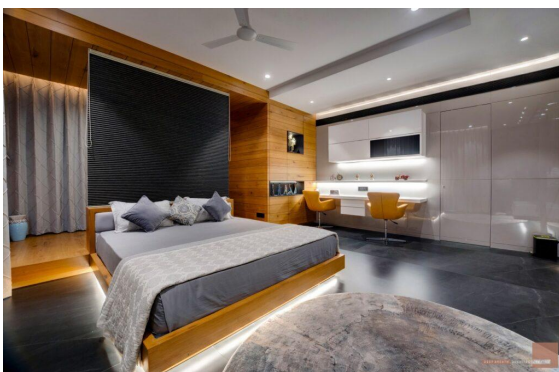
## BEDROOM -02



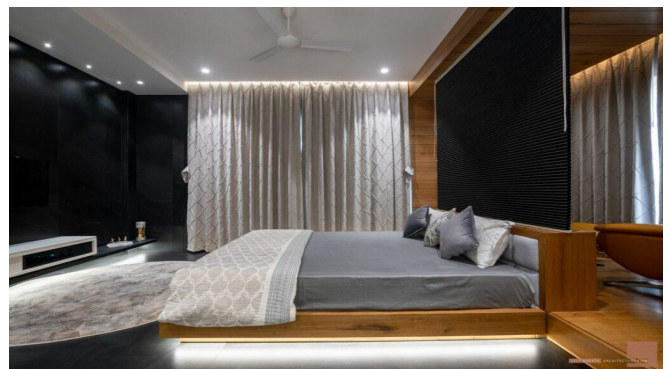
## MATERIALS

- WOODEN FLOORING
- FABRIC HEADBOARDS
- MONOTONY COLOURS
- WOODEN PLANKS
- FLOOR LAMP
- METAL LEGS FOR TABLE
- WHITE LEATHER SOFA
- SQUARE PAINTINGS
- ARTIFICIAL FLOWER POTS
- CIRCULAR MIRROR
- SIDE TABLE LAMP
- GREY CURTAINS
- TRANSPARENT GLASS ROOTED
- IN SLEEK STEEL FRAME
- MARBLE TEXTURE CENTER TABLE

## BEDROOM -03



- BLACK MARBLE FLOORING
- WHITE CURTAINS
- PROFILE LIGHT
- COVE LIGHT
- YELLOW LEATHER CHAIR
- WHITE WOODEN PLANKS
- CEILING LIGHT
- 2X2 WHITE CERAMIC TILE
- WHITE MARBLE TEXTURE MICA

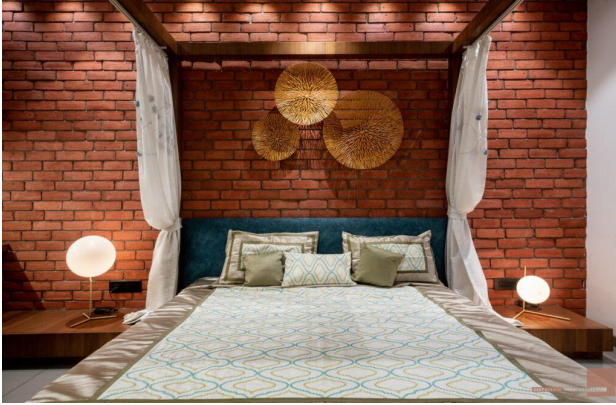


- EXPOSED RED BRICK WALL
- GREEN LEATHER CHAIR ARTIFICIAL WALL
- DECORATIVE ITEMS
- WOODEN TEXTURE MICA
- CIRCULAR SIDE LAMP
- TEAK WOOD BED FRAME
- WALL SCONES



# INTERIOR SPECIFICATIONS

## BEDROOM -04



## MATERIALS

- BLACK MARBLE FLOORING
- WHITE CURTAINS
- PROFILE LIGHT
- COVE LIGHT
- YELLOW LEATHER CHAIR
- WHITE WOODEN PLANKS
- CEILING LIGHT
- 2X2 WHITE CERAMIC TILE
- WHITE MARBLE TEXTURE MICA

- EXPOSED RED BRICK WALL
- GREEN LEATHER CHAIR ARTIFICIAL WALL
- DECORATIVE ITEMS
- WOODEN TEXTURE MICA
- CIRCULAR SIDE LAMP
- TEAK WOOD BED FRAME
- WALL SCONES

## BATHROOM

The bathrooms have a remarkably simple and sleek interior with only minimal furniture yet very elegant. This penthouse has been designed with great care, thoroughness, and details accomplishing the dreams of the inhabitants.



## MATERIALS

### BATHROOM/TOILETS

- STAINLESS STEEL SINK
- EXHAUSE FAN
- CIRCULAR MIRROR
- VITRIFIED TILE
- COUNTER WASH BASIN
- PROFILE LIGHT





# INTERIOR SPECIFICATIONS

## KITCHEN

The kitchen is most important area of the house.

Cool grey, and Neutral grey with white marble counter and white gypsum board ceiling has made the kitchen seem larger and more spacious, also making elegant and stylish. Warm white profile light..

Large windows.

- COOL GREY, AND NEUTRAL GREY
- WHITE MARBLE COUNTER
- GYPSUM BOARD CEILING
- WHITE WARM
- COVE LIGHT
- CEILING LIGHT
- MARBLE FLOORING
- UPVC WINDOW
- STAINLESS STEEL SINK
- HOB
- DISH WASHER



## STAIRCASE

The common area houses an *open riser wooden finished staircase* with featured lights and artifacts that reflect nature, adding beauty and magic to the uniqueness and versatility of the element. It resonates very earthy yet royal feeling. The *open lounge* uses *dark natural stones* for the flooring extending to one side of the wall, accountable for the coziness of the room. The wall is done in an *exposed red brick wall*, with another side of the room elating *natural light* and *pure air*.



- OPEN RISER WOODEN FINISH STAIRCASE
- LUXURY CHANDELIER
- ARTIFICIAL HANGING LEAVES OF FRONT WALL
- WALL HANGING LIGHT
- ON SIDE WALL
- COB LIGHT AND WALL SCONES
- TOUGHENED GLASS RAILING
- DARK NATURAL STONE MARBLE

# **CHAPTER -03**

## **LITERATURE STUDY-02**

**520 West 28th Street, New York,  
NY, 10001**

# LITERATURE STUDY -02

520 WEST 28TH STREET, NEW YORK, NY, 10001

## INTRODUCTION ABOUT NEW YORK

New York, often called New York City or NYC, is the [most populous city](#) in the [United States](#). New York City is a [global cultural](#), [financial](#), [high-tech](#), [entertainment](#), glamor, and [media](#) center with significant influence on commerce, [health care](#) and life sciences, research, technology, [education](#), [politics](#), [tourism](#), [dining](#), art, [fashion](#), and [sports](#). A

## ARCHITECTURE OF NEW YORK CITY

The building form most closely associated with [New York City](#) is the skyscraper, which has shifted many commercial and residential districts from low-rise to high-rise. Surrounded mostly by water, the city has amassed one of the [largest and most varied collection of skyscrapers in the world](#).

New York has architecturally significant buildings in a wide range of styles spanning distinct historical and cultural periods. These include the [Woolworth Building](#) (1913), an early [Gothic revival](#) skyscraper with large-scale [gothic architectural](#) detail.

The character of New York's large residential districts is often defined by the elegant [brownstone rowhouses](#), [townhouses](#), and [tenements](#) that were built during a period of rapid expansion from 1870 to 1930.

## TALLEST BUILDING OF THE NEW YORK

- ONE WORLD TRADE CENTER
- CENTRAL PARK TOWER
- 111 WEST 57<sup>TH</sup> STREET
- ONE VENDBILT
- 432 PARK AVENUE
- EMPIRE STATE BUILDING
- BANK OF AMERICA TOWER
- 3 WORLD TRADE CENTER
- THE Brooklyn TOWER
- THE NEW YORK TIMES BUILDING
- THE SPIRAL

## INTRODUCTION ABOUT SITE

S I T E  D E T A I L	ARCHITECTS: <a href="#">ZAHA HADID ARCHITECTS</a>	
	AREA: <a href="#">5500 FT²</a>	
	YEAR: <a href="#">2018</a>	
	PHOTOGRAPHS: <a href="#">HUFTON+CROW</a> , <a href="#">SCOTT FRANCIS</a>	
	MANUFACTURERS: <a href="#">KALDEWEL</a> , CAREY GLASS, <a href="#">STUDCO</a>	
	MANUFACTURERS: <a href="#">KALDEWEL</a> , CAREY GLASS, <a href="#">STUDCO</a>	

# ZAHA HADID INTRODUCTION

Also Known As	Dame Zaha Mohammad Hadid
Born	October 31, 1950 • <a href="#">Baghdad</a> • <a href="#">Iraq</a>
Died	March 31, 2016 (aged 65) • <a href="#">Miami</a> • <a href="#">Florida</a>
Awards And Honors	<a href="#">Stirling Prize (2011)</a> • <a href="#">Stirling Prize (2010)</a> • <a href="#">Praemium Imperiale (2009)</a> • <a href="#">Pritzker Prize (2004)</a>



**Zaha Hadid** was an Iraqi-British architect who became the first Arab woman to receive the prestigious Pritzker Architecture Prize. Known for her highly expressive designs marked by sweeping fluid forms of multiple perspective points, she was considered a pioneer in contemporary avant-garde architecture styles. Internationally renowned for her experimental styles and innovative designs, she was the mastermind behind the designs of the aquatic center for the London 2012 Olympics and the Broad Art Museum in the U.S., among others.

## CAREER

- Her brilliant career had its start in 1977 when she joined the ‘Office of Metropolitan Architecture’ and began teaching at the ‘Architectural Association’.
- In 1980, Hadid broke free and began her own practice in London. ‘Zaha Hadid Architects’ employs over 350 people today.
- Her first successfully built project was the ‘Vitra Fire Station’ in Weil am Rhein, Germany. The project lasted from 1989 to 1993. The building has since been turned into a museum.
- In her career as an educator she held the Sullivan Chair professorship at the University of Illinois at Chicago's School of Architecture in the 1990s.

## MAJOR WORKS

- In 2003, she completed the building of the 'Lois & Richard Rosenthal Center for Contemporary Art'. This was the first American museum designed by a woman and proclaimed the 'most important American building to be completed since the cold war' by the New York Times.
- In 2010, her Maxxi building design was awarded the Stirling Prize. The national museum is located in Rome and is said to be "a masterpiece fit to sit alongside Rome's ancient wonders," (The Guardian)

## AWARDS & ACHIEVEMENTS

- Hadid's personal list of achievements numbers over 100 prestigious awards and honors. She received her first award in 1982, the 'Gold Medal Architectural Design' for her British Architecture.
- In 2004, she became the first woman and one of the youngest recipients of the 'Pritzker Prize' for architecture. This award is commonly known throughout the world as architecture's highest honor.
- In 2012, Hadid was given the honor of 'Dame Commander of the Order of the British Empire'.
- In 2014, the Heydar Aliyev Cultural Centre, designed by her, won the Design Museum Design of the Year Award.

## PERSONAL LIFE & LEGACY

- Hadid never married nor had any children. She was entirely dedicated to her professional career. She broke many social stereotypes to emerge as a role model for Muslim women and opened up opportunities for women as well as Muslims to become architects.
- Zaha Hadid died of a heart attack in a Miami hospital on 31 March 2016. At the time of her death she was undergoing treatment for bronchitis.

## TRIVIA

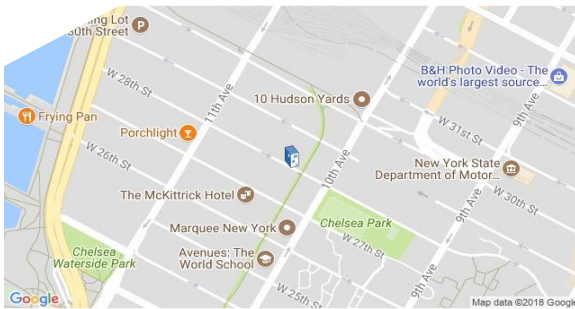
Before her fame as an architect, she had a successful teaching career at several institutions. These included the 'Harvard Graduate School of Design' and the 'University of Illinois' at 'Chicago's School of Architecture'.



## PROJECT LOCATION

**ADDRESS: 520 W 28TH ST, NEW YORK, NY 10001, UNITED STATES**

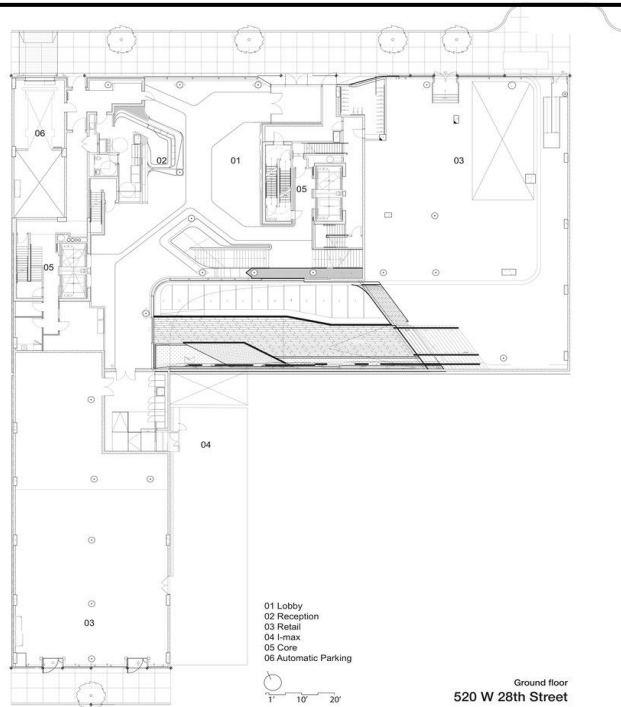
**LIGHTING DESIGNERS:** [OFFICE FOR VISUAL INTERACTION](#)



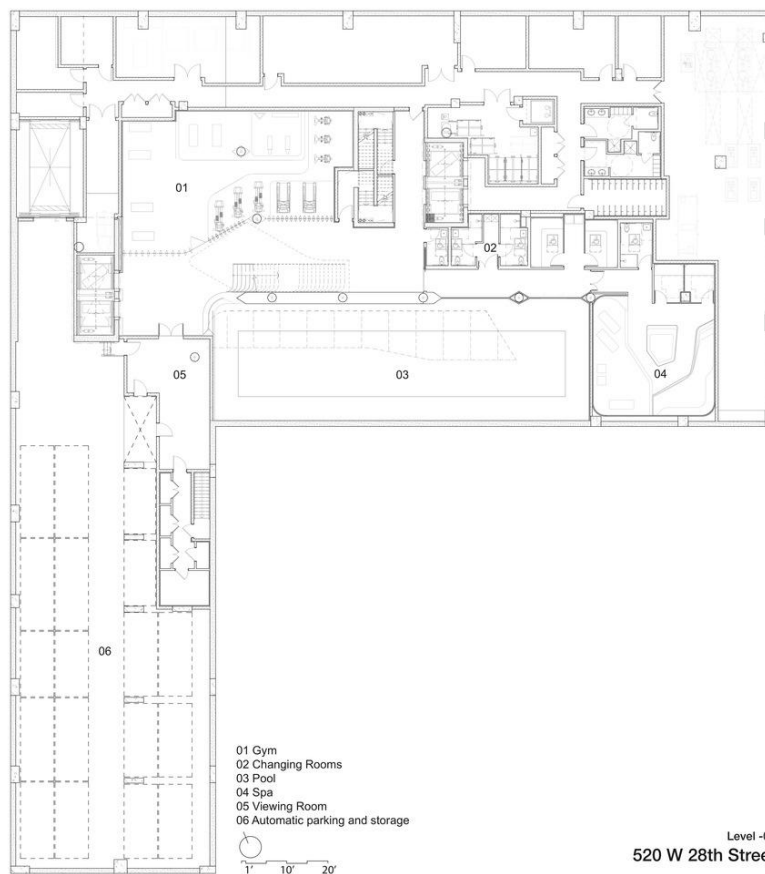
## DISCRIPTION

- impressive residential building found anywhere in NYC. The building was designed by Iraqi-British artist, designer, and award-winning architect Zaha Hadid, renowned for her visionary designs.
- The building's architecture is truly significant. If you like curves, this iconic building is characterized by sinuous turns and sleek lines that create a striking contrast with the surrounding buildings. The building features 39 luxurious, smart two-bedroom to four-bedroom residences spread over 11 floors, each designed with the highest standards of comfort and style.
- The Condominiums boasts an array of services and amenities that cater to the needs of its discerning residents. The building features a 24-hour doorman, and concierge service. Residents enjoy a private IMAX theater, an indoor/outdoor event suite which includes a terrace, a state-of-the-art fitness center, a saline system pool, a spa with sauna, steam room, whirlpool, cold plunge, massage beds, and waterfall showers, a screening room, and a residents' lounge. The building also offers private storage spaces and an on-site parking garage.
- Located in the heart of West Chelsea, the building is surrounded by cultural and educational institutions including the Whitney and the Rubin Museums, fine and casual dining, Hudson Yards and the Meatpacking District, world-renowned parks and the Hudson River. The High Line Park surrounds you and offers stunning views of the city and a range of art installations and outdoor events. The neighborhood is also home to the world-famous Chelsea Gallery District..
- The Condominium is an impressive and unique residential building designed by one of the most visionary architects of our time. Its premier location, interior and exterior architecture, world-class amenities and services combine to provide residents with the ultimate luxury living experience in one of Manhattan's most sought-after destinations.

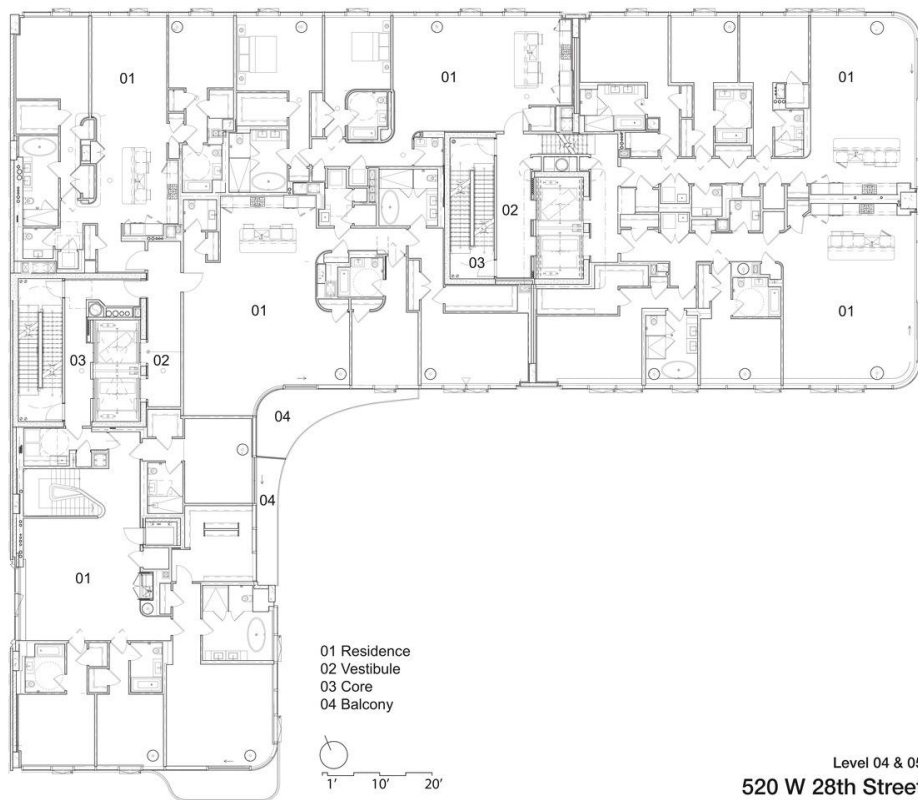




## GROUND FLOOR PLAN

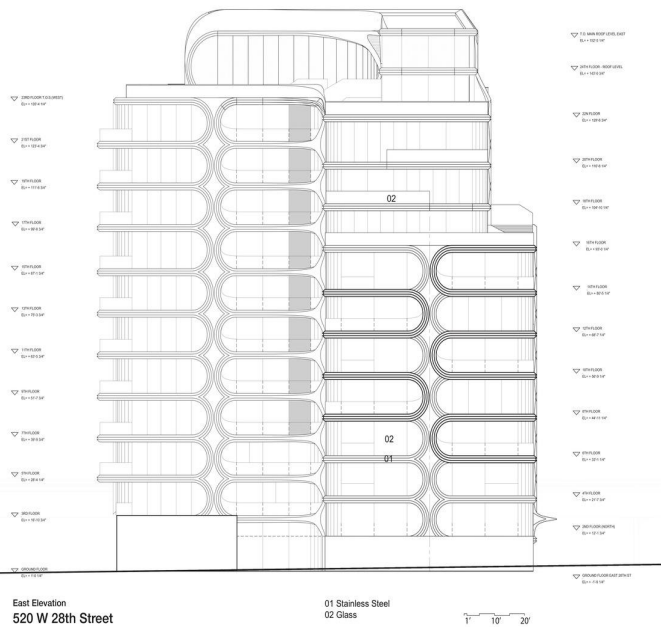


## LEVEL -01



**LEVEL -04,05**

Level 04 & 05  
520 W 28th Street

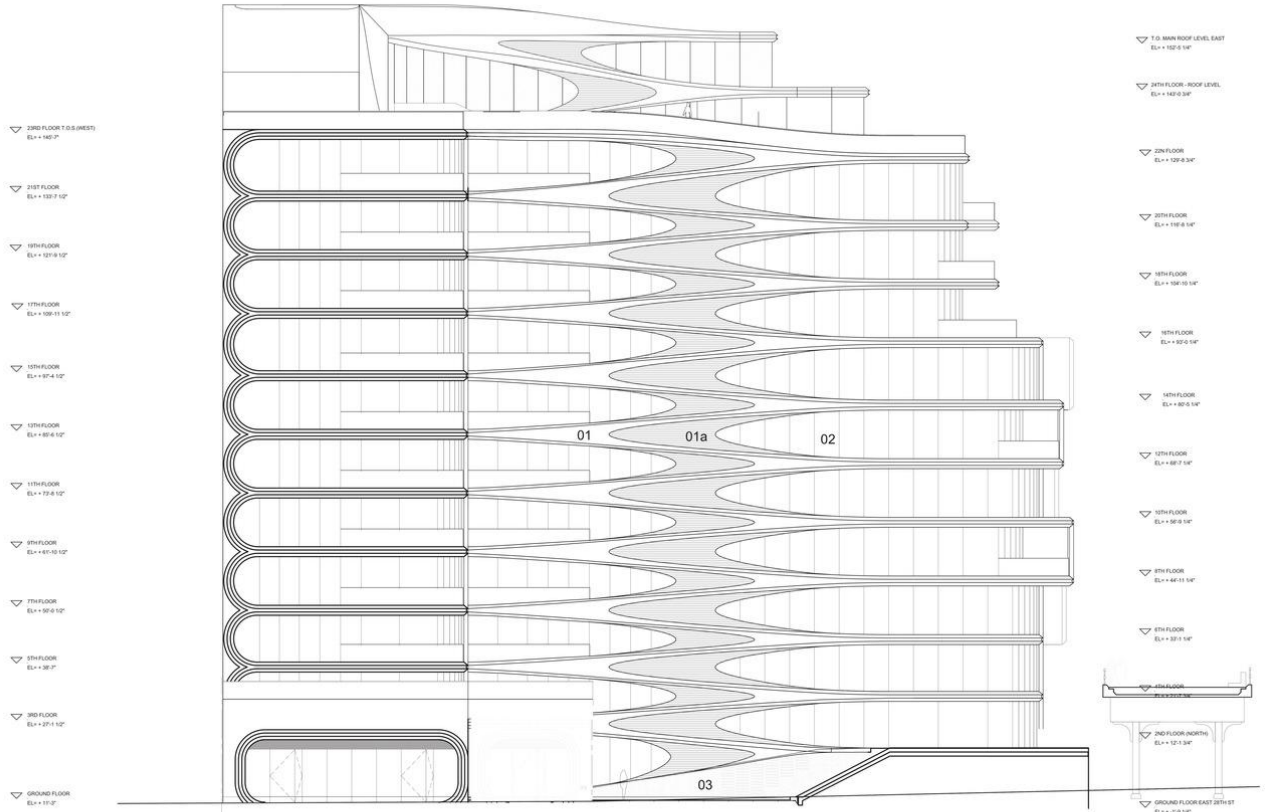


**EAST ELEVATION**



**EAST EXTERIOR VIEW**





South Elevation  
520 W 28th Street

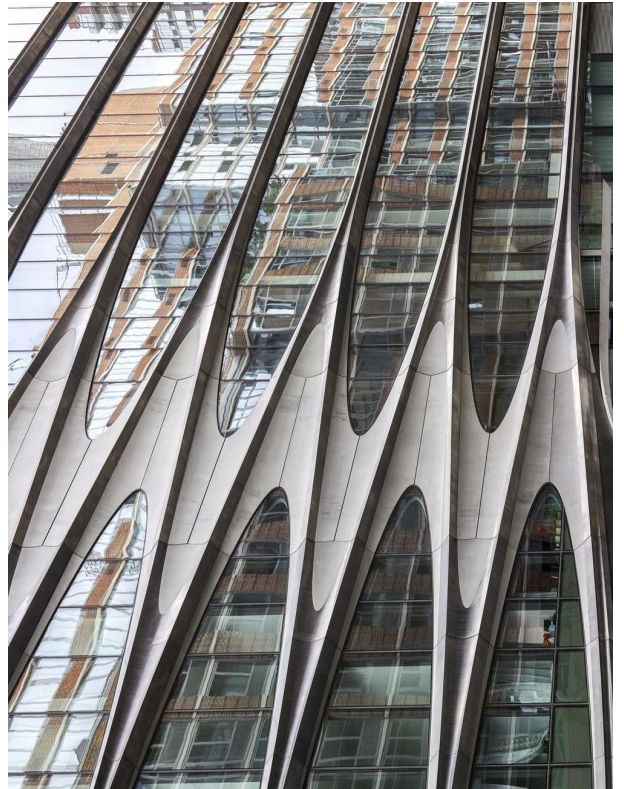
## SOUTH ELEVATION

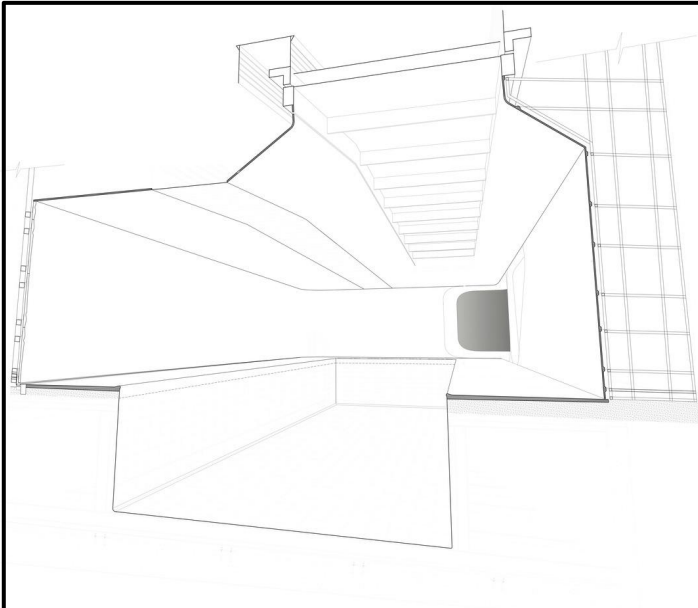
- 01 Stainless Steel -angel hair coloured
- 01a Stainless Steel -bead blast
- 02 Glass
- 03 Stone

1' 10' 20'



## SOUTH EXTERIOR VIEW



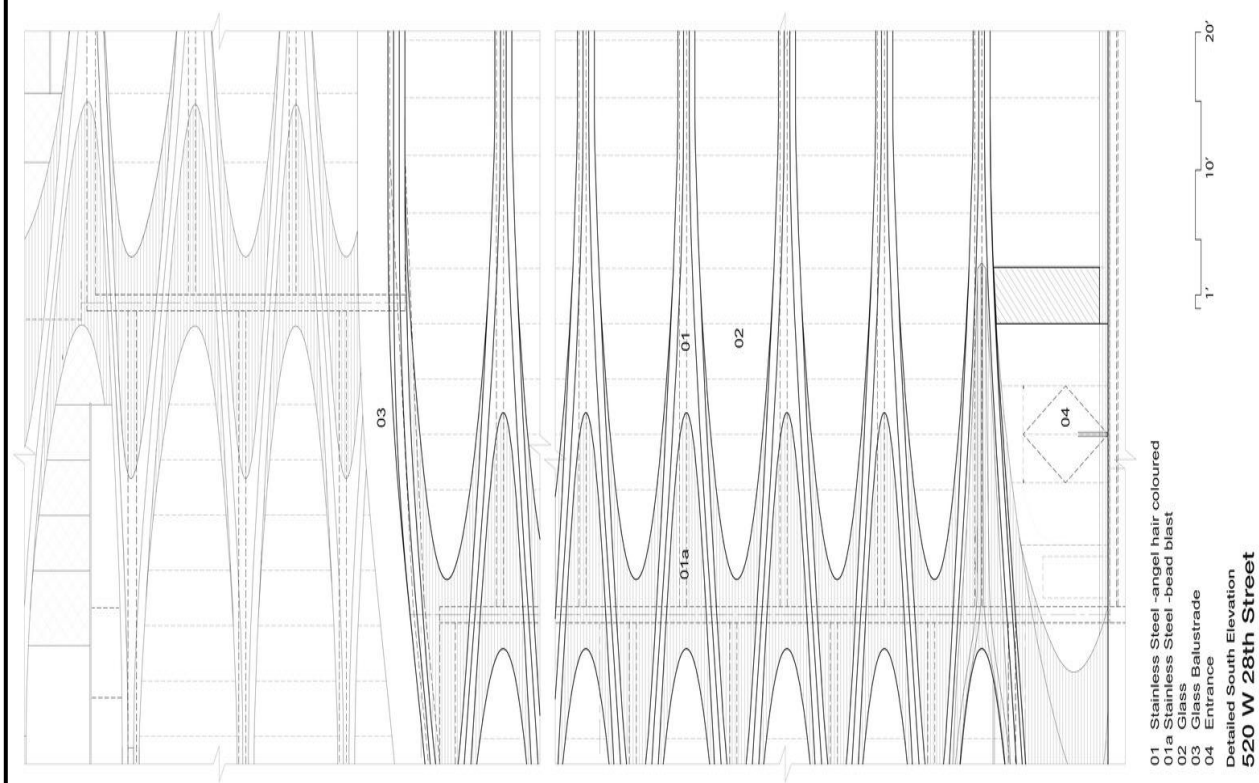


Amenity Pool Perspective  
520 W 28th Street

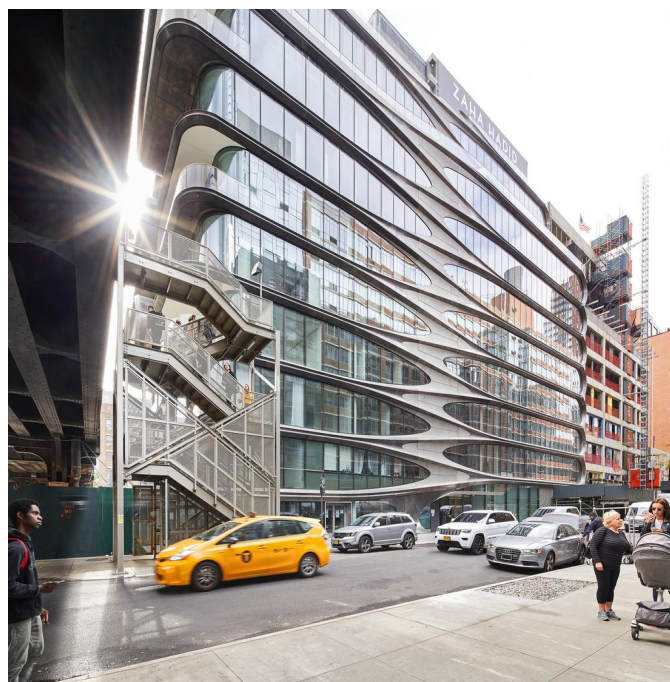
## AMENITY POOL PERSPECTIVE







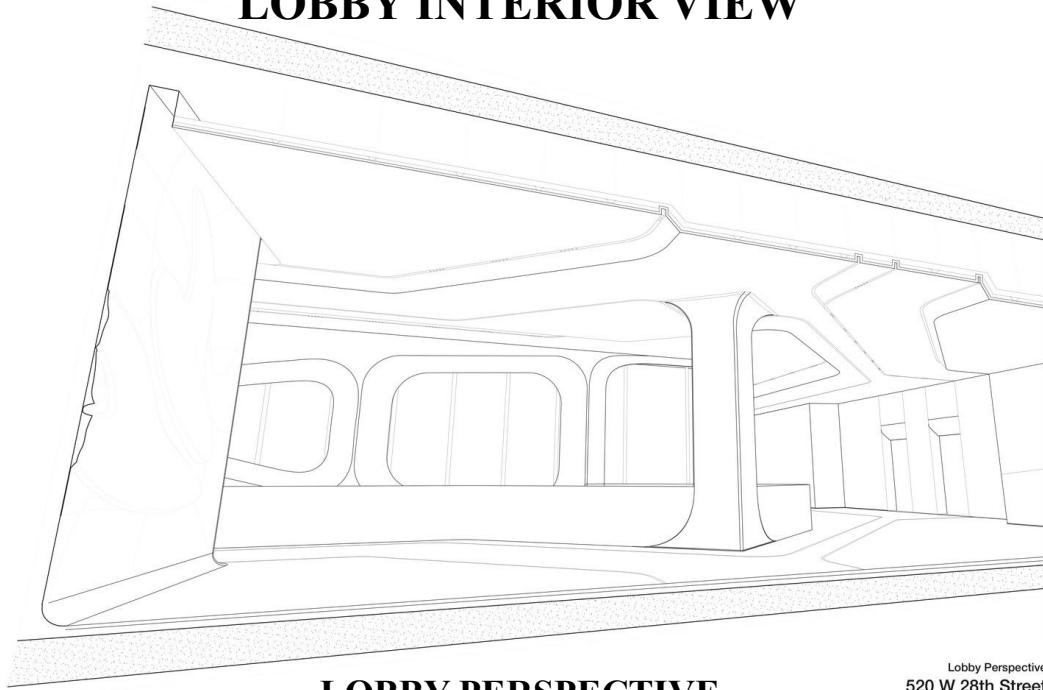
**SOUTH ELEVATION**



**SOUTH ELEVATION**

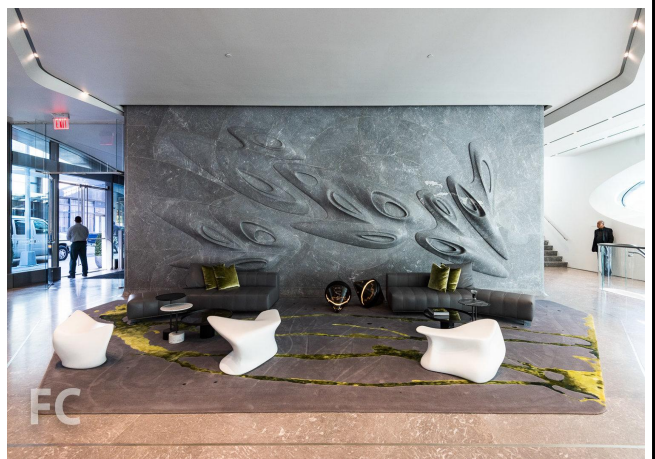


# LOBBY INTERIOR VIEW

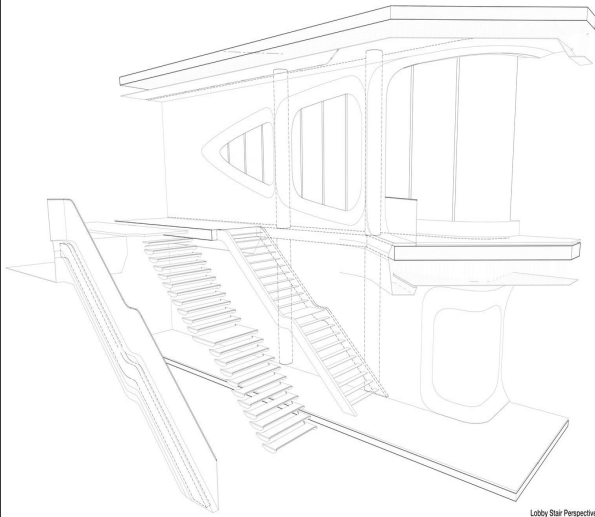


## LOBBY PERSPECTIVE VIEW

Lobby Perspective  
520 W 28th Street



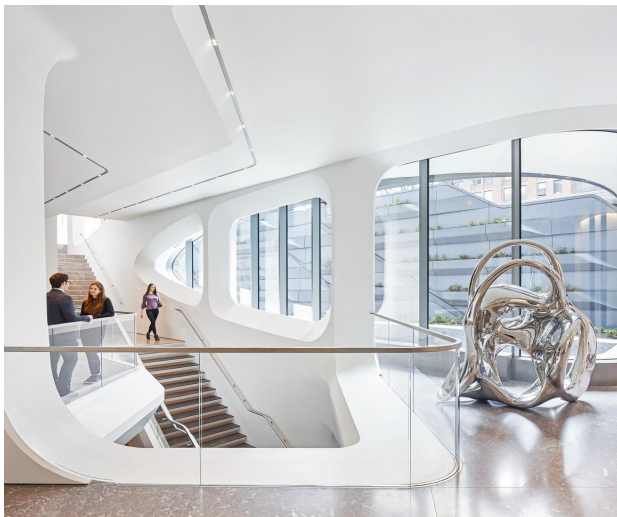
# STAIRCASE



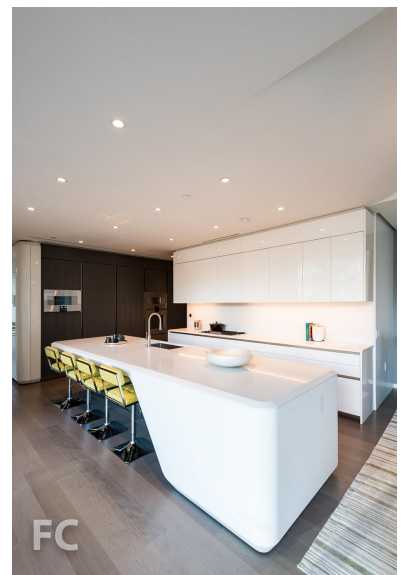
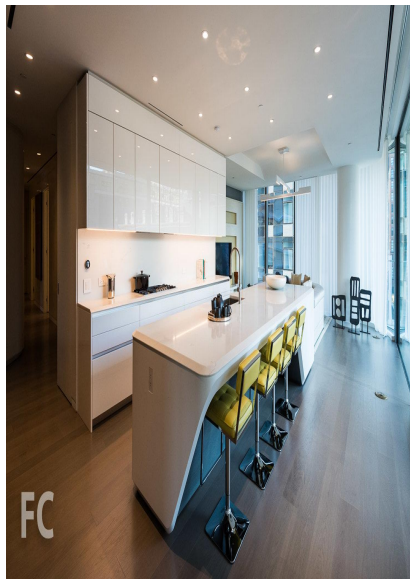
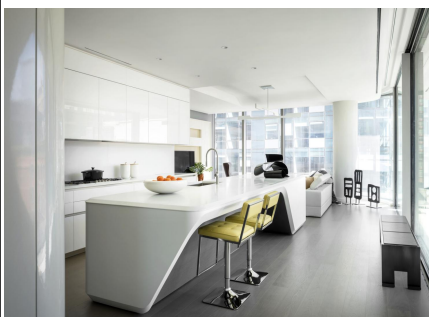
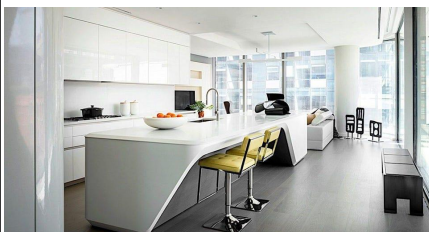
Lobby Stair Perspective  
520 W 28th Street



## LOBBY STAIRCASE PERSPECTIVE VIEW

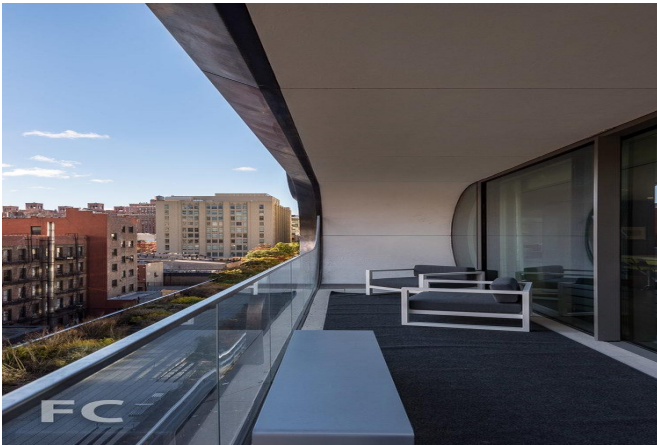


## KITCHEN





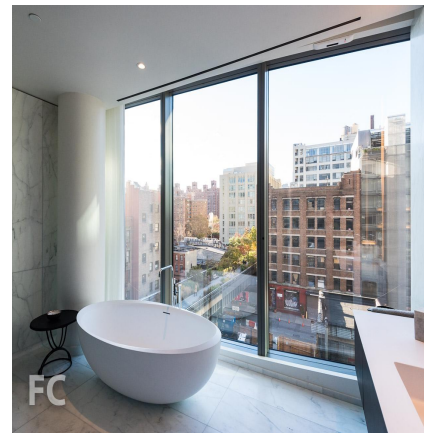
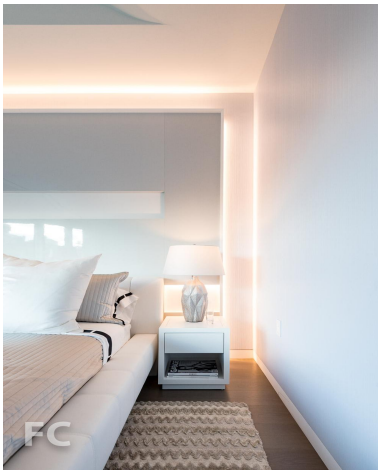
## BALCONY



Looking northeast along the High Line from the balcony.

- Enlarges the living space
- Spend time outdoors
- Great space for socializing
- Perfect place for a beverage or meal
- Good place to read or relax
- Extra storage room for bikes etc.
- Access to fresh air

## MASTER BEDROOM





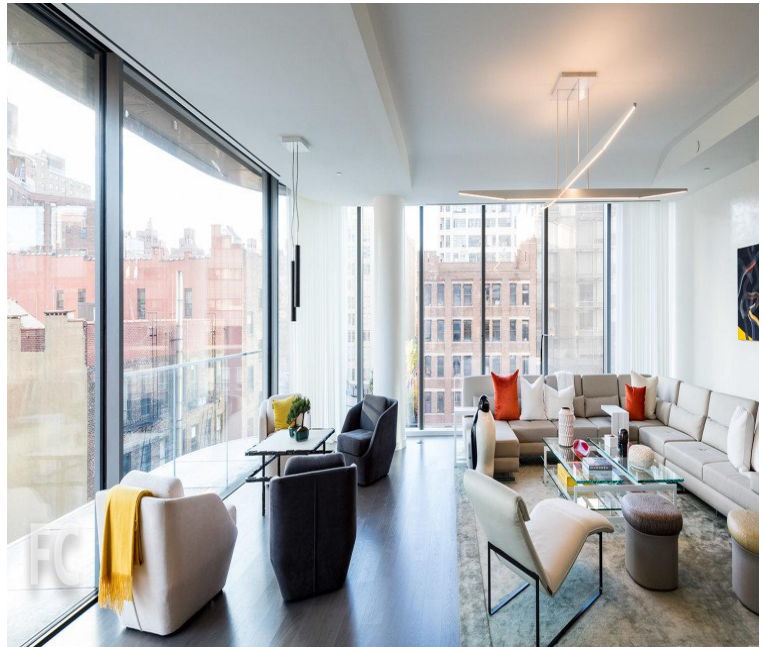
## BEDROOM



## GREAT ROOM



## FAMILY ROOM



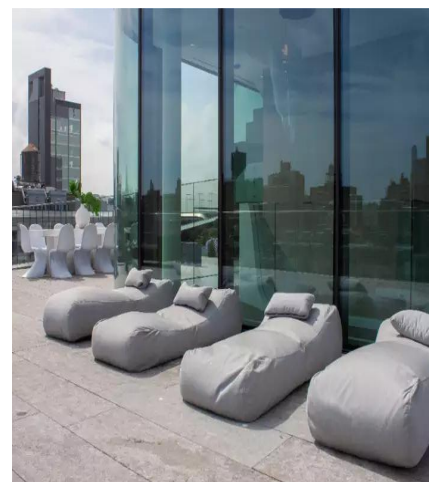
## GALLERY WITH GREAT ROOM BEYOND.



## VIEW SOUTH ALONG THE HIGH LINE FROM THE GREAT ROOM.

## MAIN ENTRANCE

## TERRACE

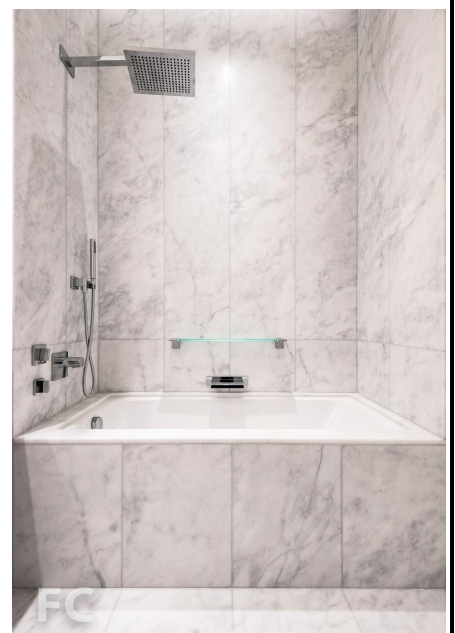
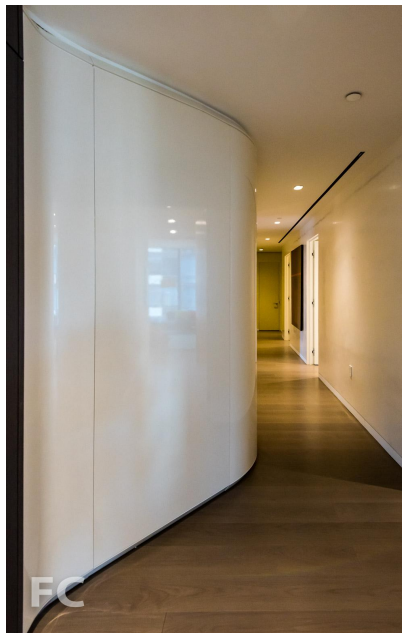




## LOUNGE



## SECONDARY BEDROOM



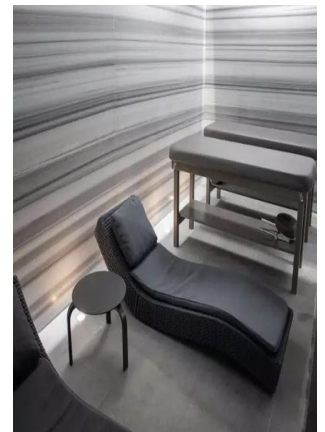
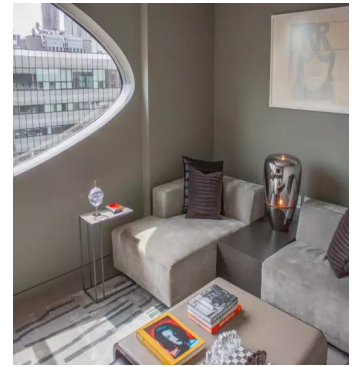
**HALLWAY LEADING  
TO THE SECONDARY  
BEDROOMS.**

**TUB IN THE SECONDARY  
BATHROOM.**

## THEATRE



## BEDROOM



## MESSAGE ROOM



# **CHAPTER -04**

## **CASE STUDY-01**

### **LAKE VIEW APARTMENT**

# LAKE VIEW APARTMENT

## INTRODUCTION ABOUT LUCKNOW

- Lucknow is the capital and the largest city of the **Indian state of Uttar Pradesh** and it is also the second largest urban agglomeration in U.P.
- Lucknow, the capital of **Uttar Pradesh** was founded by **Nawab Asaf-ud-Daula**. In the olden times, it served as the capital of the nawabs of Awadh and it is one of the reasons why it is also called as the **City of the Nawabs**.
- In ancient times, Lucknow was known as **Lakshmanpur or Lakhanpur**. Hazratganj known as **“The Heart of Lucknow”**.
- Lucknow is called **Pink City** because every building in **this city is painted by royal majestic terracotta pink**.
- Architecture of **lucknow is mostly Islamic in nature**. It is representative of **18th and 19th century Indian Architecture**.

## INTRODUCTION ABOUT SITE

**PROJECT BUILDING TYPE :- LUXURY APARTMENT**

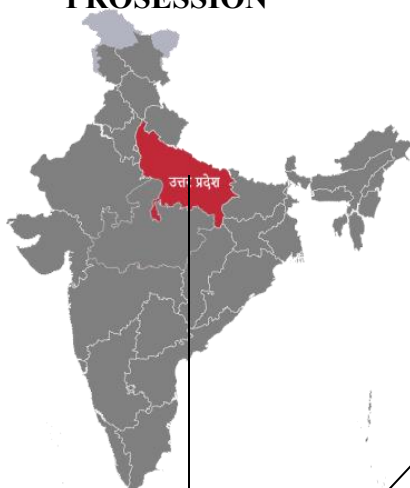
**NAME OF THE CLIENT :- ROYAL LAKE VIEW**

**LOCATION :- ELDECO UDYAN II, MOHANLALGANJ LKO.**

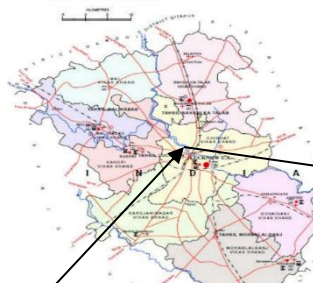
**CONSTRUCTION YEAR :- JANUARY, 2015**

**SITE AREA :- 1800 SQFT.**

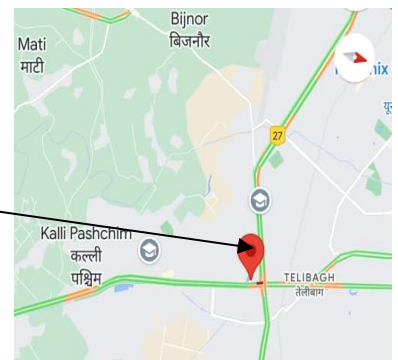
**PROSESSION :- READY TO MOVE**



**INDIA MAP**



**LUCKNOW MAP**



**UTTAR PRADESH MAP**



**FLOOR PLAN**

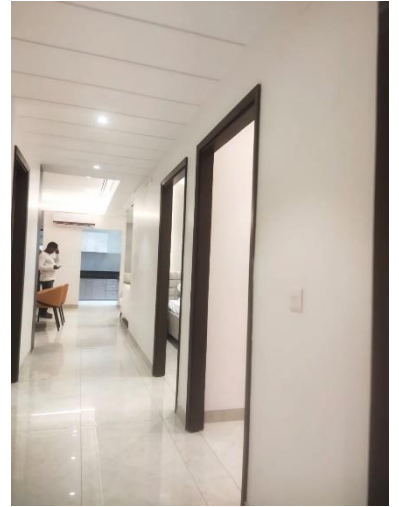
## MASTER BEDROOM



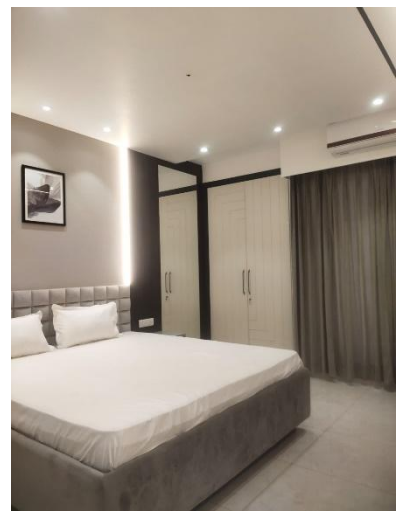
## MASTER BEDROOM TOILET



## PASSGE

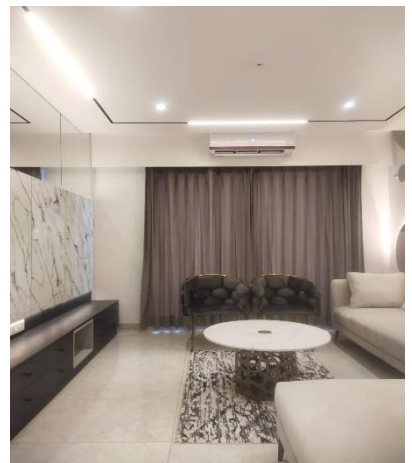


## BEDROOM

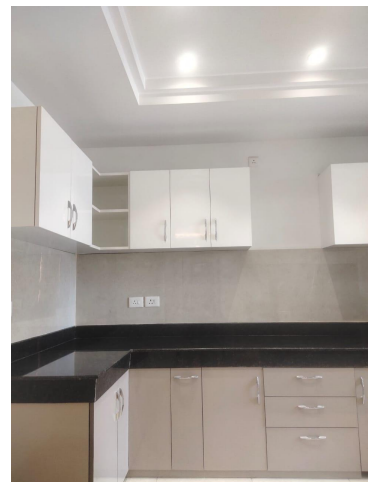




## DRAWING CUM DINING AREA



## KITCHEN



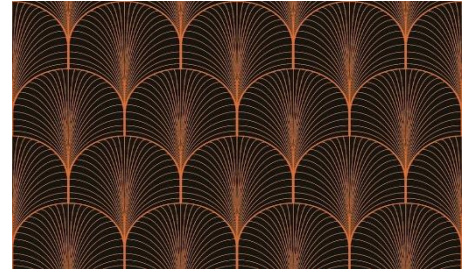
# **CHAPTER -05**

## **CONCEPT**

# THEME—ART DECO

## HISTORY OF ART DECO

- Art Deco was one of the most influential Western aesthetic movements of the twentieth century, particularly in France and the United States. Short for *arts décoratifs*, or decorative arts, Art Deco was named after the International Exhibition of Modern Decorative and Industrial Arts, which was held in Paris in 1925.
- Art Deco peaked in the Roaring Twenties, an era of significant economic growth and technological advancement—for the first time, electricity, cars, radios, and refrigerators became widely accessible, and everyone wanted a taste of opulence. The aviation industry took off. Movie theaters began to pop up, and by the late 1920s, films with sound were introduced.



Photography Courtesy of  
Shutterstock.

## THE RISE OF THE DECORATIVE ARTS

- The Art Deco movement reflected this shift, with a focus on the decorative arts rather than traditional art forms.
- Painting was neglected, but sculpture thrived, particularly bronze sculptures that reinterpreted figures from classical mythology, such as *Atlas* by Lee Lawrie and Rene Chambellan, which stands in the Rockefeller Plaza in New York.
- Another famous example is Paul Landowski's Christ the Redeemer, located on a mountain that overlooks Rio de Janeiro.
- These works displayed the power and grace of the human form with sleek, angular lines. Through Art Deco, sculpture also took on new territories. Many objects that previously weren't seen as ornamental became reimagined through design, like the elaborate car hood ornaments fabricated by jewelry designer and glassworker René Lalique.
- These objects, ranging from silverware to teapots to furniture, were designed as purely ornamental, valuable for their beauty rather than their practicality.



Paul Landowski's Christ the  
Redeemer in Rio de Janeiro.

# ART DECO CITIES

Art Deco was also incorporated into architecture, especially cinemas, theaters, banks, and hotels. Building façades were adorned with sculptural friezes and bas-reliefs showing modern depictions of classical gods, like on Chicago's Board of Trade Building and Sheridan Theater. Movie theaters were called "palaces," and got the royal treatment, with neon lights and luxurious, modern interiors and screening rooms. Art Deco also developed in tandem with new urban zoning laws that led to the construction of skyscrapers, perhaps the greatest manifestation of the era's man-over-nature, sky's-the-limit ambitions.

## ECLECTIC DESIGN SCHEMES

By the Great Depression and the beginning of World War II, the flashiness and luxury of Art Deco began to feel incongruous with people's lives, and designs began to take on a simpler, more austere aesthetic—one that would soon be dubbed modernism. But in the 1960s it experienced a resurgence, and again in the 1980s, another era of great technological advances and economic prosperity that made luxury stylish again. Today, we're most likely to see elements of Art Deco incorporated into more eclectic design schemes. It isn't typically used to make a grand statement, but rather to add an accent, a touch of glamour and sophistication.

## THE CHARACTERISTICS OF ART DECO DESIGN

Each of these factors distilled Art Deco design into a number of recognizable stylistic characteristics: -

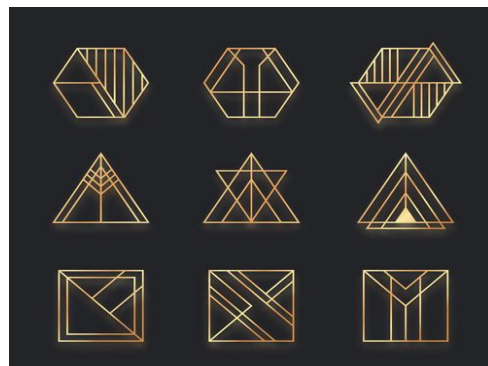
- Symmetry
- Layered shapes
- Intricate line art
- Rectilinear geometry
- Aerodynamic curves
- Metallic colors like gold and chrome
- Geometrical shapes
- Mouldings



Symmetry



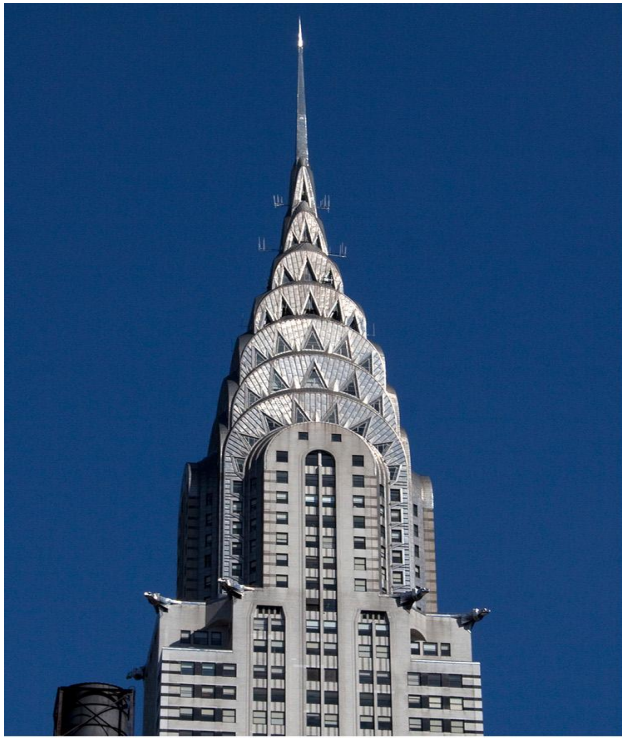
Mouldings



Geometrical shapes

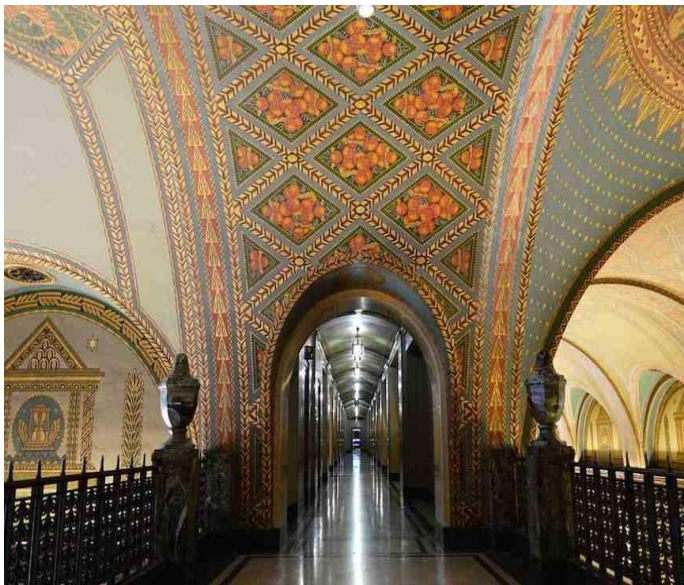


# INSPIRATION



THE CHRYSLER BUILDING

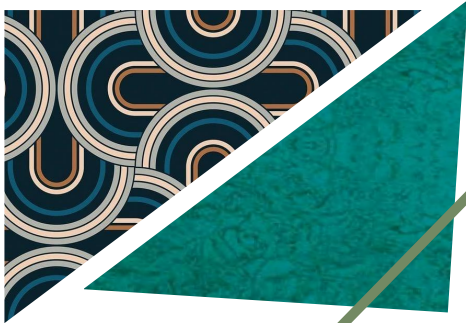
STAINED GLASS WINDOW





# THEME

## ART DECO



### ART DECO

Art Deco is a popular design style of the 1920s and '30s characterized especially by **sleek geometric** or **stylized forms** and by the use of **man-made materials**.

- Luxury, Wealth, Antitraditional Elegance, Sophisticated, Geometric Simple and Clean shapes
- With Expensive materials: Man-made (plastics, Bakelite, Streamlined look.

vita-glass), Natural (jade, silver, ivory) substances

Main color: Gold, Deep Brown, Cyan

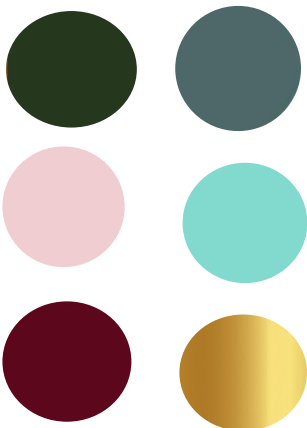
Features of this interior design style includes bold, flashy elements, geometric shapes and graphic patterns, polished chrome or brass, glossy timber finishings, glass and mirrors and layered sultry lighting.

BRASS

GOLD

LEATHER

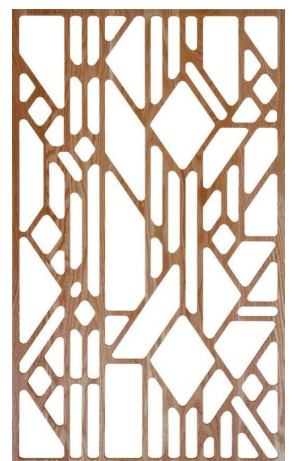
### COLORPALLATE



PATTERNCE



LIGHTS



PATTERNCE

MOOD BOARD



BACONY WALL  
CORNER DESIGN



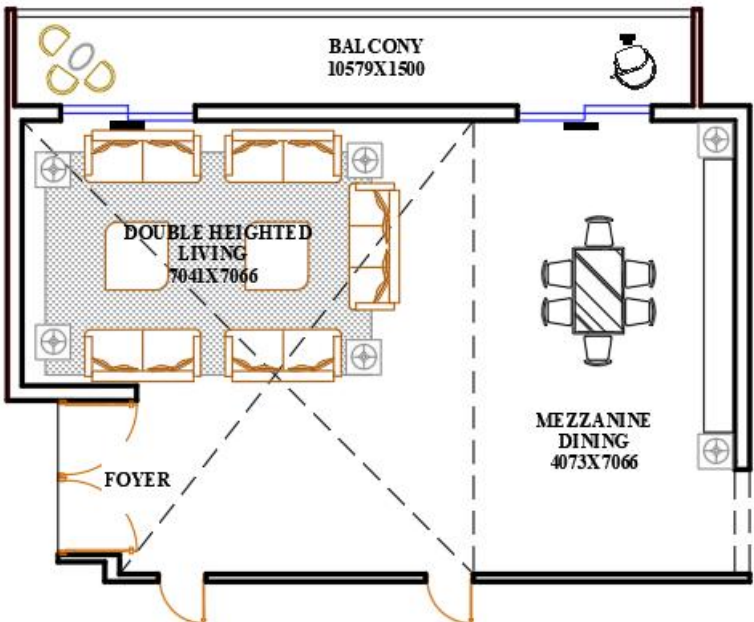
BACONY WALL



HANGING CHAIR



TV WALL



CHANDELIER



DINING CHAIR



SOFA



CHANDELIER



DINING TABLE



CENTER TABLE





# MOOD BOARD



TV UNIT



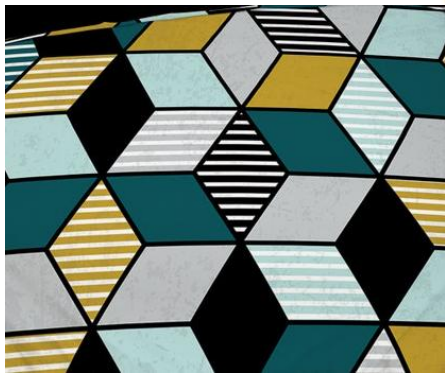
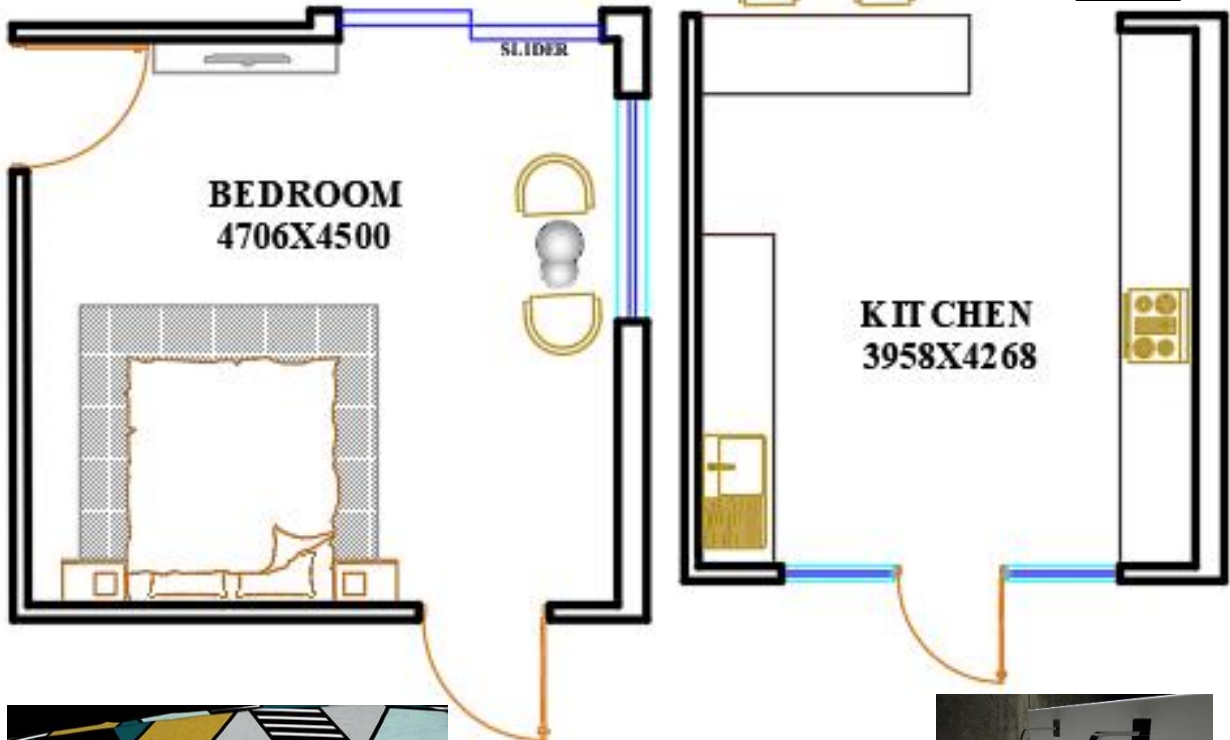
CHAIR



TABLE



HANGING LIGHT



BEDBACK DESIGN



CHANDLIER



BASIN



FLOORING



KITCHN WALL FLOORING



CURTAIN



KITCHN SITTING

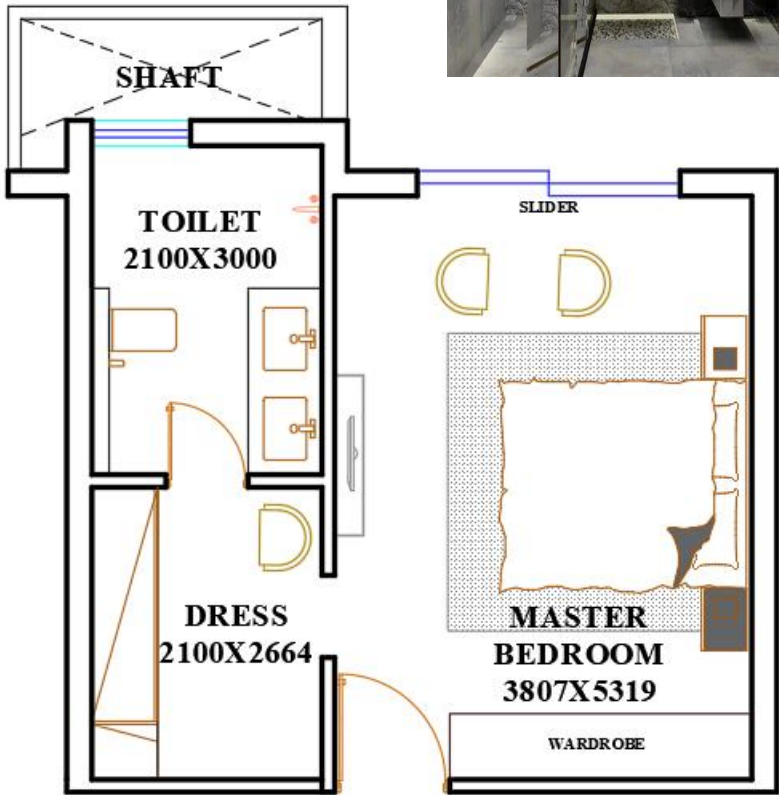


CHAIR

# MOOD BOARD



CURTAIN



CHAIR



BEDBACK  
DESIGN



W,C



BASIN



FLOORING

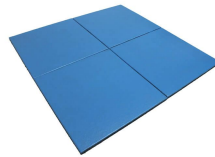
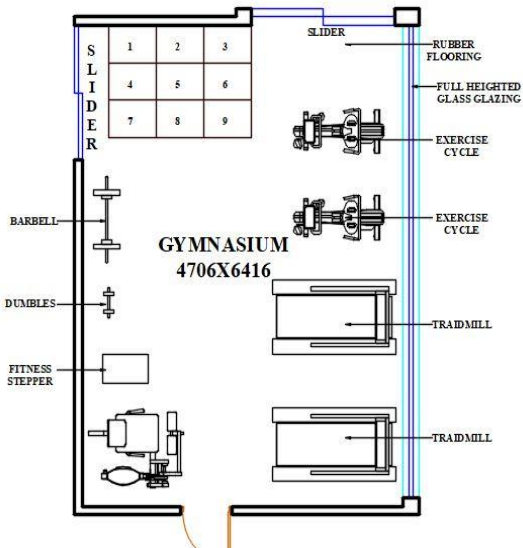


GYPSUM BOARD





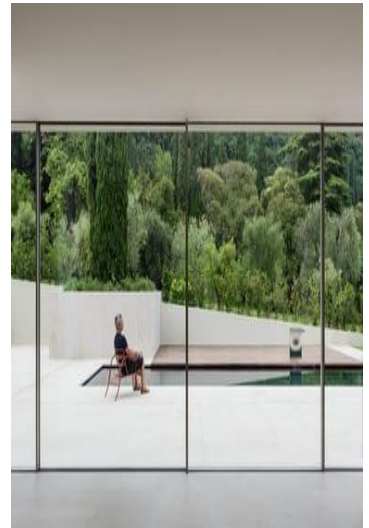
# MOOD BOARD



**RUBBER FLOORING**



**SLIDER**



**FULL HEIGHTED WINDOW**



**SITTING**



**WALL PANELING**



**RUBBER FLOORING**



**CHAIR**



**WALL PANELING**



# MOOD BOARD



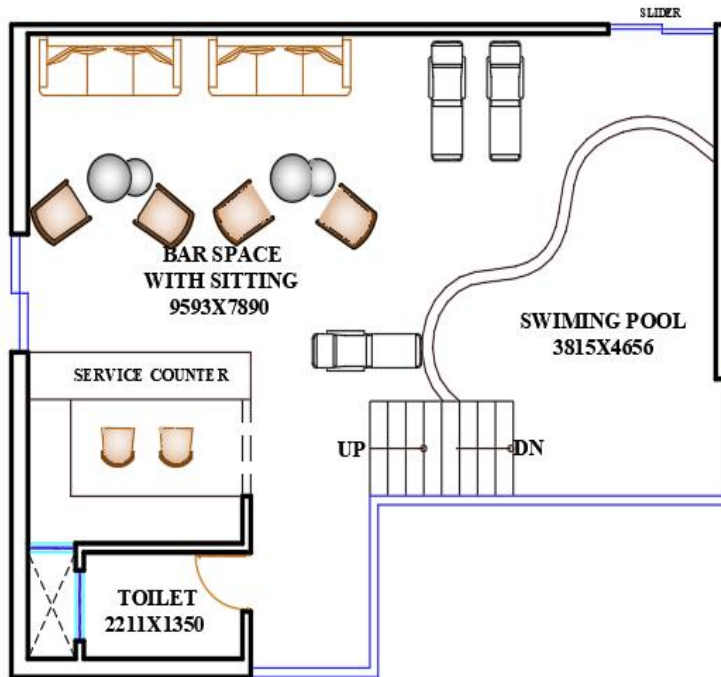
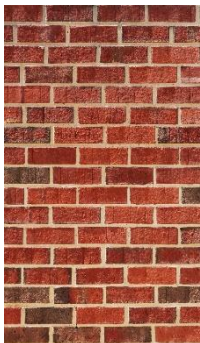
WOODEN  
BATTENS



SOFA



CHAIR



SLIDER



BAR COUNTER



GLASS  
RAILING



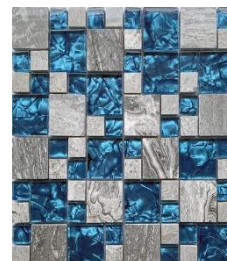
CHAIR



CHAIR



FLOORING

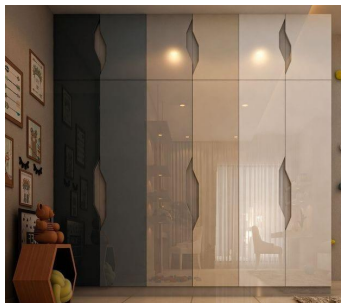


MOSAIC  
TILES

# MOOD BOARD



WALL MURAL



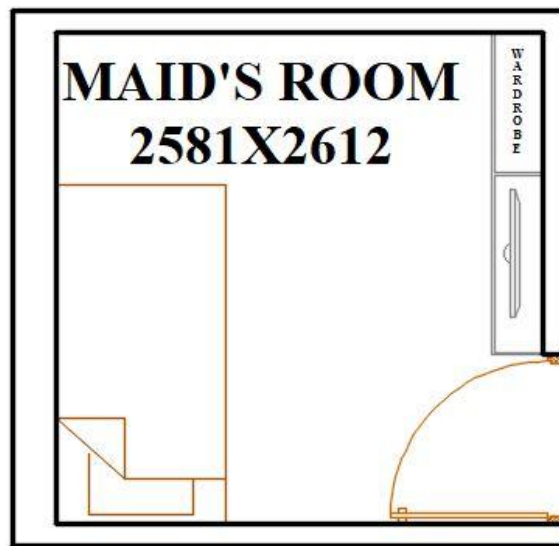
WARDROBE



TV UNIT



FLOORING



DOOR



BEDBACK WALL



CEILING



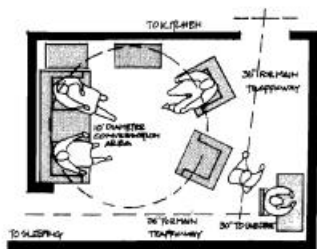
CHANDELIER

# **CHAPTER -06**

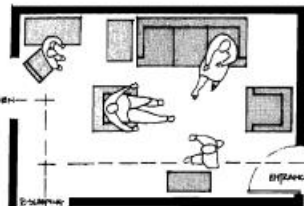
## **PENTHOUSE STANDARDS**



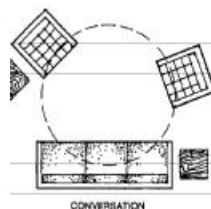
## LIVING ROOM LAYOUT



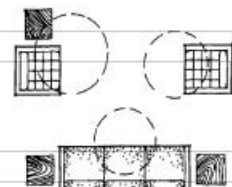
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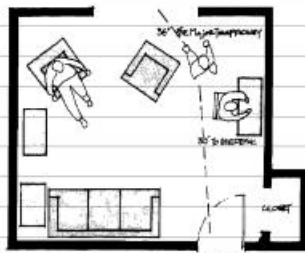
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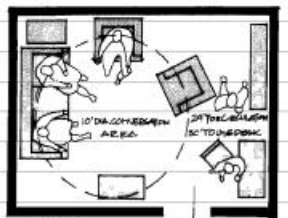
### CONVERSATION



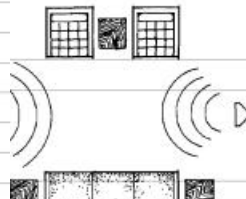
#### UNRELATED ACTIVITIES



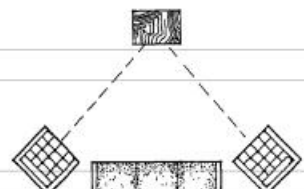
13



44



## LISTENING TO MUSIC



## WATCHING TELEVISION

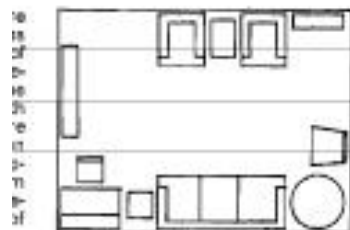
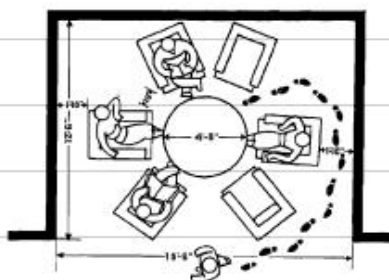


Fig. 1 Typical furniture arrangement for a one- or two-bedroom apartment (12.5 ft x 16 ft, 200 ft<sup>2</sup>).



**Fig. 5**

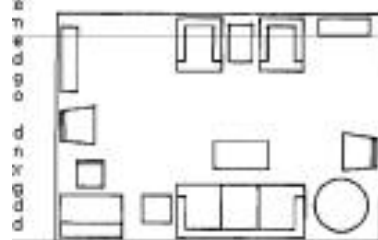


Fig. 2 Typical furniture arrangement for a three-bedroom apartment (12.6 ft x 26 ft, 299 ft<sup>2</sup>)

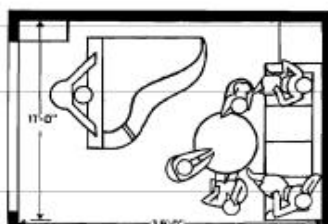


Fig. 6

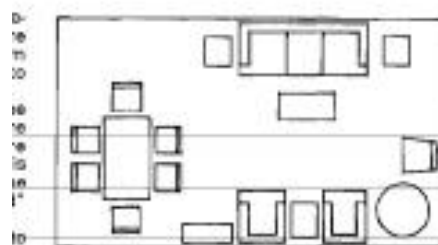


Fig. 3. Another typical furniture arrangement for a three-bedroom apartment (12.5 ft x 22 ft, 275 ft<sup>2</sup>).

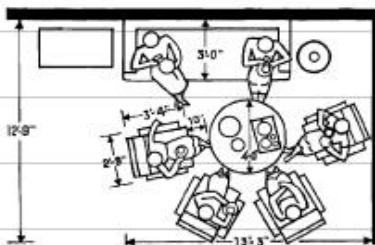


Fig. 7

### Residential Sector

## LIVING ROOMS

### Furniture Cleaners

Figures 6 to 10 show various groupings and related clearances. Figure 6 shows that a space 12'6" x 15'6" should be provided in order to accommodate seating for five around a 56-inch-diameter cocktail table. The piano, sofa, and cocktail table arrangement shown in Fig. 6 requires a space at least 11'0" x 16'0". Figure 7 suggests that a space at least 12'6" x 13'6" is required to accommodate a grouping to seat 6 or 7 persons, while Fig. 8 indicates that a corner arrangement for two requires a space at least 6'3" x 6'6".

It should be noted that these diagrams are not intended as models for complete living room layouts. They are intended only as guidelines to illustrate minimum clearances for preliminary planning purposes.

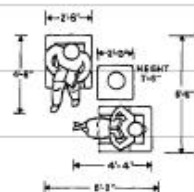


Fig. 8



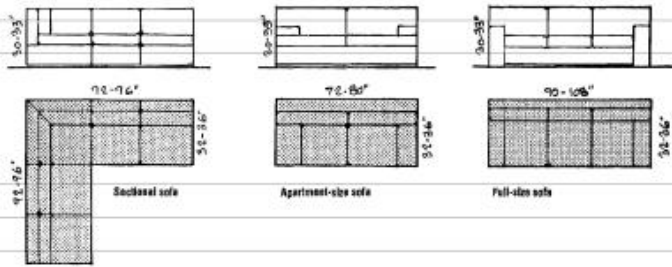
Fig. 9



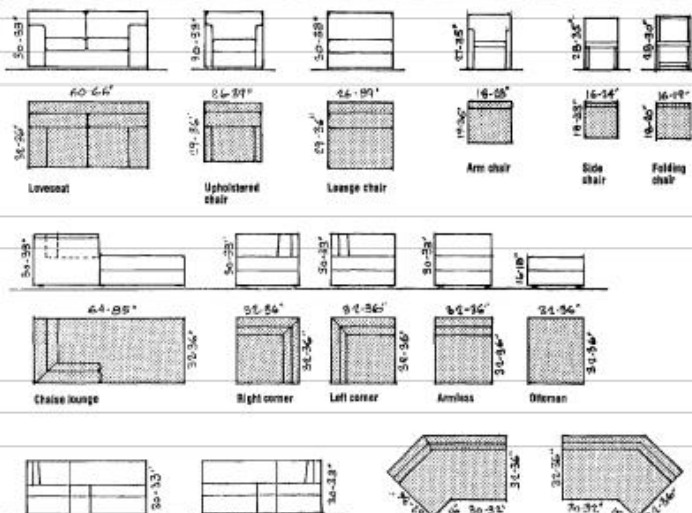
Fig. 1

# LIVING ROOM FURNITURES

## SOFAS



## LOVESEATS, LOUNGE CHAIRS, AND ARM CHAIRS



## Wing chairs, sofas, armchairs, stools



## Angled sectionals

40



Contemporary: straight arms, one-piece back, open base



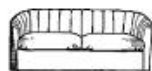
Traditional: roll arms, base-pile back, full skirt



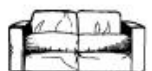
Contemporary: shaped arms, shaped plan



Contemporary: roll arms, fixed-cushion back, solid base



Contemporary: curved arms, fixed-cushion back, solid base



Contemporary: square arms, fixed-cushion back, solid base



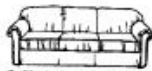
Contemporary: straight arms, one-piece back, open base



Contemporary: straight arms, one-piece back, open base



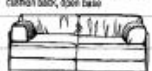
Contemporary: dome arms, loose-cushion back, solid base



Traditional: roll arms, fixed-cushion back

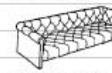


Contemporary: square arms, fixed-cushion back, open base

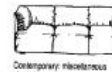


Contemporary: curved arms, fixed-cushion back, solid base

Contemporary: roll arms, fixed-cushion back, solid base



Traditional: roll arms, fixed back



Contemporary: miscellaneous shaped arms



Contemporary: shaped arms, one-piece back, solid base



Contemporary: square arms, fixed-cushion back, open base



Contemporary: square arms, fixed-cushion back, open base



Contemporary: square arms, fixed-cushion back, open base

Contemporary: curved arms, fixed-cushion back, solid base



Contemporary: curved arms, fixed-cushion back, solid base



Contemporary: roll arms, fixed-cushion back, solid base



Contemporary: square arms, fixed-cushion back, open base



Contemporary: square arms, fixed-cushion back, open base



Contemporary: square arms, fixed-cushion back, open base



Contemporary: square arms, fixed-cushion back, open base

Contemporary: curved arms, fixed-cushion back, solid base



Contemporary: curved arms, fixed-cushion back, solid base



Contemporary: roll arms, fixed-cushion back, solid base



Contemporary: square arms, fixed-cushion back, open base



Contemporary: square arms, fixed-cushion back, open base



Contemporary: square arms, fixed-cushion back, open base



Contemporary: square arms, fixed-cushion back, open base

# BEDROOM LAYOUT & FURNITURES



Fig. 1 (a), (b) Primary bedrooms; (c) primary bedroom without closet.

## FURNITURE CLEARANCES

To ensure adequate space for convenient use of furniture in the bedroom, not less than the following clearances should be observed (Figs. 4 and 5):

42 in. at one side or foot of bed for dressing

6 in. between side of bed and side of dresser or chest

## FURNITURE ARRANGEMENTS

The location of doors and windows should permit alternate furniture arrangements.

30 inches in front of dresser, chest, and chest of drawers

24 in. for major circulation path (door to closet, etc.)

22 in. on one side of bed for circulation

12 in. on both sides of double bed

The headboard side of a single or twin bed can be placed against the wall, except in bedrooms for the elderly.

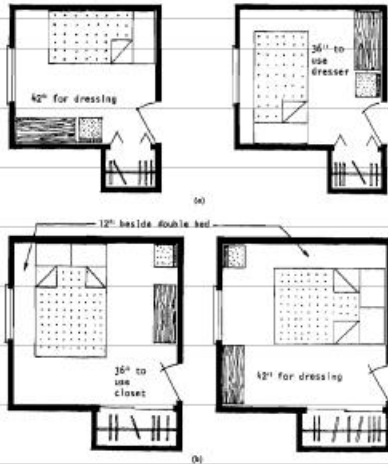


Fig. 1

Fig. 2

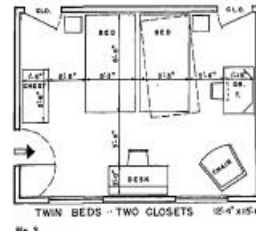
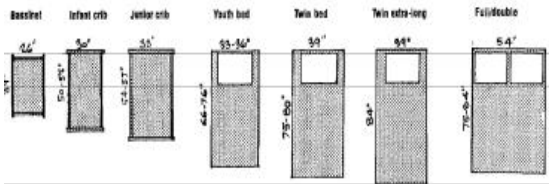


Fig. 3

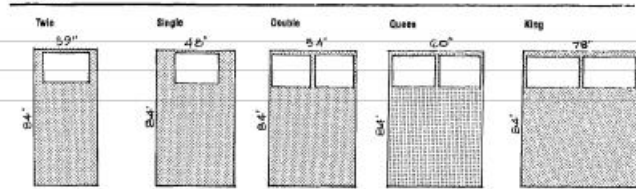


## Residential Spaces

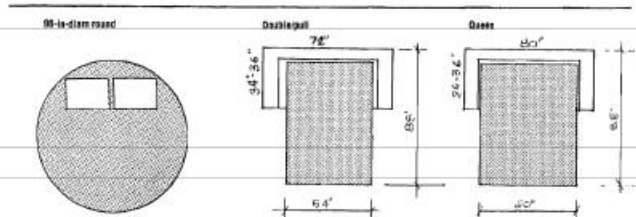
### FURNITURE DIMENSIONS

Waterbeds, Sofa Beds/Convertible Sofas, and Wall Beds

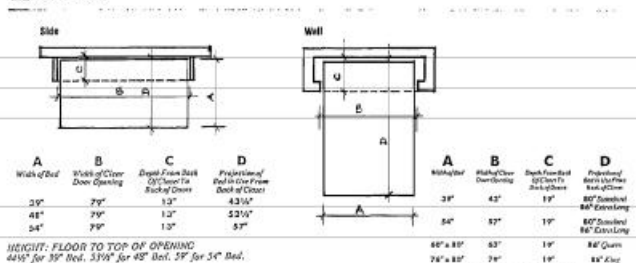
## WATERBEDS



## SOFA BEDS/CONVERTIBLE SOFAS



## WALL AND SIDE BEDS



HEIGHT: FLOOR TO TOP OF OPENING  
44 1/2" for 39" Bed, 51 1/2" for 49" Bed, 59" for 54" Bed.

HEIGHT: FLOOR TO TOP OF OPENING  
80" - for 39" and 54" Bed of Standard 15" Length  
84" - for Queen, King and Extra Long  
88" - for King

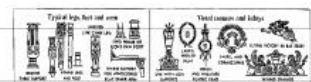
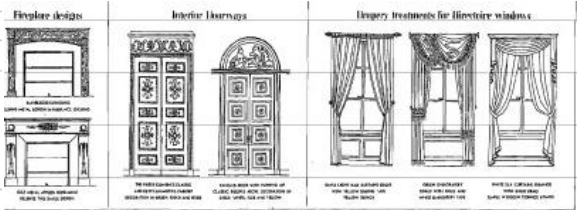


Fig. 5 (Continued)



# BATHROOM FURNITURES

Typical Plans and Fixture Arrangements

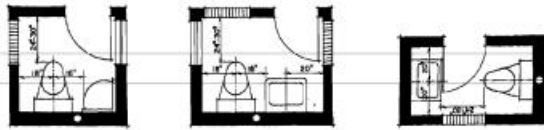


Fig. 3 Two-fixture plans: water closet and washbasin.

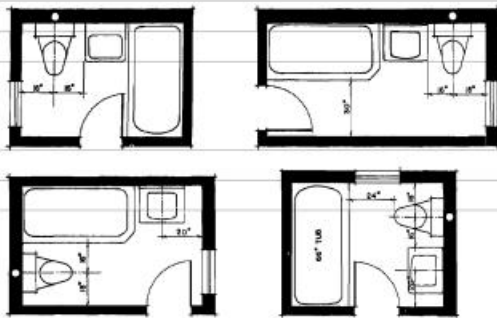


Fig. 4 Three-fixture plans: water closet, washbasin and tub.

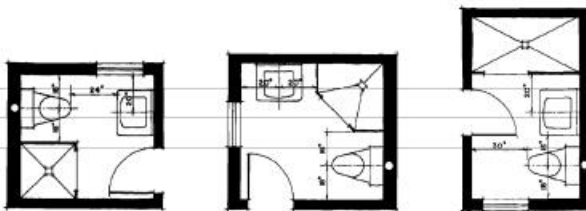


Fig. 5 Two- and three-fixture plans: water closet, washbasin, and tub.

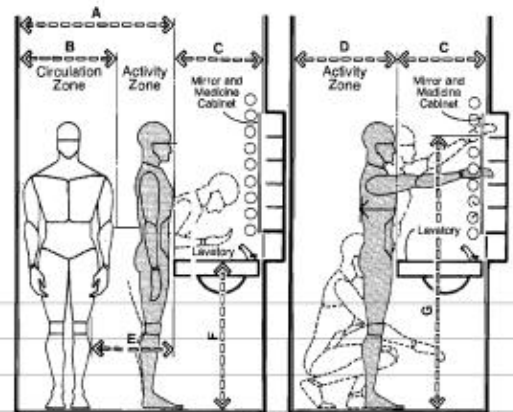


Fig. 1 Lavatory: male anthropometric considerations.

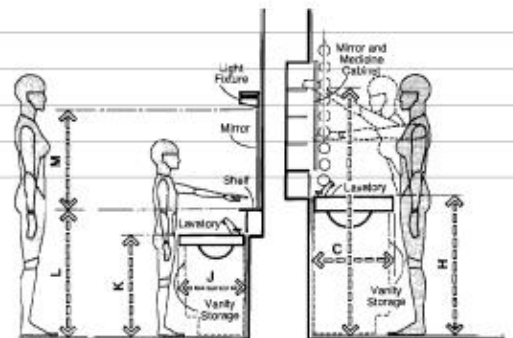
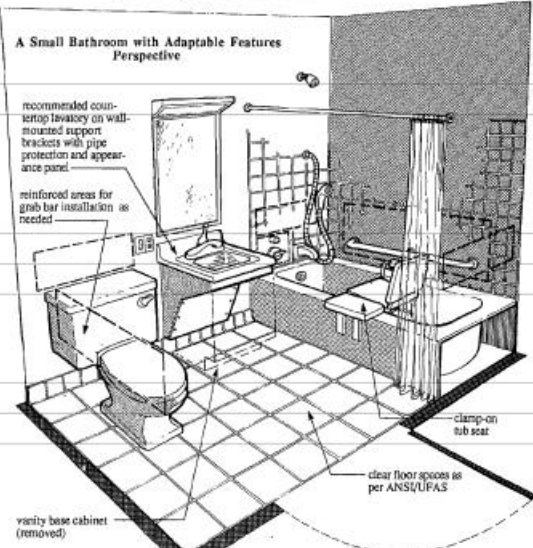
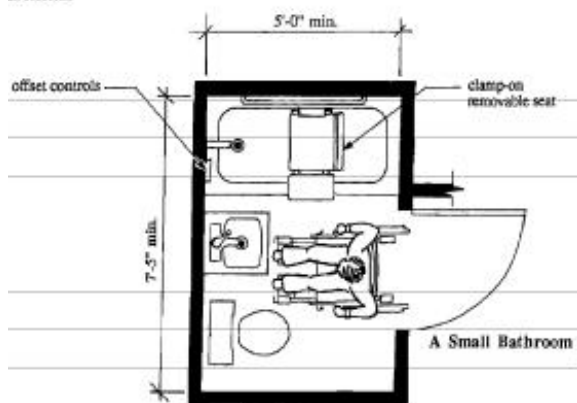
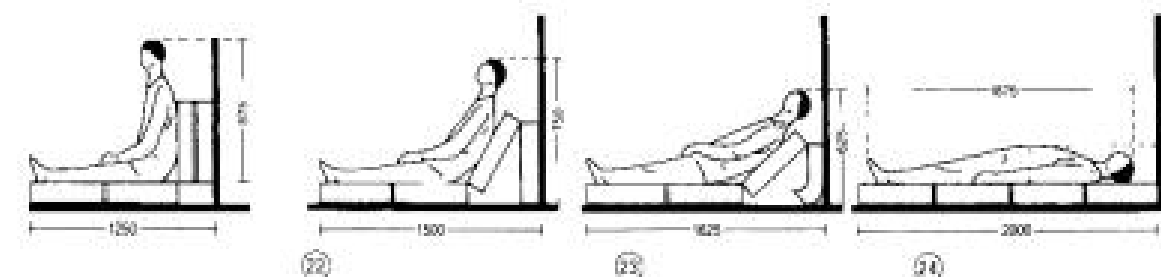
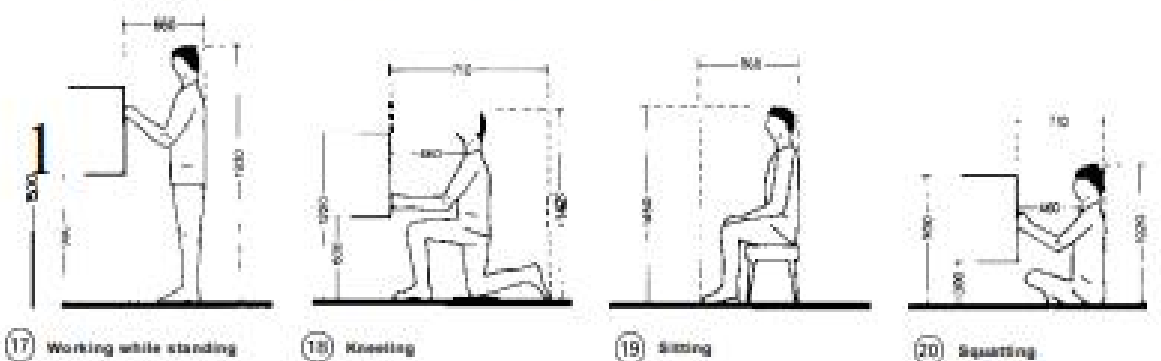
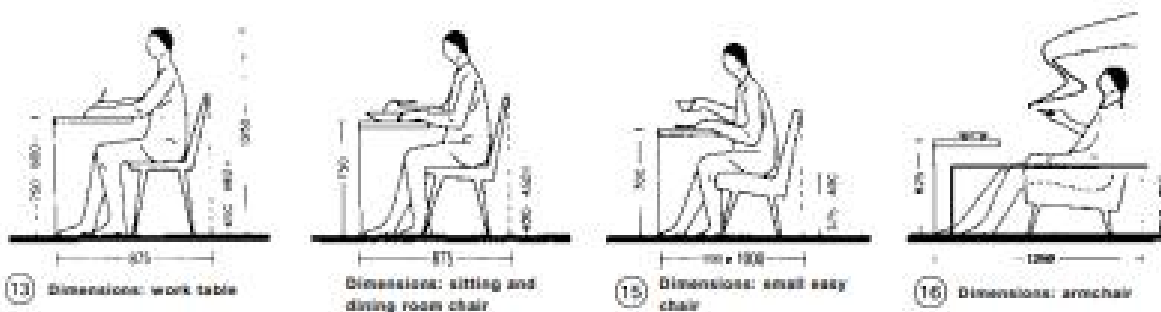
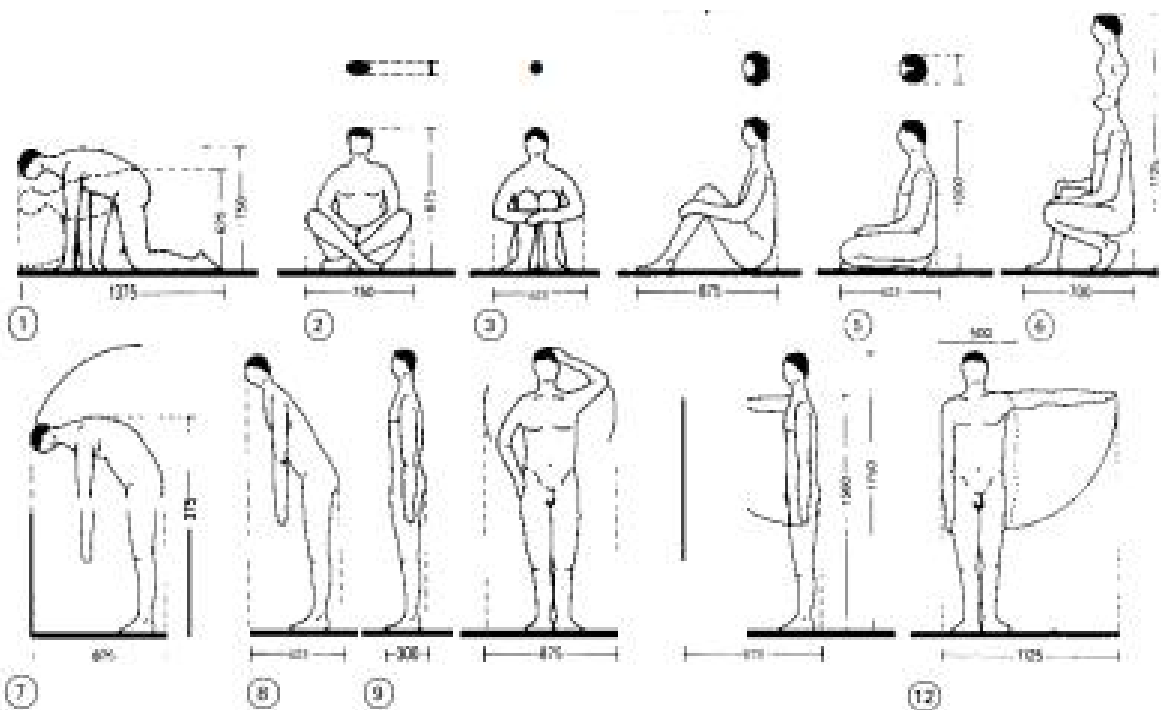


Fig. 2 Lavatory: female and child anthropometric considerations.

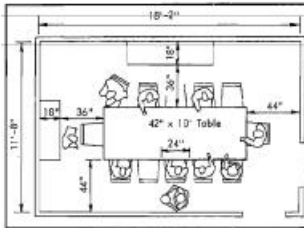
## in Bathrooms



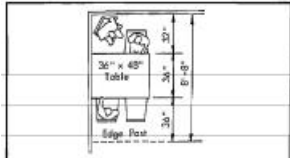
# ACTIVITIES



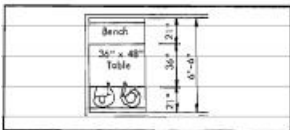
# DINING LAYOUT & FURNITURES



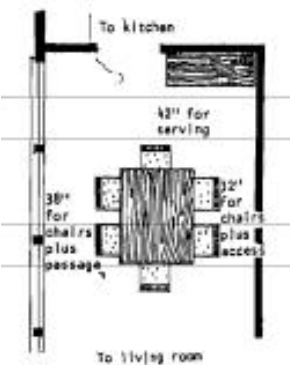
**A dining room for 12.**  
A bench or buffet is typically about 18" deep. A 42" wide table is common. There is space behind the chairs to step past one side and one end, and to walk past on the other side and end. Table space is 24" per person, the minimum place setting zone. With arm chairs at the ends, allow an extra 2" for each, add 4" to the room length.



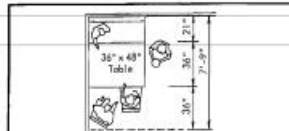
**Minimum width for table and chairs.**  
8'-0" for 36" wide table, 32" or one side to rise from the table and 36" on the other side to edge past. A 48" long table seats 4 and requires 34.6 ft.



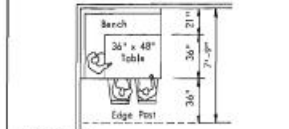
**Round tables.**  
A 36" round table with four swivel chairs fits in a 5'-10"x5'-10" or 34 ft corner space.



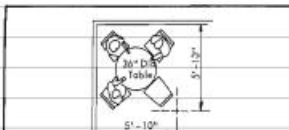
**Dining space with benches.**  
8'-0" for benches on both sides of a 36" table. A 48" long table seats 4 and requires 36 ft.



**Bench on one side.**  
7'-0" for a bench on one side and chairs on the other. Seating for four requires 57 ft.

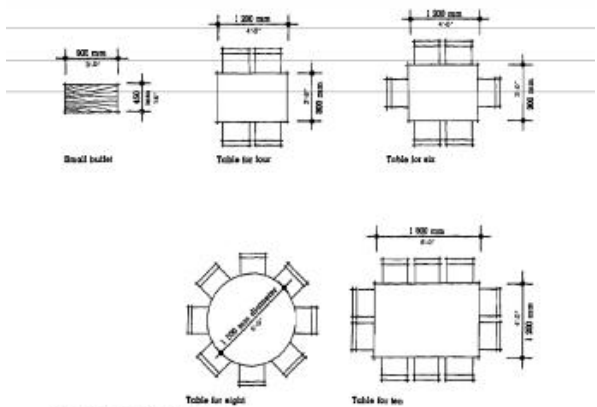


**Corner bench.**  
Benches on one side and one end, and two chairs on the other side, seat four at a 36" table in 44.5 ft.



**Bench and chair dining.**  
A 36" round table with four swivel chairs fits in a 5'-10"x5'-10" or 34 ft corner space.

Figures 8 and 9 show clearances and room sizes for various dining arrangements. Since these data come from two sources, there may be slight disparities in suggested dimensions for similar conditions. Since these illustrations are intended only as guidelines for preliminary planning purposes, either set of any differing dimensions can be used.





# KITCHEN LAYOUT & FURNITURES

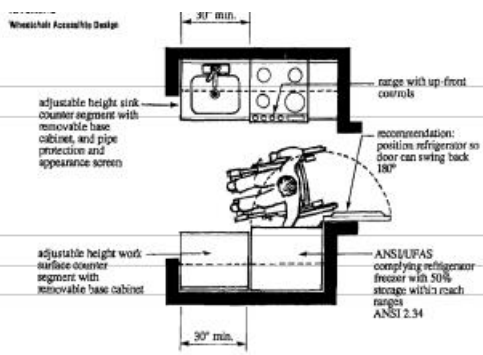


Fig. 15. A small kitchen with adaptable features plan.

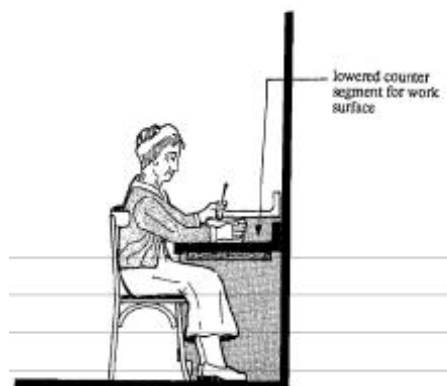
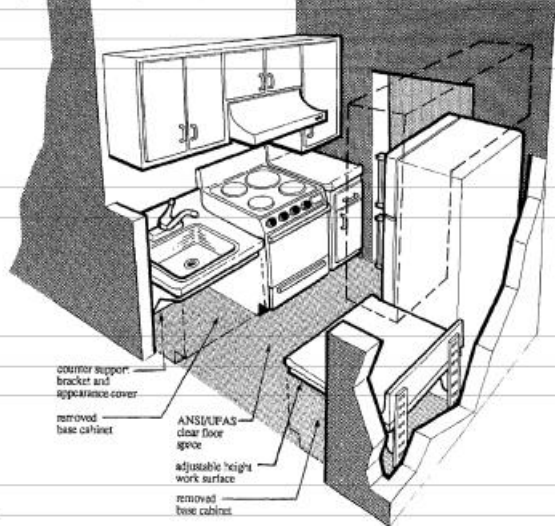
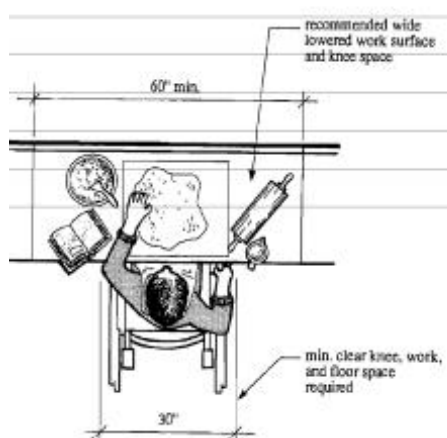


Fig. 16. Seated person at lowered work surface.



## Residential Spaces

### FURNITURE DIMENSIONS

20th Century Classic Chairs



#### MOLDED FIBERGLAS CHAIR

DESIGNER:  
Charles Eames  
YEAR: 1949  
MANUFACTURER:  
Herman Miller  
DIMENSIONS:  
26"W x 25 1/4"D x 31 1/4"H

# THEATRE CHAIR



# **CHAPTER -07**

## **BIBLIOGRAPHY**



## BIBLIOGRAPHY

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# **CHAPTER -08**

## **DESIGN DEVELOPMENT**