## THESIS REPORT

ON

# MUGHAL STYLE RESIDENCE, LUCKNOW

ATHESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF:

## BACHELOR OF INTERIOR DESIGN BY

(AISHA JAVED)

(ROLLNO. 1190107001)

THESIS GUIDE (PROF. SHELESH YADAV)

**SESSION 2022-23** 

TO THE
SCHOOLOFARCHITECTURE AND PLANNING
BABU BANARASI DAS UNIVERSITY
LUCKNOW.

CERTIF	TICATE
NAME OF STUDENT: AISHA JAVE	<b>CD</b> , ROLL NO.: <b>1190107001</b>
DEPARTMENT:	
THESIS TITLE: MUGHAI	L STYLE RESIDENCE
THESIS GUIDE: AR. SHELESH YADAV	
REMARKS: SATISFACTORY / NOT SATISF	FACTORY (IN CASE OF NOT
SATISFACTORY GIVE COMMENTS):	
SIGN OF THESIS GUIDE	SIGN OF EXTERNAL EXAMINER 1
SIGN OF THESIS GUIDE	SIGN OF EATERNAL EAAMINER I
THESIS COORDINATOR	SIGN OF EXTERNAL EXAMINER 2
SIGN OF HEAD OF DEPARTMENT	SIGN OF DEAN OF SCHOOL
SIGN OF THE ID OF BEHAVIOR	SIGIT OF BEHILVOY SOLITORE

## **ACKNOWLEDGEMENT**

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

I am making this project not only for marks but to also increase my knowledge.

THANKS AGAIN TO ALL WHO HELPED ME.

# BABU BANARASI DAS UNIVERSITY, LUCKNOW certificate of thesis submission for evaluation

Name : AISHA JAVED
 Roll No. : 1190107001

3. Thesis title: MUGHAL STYLE RESIDENCE

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 Guide (Signature of the Candidate)

PROF. SHELESH YADAV Name: AISHA JAVED

BBDU, Lucknow ROLL No.: 1190107001

## TABLE OF CONTENT

S.NO.	TITLE	PAGE NO.
1.	INTRODUCTION	7-15
2.	SYNOPSIS  1. HISTORY AND BACKGROUND  2. INTERIOR FEATURE  3. NEED OF THIS TOPIC  4. ABOUT MY DESIGN & CONCEPT  5. SCOPE & LIMITATION  6. AIM  7. OBJECTIVE  8. METHOLOGY	16-19
3.	SITE ANALYSIS  1. INTRODUCTION  2. LOCATION  3. SITE PLAN  4. AREA ANALYSIS  5. SWOT ANALYSIS  6. CLIMATE	20-25
4.	LITERATURE STUDY	26-36
5.	CASE STUDY	37-46
6.	CONCEPT	47-54
7.	STANDERD'S	55-56

8.	DRAWINGS DEVELOPMENT DRAWING AND 3D MOOD AND MATERIAL SPACIFICATION DETAILS	57-68
	DETAILS	
7.	DRAWINGS 1. FURNITURE LAYOUT PLAN	69-72
	2. WORKING DRAWING PLAN	
	3. EEVATIONS	
	4. SECTIONS	
	5. REFLECTED CEILING PLAN	
	6. ELECTRICAL LAYOUT PLAN	
	7. LOOPING PLAN	
	8. FLOORING RENDER PLAN	
8.	ELECTIVE  1. CEILING SECTION DETAILS	73-75

2. FURNITURE DETAILS

## **METHODOLOGY**

Understanding project	
Site analysis	Selection of site Site area and plans The climate & surroundings. Area analysis
	Data collection through books, generals, research, virtual study, etc.
Literature study	
	• To study other fashion store with respect to interior
Case study	•To figure out the needed changes keeping the hygiene, comfort & productivity in mind
Final design	<ul> <li>Designing concept sheets, working on planning &amp; interior</li> <li>To proceed using the aspects of retail store</li> </ul>
elective	Electrical drawing     Furniture detail
view	



## INTRODUCTION

#### ABOUT APARTMET

A building made up of one or more rooms used for housing, with the necessary facilities and utilities that satisfy the living requirements of a person or family

## Types and characteristics

#### 1. Studio Residence

The smallest self-contained apartments are referred to as studio, usually consist of a large single main room which acts as the living room, dining room and bedroom combined and usually also includes kitchen facilities, with a separate bathroom.

#### 2. Garden Residence

The Residence buildings are often arranged around courtyards that are open at one end, each residence has its own building entrance, or shares that entrance via a staircase and lobby that adjoins other units immediately above and/or below it.

#### 3. Salon residence

residences built as part of multi-family houses, The structure of the residence included centrally located anteroom with a combined function of the dining room and one or more salon areas.

#### 4 Maisonette

a part of a residential building which is occupied separately, usually on more than one floor and having its own outside entrance." Their distinctive feature is their use of two separate front doors onto the street, each door leading to a single flat.[15] "Maisonette" could also stretch to cottage flats.

### 5. Communal residence

. A typical arrangement is a cluster of five or so room-residence with a common kitchen and bathroom and separate front doors, occupying a floor in a pre-Revolutionary mansion.







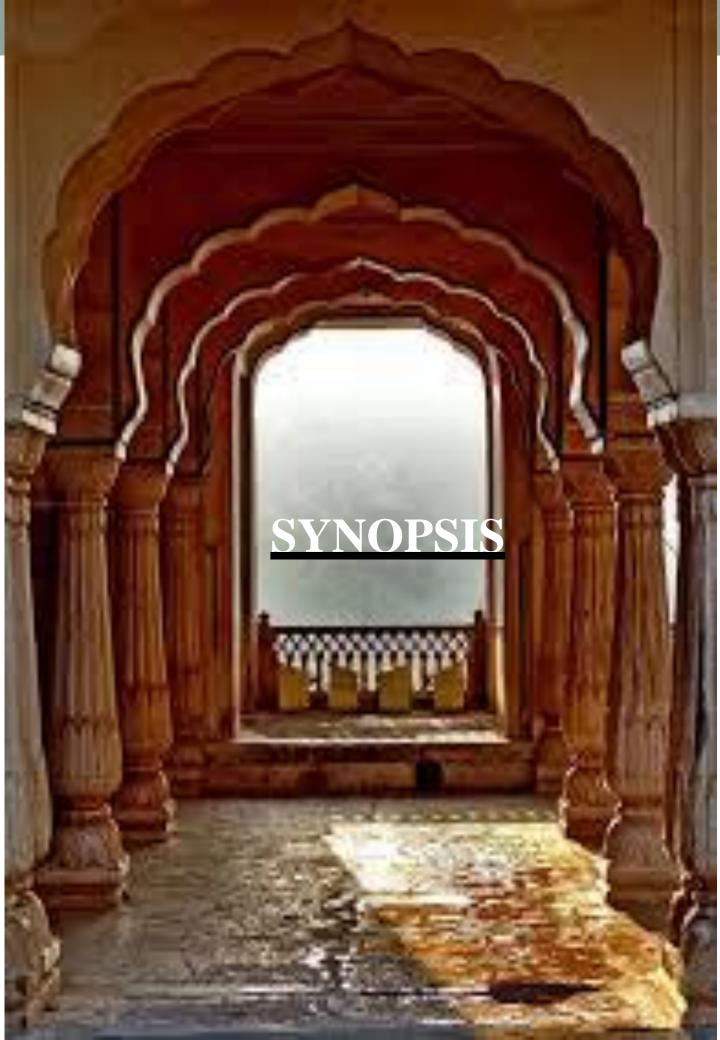
### ABOUT MUGLE STYLE

The Mughal architecture was an amalgamation of Persian, Turkic, Timurid Iranian, Central Asian, and Indian Hindu style of architecture. Mughal architecture first developed and flourished during the reign of Akbar. In this period there was extensive use of red sandstone as a building material.

What is mugle Style?

The characteristic features of retro interior design in the interior design of the apartments and other premises:

- Orientation to the fashion trends of 50-70s years of XX century;
   The use of synthetic materials (plastics, synthetic fabrics, PVC, etc.);
   Bright colors;
- Vintage decorative elements (decorative vinyl records, old-fashioned textile, lamps, and vases of the last century);
   Furniture of unusual shape;
  - The tendency for styling and abstract forms
- · Retro style in interior design is bizarre forms and combinations of colors and textures, brightness and originality



### HISTORY AND BACKGRO

### HISTORY OF RESIDENCE

A house is a single-unit residential <u>building</u>. It may range in complexity from a rudimentary <u>hut</u> to a complex structure of <u>wood</u>, <u>masonry</u>, <u>concrete</u> or other material, outfitted with <u>plumbing</u>, electrical, and <u>heating</u>, <u>ventilation</u>, <u>and air conditioning</u> systems. [112] Houses use a range of different <u>roofing</u> systems to keep precipitation such as rain from getting into the dwelling space. Houses may <u>doors</u> or <u>locks</u> to secure the dwelling space and protect its

#### Ancient Rome

In the great cities of the Roman Empire, houses were reserved only for the very wealthy. Apartments back then were called "insulas" which translates to "island". These rough and tum• ble places were called insulas because they were usually sur• rounded by roadways and set way out in the country, away from the aristocrats in the larger cities (thus the name insu• la, or island). History tells us that these insulas could be very dangerous places. Fires would breakout regularly (mostly from folks trying to stay warm), or these ancient structures, sometimes would simply collapse. Therefore, builders were only allowed to construct these buildings, or structures just 5 to 6 stories in height



#### The Stuvvesant

Although multiple unit 'tenements' were being constructed in New York City as far back as the 1830's, these were not usual• ly considered true "apartments" mainly because the units did not include a private bathroom. These tenements were usu• ally poorly lit and lacked proper ventilation. New York City's first "true" apartment building, The Stuyvesant, was built in 1869 and was located at 142 East 18th Street. The building was designed by famed architect Richard Morris Hunt and is generally regarded as the first luxury apartment building in New York. Rent for this fancy establishment ranged between 1,000 and 1,800 a year



### HISTORY OF RETRO STYLE

Retro is a style of 50s fun, colorful 60s, and bright 70s. This mixture of hipsters' fashion with their beautiful clothes and special charm, colorful hippie dresses with floral theme and rainbow prints, and bright explosive disco with acid colors and diversity. Retro style in the interior implies a focus on the past, a reference to tradition and fashion trends of the last century: flower graphics, chrome chevrons, synthetic mats, shiny patent leather, posters movies heroes of those years, the original furniture, and the rejection of all the boring and mundane

The 50s introduced chrome handles on cabinets, table legs, and chairs, upholstery chairs artificial shiny leather, color combinations of red, yellow, pink, black, and turquoise in this fashion style.

In the 60s the hippie movement (flowers, symbols of peace, rainbow) was topical. A little more restrained colors and geometric patterns (along with floral motifs) were all the rage of that time.

The 70s - Disco era: former shades were expanded by gold, blue and bright green; brilliance, brightness, fun - here's how you can describe the mood of the period. Large low sofas, bar stools, and cabinets, sideboards, coffee tables, ottomans were in fashion.

#### EED OF TOPIC

What goes around, comes around-at least when it comes to home design. On the one hand, some seasonal motifs never die Every fall plaid makes a comeback, and spring is never not florals galore (groundbreaking, I know). But even beyond that, there are some trends that really do resurrect themselves.

And it's crazy, because this process tends to happen in a flash and is far-reaching, from high-end to mass market, which always make me think there's some secret meeting where the design world gets together and votes on what to bring back. In a way, though, I guess that is sort of what happens at trade shows. If buyers see a bunch of companies coming out with similar things, they hone in on that as a trend, and then it's all we see in stores. So I thought it would be fun to poll a few designers and study a few look books to see what vintage trends might make their way to the forefront again in 2019. These six are definitely on m radar.

### REASON FOR TAKING UP THE TOPIC

Interest toward the project, and for me this project is full of challenges and creativity in concern of spaces. So, I want to accept this challenge to leave out my fear and for my upcoming career in tis field.

## AIMS A DOBJECTIVE

- To understand in detail, the following of in terms of requirements, functional and aesthetical, And all other necessary items that goes such into a designs, thus to achieve a functional system.
  - To take into a account aspect of phasing and the future growth of the project.
  - To develop on the whole a practical possible solution Which seriously takes into consideration the site constrain of futures

To develop the site plan along with the other set of required drawing to cater the need of the project.

• The ultimate aim is to attain unique design with all the knowledge \$ skills that is learned throughout learning and the final design should be free from all design problems

## **SCOPE**

Interior designing is jut not decoration; it is to make your place feel alive. Time progressed, but some old trends and style from the past yet retain their grace. And a Retro look owns its place.

some cool and bold patterns with unique colors adding visual appeal to your walls. Either you can opt for vinyl wall decoration of multiple lawyers with a plastic topping or use retro vintage wallpapers with tin1eless designs.

#### WALL ART:

Retro home decor encompasses a wide range of mid-century style and elements. With bright color, unusual ideas, and a complete sense of flair, retro home styling adds a unique touch to your drawing area.

#### FURNITURE:

Retro furniture comes in a wide range of patterns, materials, colors with an appeal of that era counterbalancing each other.

#### FLOORI 'G

To get a desired retro look, you can either go for a wooden floor or a bold mix of vinyl tiles .And to give an extra touch, you can go for door beads and lava lamps.

#### LIGHTI G

When you are done with deciding on the accents and accessories, bright up the decor with brilliant lamps and lights with tasseled or square shades, adding life to your drawing space.

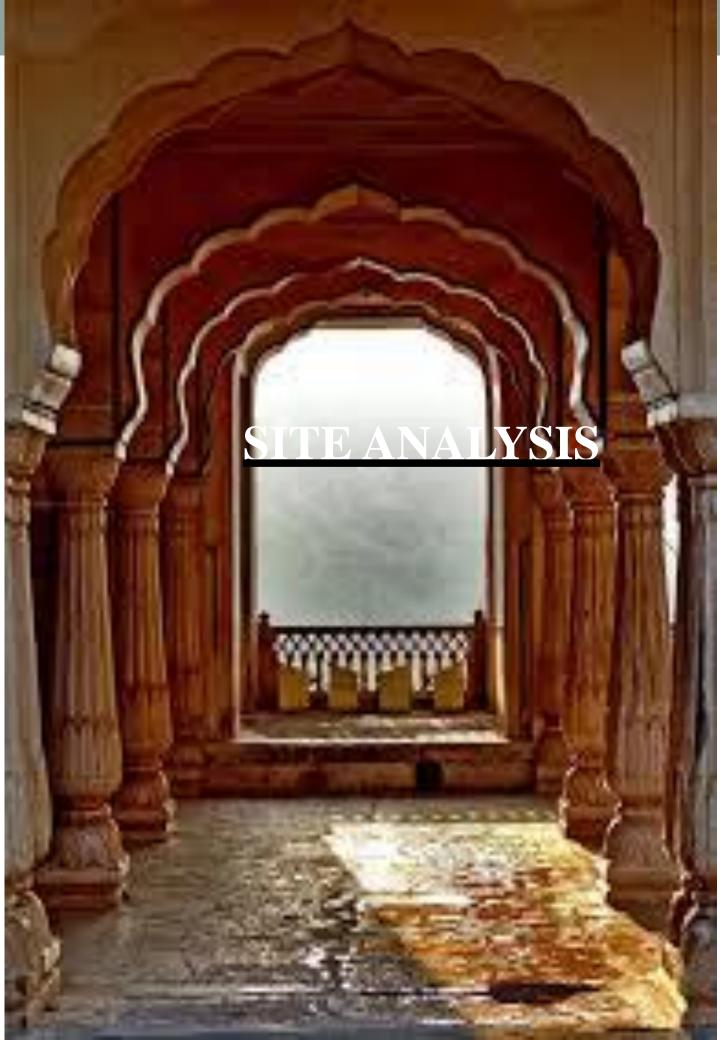
#### MUGLE STYLE RESIDENCE











## **INTRODUCTION**

ABOUT RESIDENCE Lucknow, city, capital of <u>Uttar Pradesh</u> state, northern <u>India</u>. It is located roughly in the centre of the state, on the Gomati River about 45 miles (72 km) northeast of Kanpur. Lucknow became important in 1528, when it was captured by Bābur, the first Mughal ruler of India. Under Akbar, his grandson, the city became part

### SITE OVERVIEW

In this project, I took a site of a ... Residence located in lucknow ,uttar pradesh. 2BHK and 3BHK for my thesis project.

## INTRODUCTION ABOUT LUCKNOW



LUCKNOW is the capital city of the Indian state ofUttar Pradesh.,sits on the northwestern shore of the Gomti River. The city stands at an eleva• tion of approximately 123 metres (404 ft) above sea level. This city was located in the Awadh region and was popularly referred to as the city of the Nawabs.

## SITE ACCESSIBILITY

AMAUSI AIRPORT 10KM CHARBAGH RAILWAYSTATION 11 KM MEDANTA HOSPITAL 5.9KM 11 KM PHOENIX PALASSIO **BANK** 4.6KM

## **LOCATION**

LOCATION- FAIZABAD ROAD, LUCKNOW ITE AREA - 1.14 ACRES

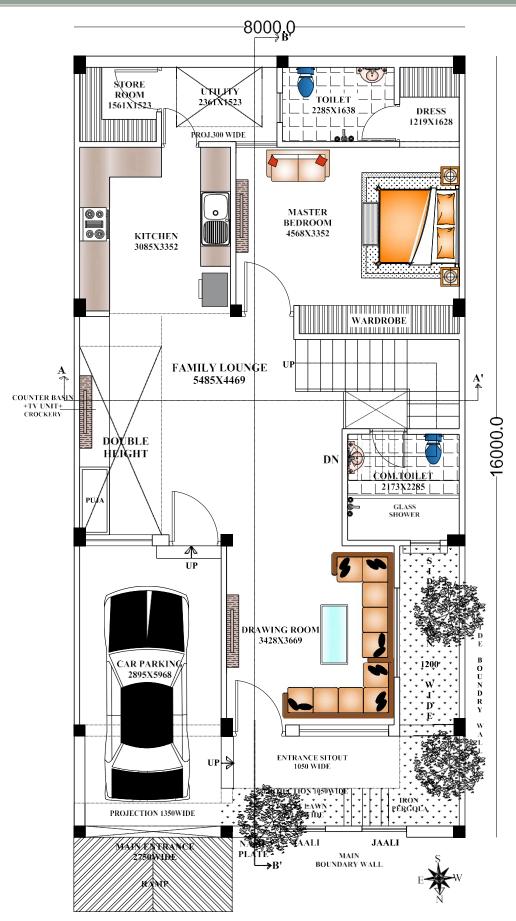
## SITE PLAN

Site area-1.14 Nain entarance 3m wide along with 9m road Connecting all others road 6m wide in side the site Floor-2 Total area -128 sq.m 20% open space Area used in my design 110 sq.m

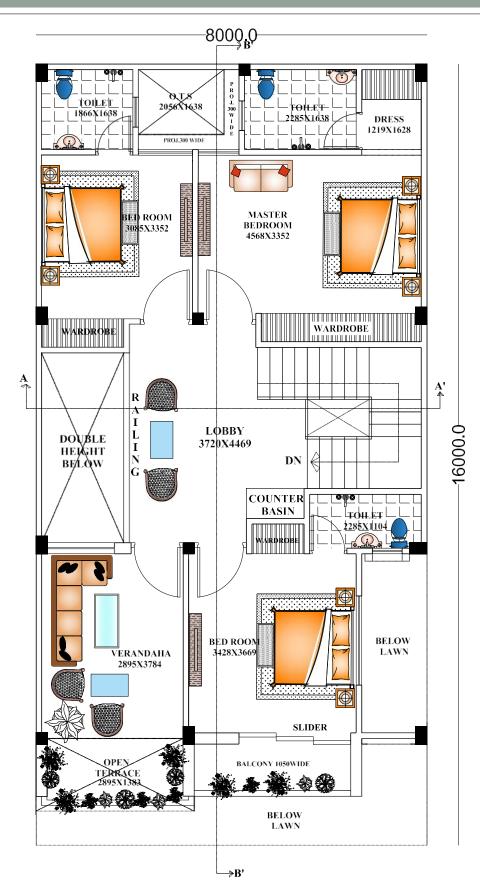








# GROUND FLOOR PLAN FURNITURE LAYOUT



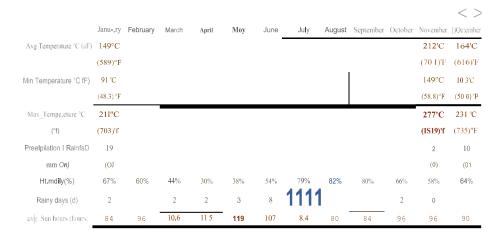
FIRST FLOOR PLAN FURNITURE LAYOUT

#### CLIMATE DATA

Lucknow lies within a composite climate zone, having four main sea• sons: the summer, which is hot and fairly dry; the monsoon which is lees hot but humid; the period of moderate temperature and humid; and the slightly cold winter period, the di.mate data for last twenty years, publisged by the central building reasearch institute, roorke, is summarized below (CBRL1989).

	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)
П		

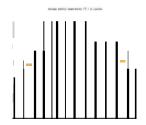
# WEATHER BY MONTH // WEATHER AVERAGES LUCKNOW



### **AVERAGE TEMPERATURE**

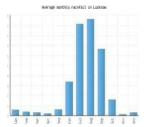
The hottest month of the year in Lucknow is **June**, with an average high of 100°F and low of 81°F.

Thee.oldestmonth of the year in Lucknow is **January**, with an average low of 48°F and high of 71°F.



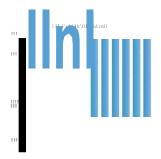
## **RAINFALL**

Rainfall starts with the arrival of the monsoon season in the middel of tha June.regular rain continue up to mid **september**. the total annual rainfall is 940mm.



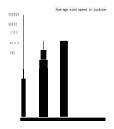
### RELATIVE HUMIDITY

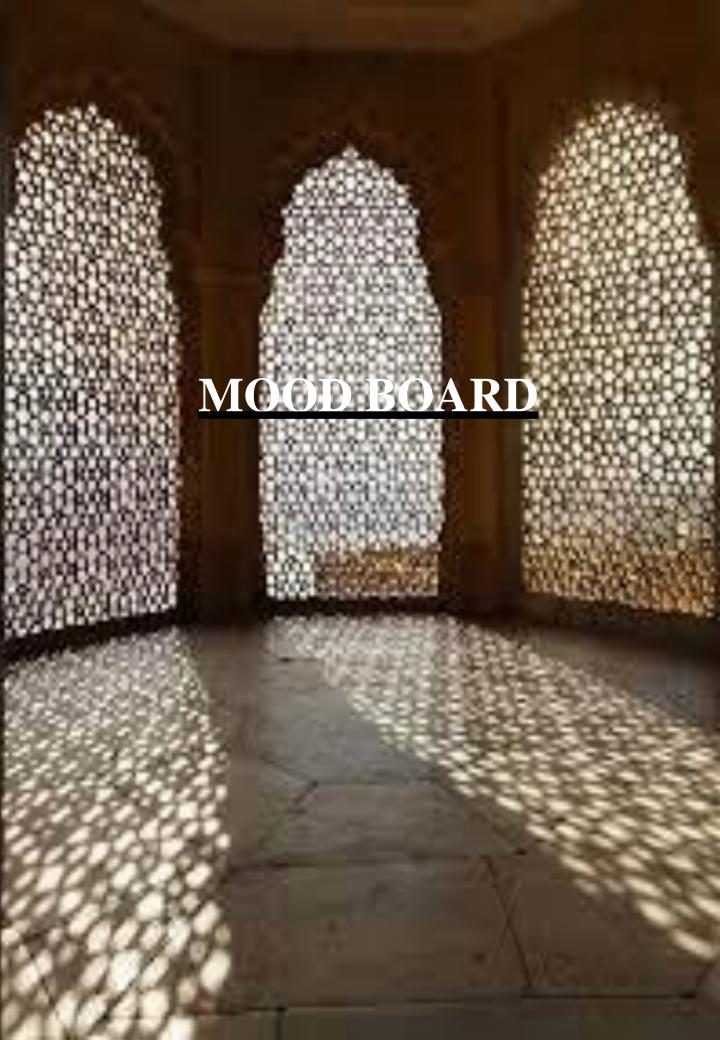
The relative humidity during summer can be less than 25%, during the most humid months, the relative humidity is in the range of 78% to 82%.



## WIND SPEED

the wind speed is in the range of 8 to IOkm/ hour form **May** to September the predominent wind direction is east.





## **MUGHAL STYLE**



The key elements of Mughal architecture includes Shell dome construction, Pointed arches, Use of geometry, proportion and scale, Bilateral symmetry, Geometric ornamentation, Extensive use of landscape, Carved stonework and intricate details for jaalis, Chajjas and jharokhas- Projecting balconies with pillars supporting ...

Replicating the traditionallooking arch or box pillars with the Mughal ones adds beauty and elegance to the home and shapes your home into a regal empire.

Mughal buildings have a uniform pattern of structure and character, including large bulbous domes, slender minarets at the corners, massive halls, large vaulted gateways, and delicate ornamentation; examples of the style can be found in modern-day Afghanistan, Bangladesh, India and Pakistan.



## INTRODUCTION

Rajasthan is synonymous with sandstone as a building material but sadly, over the last few decades, this material has been reduced to a 'cladding' medium and its potential as a robust and sustainable structural element has not been explored. The house in <u>Jaipur</u> presented us with an opportunity to explore and evolve a method of building that has been prevalent in traditional buildings for centuries. We laid out a simple brief: no material other than stone should be used for construction.

## **PLANNING**

- the plan accommodates six bedrooms as well as a prayer room, a movie lounge, a study and utility spaces. A double-height naturally ventilated internal courtyard is at the heart of the house, which is surrounded by open terraces and balcony gardens leading into the bedrooms.
- The effective integration of landscape features alongside design techniques creates a series of captivating experiences within the house.
- Each living space was designed to have a different spatial quality, giving them unique identities.
- The placement of large extensive glass windows on the north side of the house allows for indirect sunlight to penetrate into the interior spaces.
- Architects decided to build the whole structure out of raw concrete, with the internal spaces adorned with sandstone and wood features as well as landscaping which creates an overarching natural palette fusing effectively with the exterior concrete aesthetic.
- The differing living spaces have their own identities, characterised by spatial techniques as well as light streaming into the interior at different intensities, illuminating the room.
- The key features that characterise the whole project are the screens with patterns that reflect traditional Indian design and architecture,
- These screens protect the inhabitants from harsh sunlight and heat at certain times of the day as well as create beautiful patterns within the architecture as the light shines through. The screens also act as shields that mitigate the noise of any traffic from the nearby streets. The specific pattern of the screens was inspired by 'chikan' embroidery, famous in India.

## <u>SITE PHOTOS</u>



## SITE DETAILS

Address: Gyan Vihar, Badrawas, Jaipur

Construction: 2019

Client: Confidential Climate: Hot and Dry area: 8000 ft<sup>2</sup>

Architect: Mr. Malik Architecture

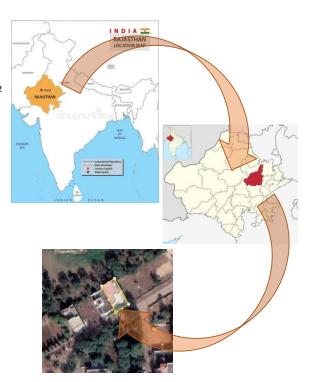
## CONNECTIVITY

>Stone house house has good connectivity with-

Jaipur international airport 11 km

Railway Station – 6 km
bus stand – 6.5 km

>The nearest metro station (Metro Station) Mansarovar) is 1.8 km away from the site.

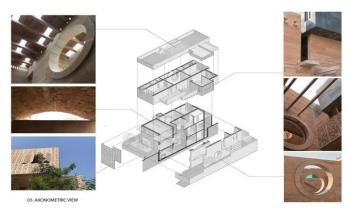


**COORDINATES-**

26`32'59" N -75`51' 22" E

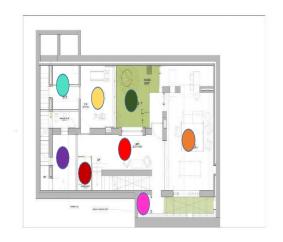
## **DESIGN ELEMENTS IN STONE HOUSE**

- The house in Jaipur presented us with an opportunity to explore and evolve a method of building that has been prevalent in traditional buildings for centuries. We laid out a simple brief: no material other than stone should be used for construction.
- The traditional method of load bearing construction relied on the impermeable thickness of walls. This was reengineered to develop a hollow interlocking structural wall system that creates a more effective thermal break, provides space to integrate services within the wall cavity, and effectively reduces the material consumption by 30%.
- Floor systems alternate between vaults and large single span stone pieces. Every building element from the basement raft/retaining walls/lintels/door and window jambs/reveals/stairs/screens etc has been made from stone blocks, either from the quarry (superstructure elements) or excavated from the site (substructure elements).



## **LEGEND**

- 1.COURTYARD
- 2.LOUNGE
- **3.POWDER TOILET**
- 4.KITCHEN
- 5.TOILET 3
- 6.STUDY ROOM
- 7.LIVING ROOM 2
- 8.LOBBY
- - 9.DINING 10.MASTER BATH
- 11.BATH
- 12.MASTER BED ROOM
- 13.BED ROOM 3
- 14.DEN WITH BATH
- 15.TEMPLE
- 16.GYM
- 17.BALCONY
- **18.TERRACE**
- 19.SERVANT ROOM WITH TOILET 20.DRIVERS ROOM WITH TOILET
- 21.POWER ROOM
- 22.LIFT
- 23.SERVICE



05 . BASEMENT PLAN

HOUSE OF SOLID STONE, JAIPUR









OF SECOND FLOOR PLAN
HOUSE OF SOLID STORE, JAIPLE



# **ELEVATION**







<u>PLAN</u>



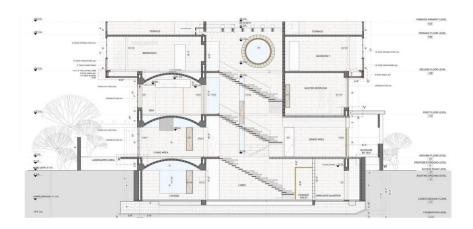






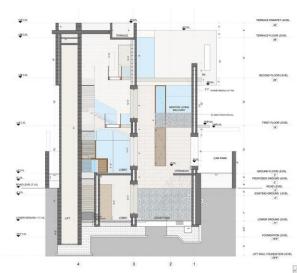




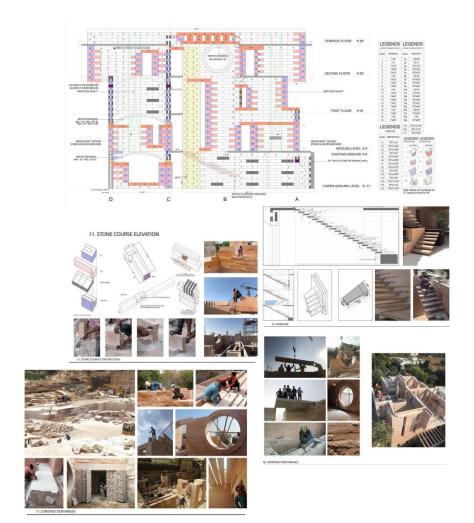


## 09 . SECTION AA

### HOUSE OF SOLID STONE, JAIPUR



10. SECTION BB
HOUSE OF SOLID STONE , JAIPUR



## **MATERIAL**

**TUFFEN GLASS TEEK WOODEN TILES** SAND STONE

## **FURNITURE STYLE**

## **Mid-Century Modern**

Mid-century modern style is a distinctive yet versatile design style. It fits perfectly between traditional and contemporary styles by drawing on elements of both. Mid-century modern style is associated with the 1960's and has endured in popularity ever since.

Mid-century modern style characteristics

- Organic shapes
- Mixed natural elements
- Clean lines
- Contrasting textures
- Medium to dark wood tones
- Splayed legs
   Pared-down geometric forms



Mid-century modern design can be identified in the subtle style details that combine to

create the overall look; curved lines, arched floor lamps and splayed or tapered legs are just a few. Graphic patterns add a pop of contrast to your space. Put down a colorful rug; abstract wall art or

even a patterned ottoman. If you own vintage pop art, even better! Bringing the outdoors inside

was a relatively new and trendy concept in the 1950s and 1960s so the more plants and greenery,

the better.

## Lighting

Lighting used

- Natural Lighting
- Cove Light
- Ambient Lighting SPOT LIGHT









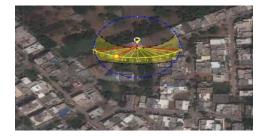
## **SERVICES**

CCTV cameras have been installed at the venue which provides proper surveillance SECURITY ROOM PARKING
24 x 7 Power back up.

# **Climate**

hot semi-arid climate
Jaipur has a monsoon-influenced hot semiarid climate (Köppen climate classification BSh) with long, extremely hot summers and short, mild to warm winters.

## **SUN PATH**

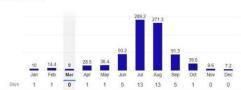


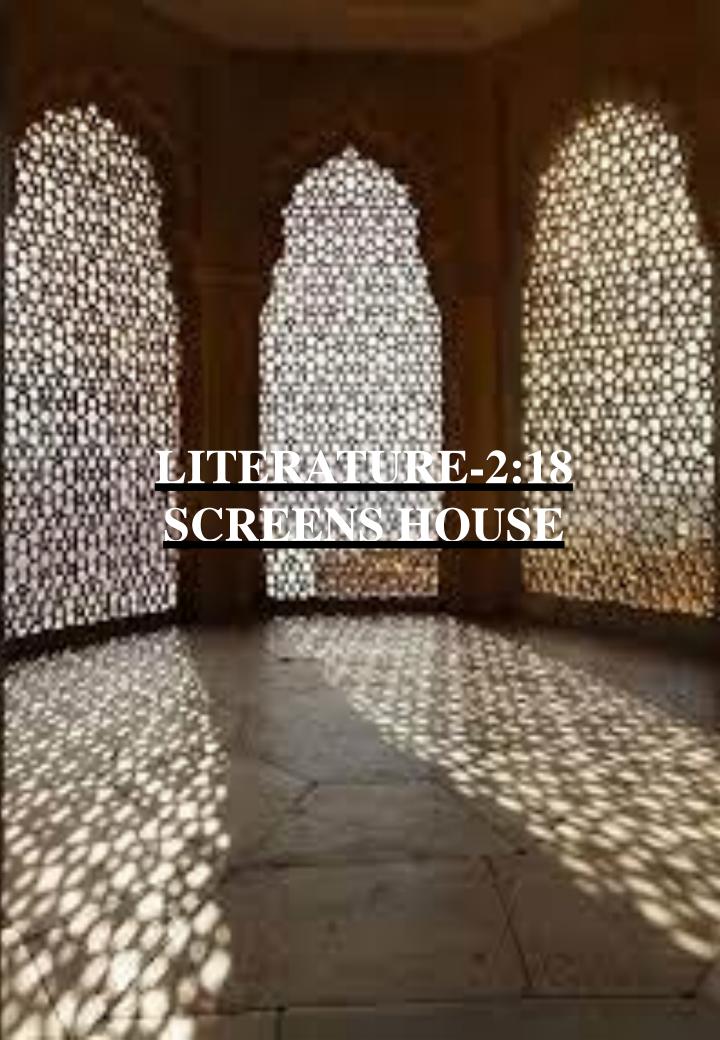




N ¥ Northern	NE ► Northeastern	E ◀ Eeastern	SE >	S A Southern	SW ◀ Southwestern	W ► Western	NW A Northwestern			32°	37°	41"	39°	34*	33°	34°	34*	29°		
8%	4.4%	11.9%	3.7%	9.8%	9.2%	38.1%	14.9%	22°	26°			26°	27°	25°				29*	24°	
							■ Lows		_	16°	22*				24°	23°	19°	130		
								8°	111*										9°	
								Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
							Rainfall (n	illimetres	5)											

AREA AREA SIZE (17'6''X15') (17'9''X23'6") (5'X8') (12'X15') (13'6''X4'9") (13'6''X4'9") (13'6''X4'9") (10'3''X15') (17'9''X23'6") (9'X15') (23'X13'6") (19'2''X13'6") (19'2''X13'6") COURTYARD LOUNGE TOILET TOILET STUDYROOM LIVINGROOM LOBBY 11. 12. BATH 15. MASTER RED ROOM BED ROOM 17. BED ROOM TEMPLE 20. 21. 23. SERVANTROOM WITH TOILET 27.





## INTRODUCTION

this house in lucknow, a large city in northern india, is clad with screens that provide shelter from the sun, create different light patterns throughout the day, and mitigate traffic noise from the passing street, designed by sanjay puri architects, '18 screens' is a six-bedroom property located on the peripheral edge of an extensive development of private homes.

## **PLANNING**

- the plan accommodates six bedrooms as well as a prayer room, a movie lounge, a study and utility spaces. A double-height naturally ventilated internal courtyard is at the heart of the house, which is surrounded by open terraces and balcony gardens leading into the bedrooms.
- The effective integration of landscape features alongside design techniques creates a series of captivating experiences within the house.
- Each living space was designed to have a different spatial quality, giving them unique identities.
- The placement of large extensive glass windows on the north side of the house
- for indirect sunlight to penetrate into the interior spaces.
  Sects decided to build the whole structure out of raw concrete, with the internal spaces with sandstone and wood features as well as landscaping creates an overarching natural palette fusing effectively with the exterior concrete
- aesthetic.
   The differing living spaces have their own identities, characterised by spatial techniques as well as light streaming into the interior at different intensities, illuminating the room.
- The key features that characterise the whole project are the screens with patterns that reflect traditional Indian design and architecture,
- These screens protect the inhabitants from harsh sunlight and heat at certain times of the day as well as create beautiful patterns within the architecture as the light shines through. The screens also act as shields that mitigate the noise of any traffic from the nearby streets. The specific pattern of the screens was
  - inspired by 'chikan' embroidery, famous in India.

## SITE PHOTOS







## SITE DETAILS

Address: Akhilesh Das Marg, lucknow Vipul Khand 5 Construction: 2019

Client: Mr. Rajesh Singh

Climate: Composite Climate Site

area: 8500 ft<sup>2</sup>

Architect: Mr. Sanjay Puri Architects

Interior Design: Nina puri & Sanjay Puri Architects

## **CONNECTIVITY**

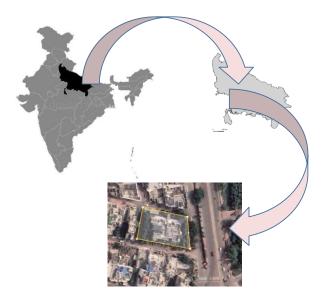
▶18 screens house has good connectivity with-

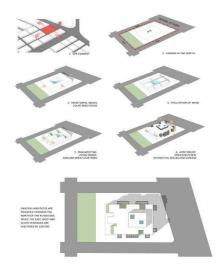
- chaudhary charan singh international airport
- Railway Station 8 km
- kaiserbagh bus stand 8 km
  - ➤ The nearest metro station (it college metro station) is 7 km away from the site.

**COORDINATES-** 26`50′ 33″ N - 80`59′27″ E

## **DESIGN ELEMENTS IN 18 Screens House**

- Each living space was designed to have a different spatial quality, giving them unique identities.
- The placement of large extensive glass windows on the north side of the house allows for indirect sunlight to penetrate into the interior chases.
- interior spaces.
   The differing living spaces have their own identities, characterised by spatial techniques as well as light streaming into the interior at different intensities, illuminating the room.
- The key features that characterise the whole project are the screens with patterns that reflect traditional Indian design and architecture, which enclose outdoor seating areas while also allowing light into the building ensuring a continued healthy relationship with the natural environment
- he specific pattern of the screens was inspired by 'chikan' embroidery, famous in India.







- LEGEND

  11. ENTRANCE LOBBY

  12. 1.8M WIDE PASSAGE

  13. DOUBLE HT CENTRAL SPACE

  14. DOUBLE HT LIVING ROOM

  15. POWDER TOILET

  16. DINING ROOM

  17. UTILITY

  18. STORE

  19. KITCHEN

- 10. PLUA ROOM
  11. GUEST ROOM
  12. OFFICE TOILET
  13. OFFICE
  14. DRIVER'S / SERVANT'S TOILET
  15. DRIVER'S ROOM
  16. PARKING SPACE
  17. VERANDAL
  18. MASTER BEDROOM

- 19. DRESSER
  20. TOILET
  21. BEDROOM
  22. DECK
  23. SERVANT'S ROOM
  24. SECURITY ROOM
  25. SCREEN SHELTERED WALKWAY



- LEGEND

  01. ENTRANCE LOBBY

  02. 1.8M WIDE PASSAGE

  03. DOUBLE HT CENTRAL SPACE

  04. DOUBLE HT LINING ROOM

  18. MASTER BEDROOM

  19. DRESSER

- 20. TOILET
  21. BEDROOM
  22. DECK
  25. SCREEN SHELTERED WALKWAY
  26. 1.2M WIDE CORRIDOR
  27. FAMILY ROOM
- 28. SHELTERD TERRACE
  29. ALCOVE
  30. TERRACE
  31. PANTRY
  32. GYM
  33. BALCONY











## LEGEND

02. 1.8M WIDE PASSAGE

03. DOUBLE HT CENTRAL SPACE 04. DOUBLE HT LIMING ROOM

17. VERANDAH

18. MASTER BEDROOM

19. DRESSER

20. TOILET

21. BEDROOM

22. DECK

26. 1.2M WIDE CORRIDOR

27. FAMILY ROOM

28. SHELTERD TERRACE

30. TERRACE

31. PANTRY

33. BALCONY

## **Suppliers**

Windows: Ritika Woods, Fenesta

Paint: Asian Paints, Oikos

Bathroom Fixtures: Kohler, Grohe, Gessi Kitchen Fittings: Hafele, Miller, Siemens, Faber

## **FURNITURE STYLE**

## Mid-Century Modern

Mid-century modern style is a distinctive yet versatile design style. It fits

perfectly between traditional and contemporary styles by drawing on elements of both. Mid-century modern style is associated with the 1960's and has endured in popularity ever since. Mid-century modern style characteristics

- Organic shapes
- Mixed natural elements
- Clean lines
- Contrasting textures
- Medium to dark wood tones
- Splayed legs
- Pared-down geometric forms

Mid-century modern design can be identified in the subtle style details that combine to create the overall look: curved lines, arched floor lamps and splayed or tapered legs are just a few. Graphic patterns add a pop of contrast to your space. Put down a colorful rug, abstract wall art or even a patterned ottoman. If you own vintage pop art, even better! Bringing the outdoors inside was a relatively new and trendy concept in the 1950s and 1960s so the more plants and greenery, the better.

## **Lighting**

Lighting use in 18 screens

- Natural Lighting
- Cove Light
- Ambient Lighting
   SPOT LIGHT









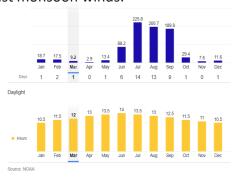
## **SERVICES**

CCTV cameras have been installed at the venue which provides proper surveillance SECURITY ROOM SERVANT'S ROOM PARKING

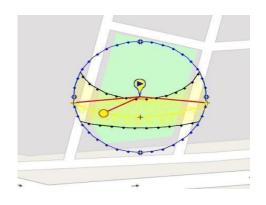
24 x 7 Power back up.



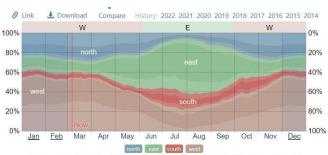
Lucknow has a warm humid subtropical climate with cool, dry winters from December to February and dry, hot summers from April to June. The rainy season is from mid-June to mid-September, when Lucknow gets an average rainfall of 1010 mm (40 in) mostly from the south-west monsoon winds.



## **SUN PATH**



## **Average Wind Speed in**



The percentage of hours in which the mean wind direction is from each of the four cardinal wind directions, excluding hours in which the mean wind speed is less than 1.0 mph. The lightly finted areas at the boundaries are the percentage of hours spent in the implied intermediate directions (northeast, southwest, and northwest).

## Standard dimensions

#### FOYER

- Small 6 x 6
- Medium 8 x 10
- Large 8 x 15

## ENTRY CLOSETS (24" minimum inside

#### dimensions)

- Small 2 x 3
- Medium 2 x 4
- Large 2 x 6

## POWDER ROOM

- Small 4 x 4
- Medium 5 x 5
- Large 6 x 6
- GREAT ROOM
- Small 16 x 18
- Medium 18 x 24
- Large 20 x 28

## LIVING ROOM -

- Small 12 x 18
- Medium 16 x 20

## Large - 22 x 28

- DINING ROOM
  - Small 10 x 12
- Medium 12 x 16 Large - 14 x 18

## FAMILY ROOM

- Small 12 x 16
- Medium 14 x 20
- Large 16 x 24 RECREATION ROOM

  - Small 12 x 18
    Medium 16 x 24
  - Large 18 x 30

#### MEDIA ROOM

- Small 10 x 14
- Medium 12 x 16 Large - 14 x 20

#### KITCHEN

- Small 5 x 10
- Medium 10 x 16

#### • Large - 12 x 20 EATING AREA

- Small 10 x 10
- Medium 12 x 12

## Large - 16 x 16

- PANTRY Small - 2 x 2
- Medium 3 x 4

## Large - 4 x 6

- LAUNDRY • Small - 3 x 6
  - Medium 6 x 8

## Large - 8 x 10

- UTILTITY/MUD ROOM
- Small 5 x 6
   Medium 6 x 8
- Large 8 x 10

#### REAR ENTRY CLOSETS (24" minimum

#### inside dimensions)

- Small 2 x 3Medium 2 x 4
- Large 3 x 6

#### GARAGE

- Small 12 x 20 (1 car)
- Medium 20 x 20 (2 car)
- Large 24 x 24 (2 car w/storage)

# WORKSHOP • Small - 6 x 8 • Medium - 8 x 10 • Large - 12 x 16 STORAGE ROOM

- \*\* Lorge 12 x 16
  \*\* STORAGE ROOM

  \*\* Small 6 x 6

  \*\* Medium 28 x 10

  \*\* Lorge 12 x 14

  \*\* HOME OFFICE / WORK ROOM

  \*\* Small 8 x 10

  \*\* Medium 12 x 14

  \*\* Lorge 14 x 18

  \*\* MASTER BED ROOM

  \*\* Small 12 x 14

  \*\* Medium 14 x 20

  \*\* Lorge 16 x 24

  \*\* Medium 14 x 20

  \*\* Lorge 16 x 24

  \*\* Medium 6 x 6

  \*\* Lorge 6 x 8

  \*\* Master BAHROOM

  \*\* Small 6 x 9

  \*\* Medium 8 x 12

  \*\* Lorge 10 x 16

  \*\* BEDROOM

  \*\* Small 10 x 10

  \*\* Medium 12 x 12

  \*\* Lorge 14 x 16

  \*\* CLOSETS (24" min inside dim)

  \*\* Small 2 x 4

  \*\* Medium 2 x 6

  \*\* Lorge 2 x 8

  \*\* GUEST BEDROOM

  \*\* Small 10 x 12

  \*\* Medium 12 x 14

  \*\* Lorge 14 x 18

  \*\* GUEST ELOSETS (24" min inside dim)

  \*\* Small 10 x 12

  \*\* Medium 12 x 14

  \*\* Lorge 14 x 18

  \*\* GUEST CLOSETS (24" min inside dim)

  \*\* Small 2 x 3

  \*\* Medium 2 x 4

  \*\* Medium 12 x 14

  \*\* Lorge 14 x 18

  \*\* GUEST CLOSETS (24" min inside dim)

  \*\* Small 2 x 3

  \*\* Medium 2 x 4

- Small 2 x 3

  Medium 2 x 4

  Large 2 x 6

  FULL BATH

  Small 6 x 9

  Medium 7 x 10

  Large 8 x 12

### GUEST BATHROOM

- Small 5 x 9
   Medium 6 x 10
   Large 7 x 12

  LINEN CLOSETS (12" min inside dim)
- Small 1 x 3 Medium 2 x 4 Large 3 x 6

- EN Large 3 x 6

  EN Small 10 x 10

  Medium 12x 12

  Large 14x 16

  STUDY

  Small 10 x 10

  Medium 12x 12

  Large 14x 16

  LBRARY

  Small 12x 12

  Medium 14x 18

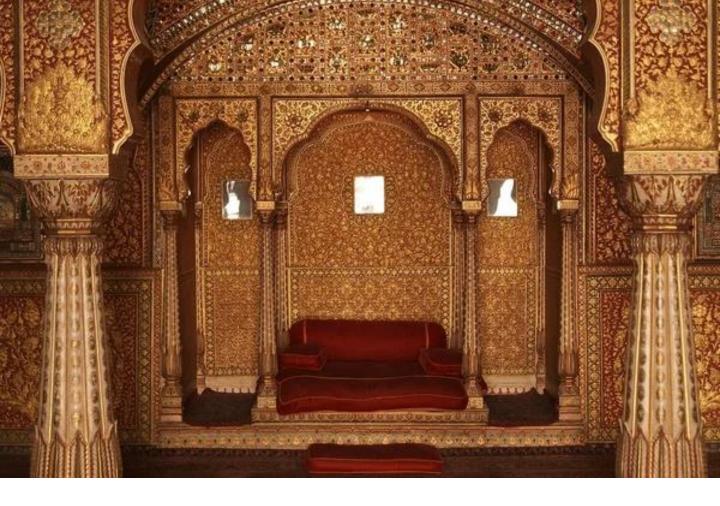
  Large 16x 20

1/15/12

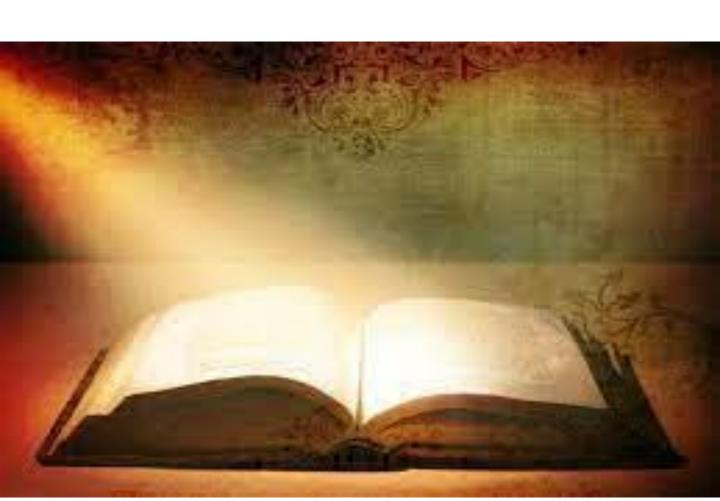
## Standard door opening:

Main door	1.10 m
Bedroom door	.80 m
Toilet & bath door	.70 m
Access door	.70 or .80 m

Standard width of window per panel	.70 m
Standard width of t&b window panel	.50 or .60 m
Standard thickness of walls	.20 m
Thickness of door	.10 m



# **CASE STUDY-1:MULBERRY VILLA**



# **INTRODUCTION**

**Rishita Mulberry Villas** is to leave a valuable legacy of homes which is not only a financial asset for the residents but much more beyond that. Also, it is a home which offers you a space for your dream living. Where one can feel free from all the basic responsibilities of maintaining a home. Thus, it is a villa which gives you and your family space for their hobbies, leisure and entertainment.

# **PLANNING**

Mulberry Villas, as the name suggests, presents a unique concept lifestyde for the first time in Lucknow. Designed to perfect the balance Of contemporary living with the traditional forms and details of Indian Standing a testimonies to thoughtful space combined with grandeur the villa at Rishita Mulberry are here to take luxury living to newer heights Of class and elegance.

### Concept

<u>Modern architecture</u>, or <u>modernist architecture</u>, was an architectural movement or architectural style based upon new and innovative technologies of construction, particularly the use of glass, steel, and reinforced concrete; the idea that form should follow function (functionalism) an embrace of minimalism

# **SITE PHOTOS**











# **SITE DETAILS**

Address: Rishita Mulberry Sector C, Sushant

Golf city, lucknow Construction: 2019

Contractor Name: Rishita Developers Pvt. Ltd.

Climate: Composite Climate Site

area: 4017 Sq

Architect: Mr. Design Forum International

# CONNECTIVITY

shita Mulberry has good

laudhary charan singh ternational airport

• Railway Station - 14 km

Charbag bus stand – 14

>The nearest metro station (it college metro station) is 17 km away from the site.

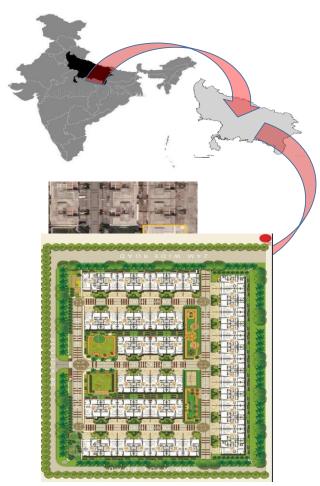
## **COORDINATES-** 26°46'55.0"N 81°00'34.8"E

- As you unwind in your colourful, vibrant and peaceful landscape environment, life will take you through a floral ecstasy thars positive, full of zeal and delightful.
- Amidst this Zion Of nature, you will discover how beautiful life can be.
- You own the most expensive and rare luxury in the world: an opulent open and green space where you can
- brea the free.
- Mulberry Villas, as the name suggests,
- presents a unique concept lifestyle for the
- first time in Lucknow.

• Designed to perfect the balance of contemporary living with the traditional forms

and details of Indian

- homes.
- Standing a testimonies to thoughtful space
- · combined with grandeur the villa at Rishita
- Mulberry are here to take luxury living to
- newer heights of class and elegance.





# **LEGEND**

- 1.KITCHEN
- **2.LIVING ROOM**
- 3.LOBY
- 4.DINING
- **5.MASTER BED ROOM**
- 6.BED ROOM
- **7.KIDSROOM WITH TOILET**
- **8.STUDY ROOM**
- 9.GYM 10.BAR 11.BALCONY
- **12.LIFT**
- 13.PANTRY
- **14.SERVANT ROOM** WITH TOILET







# **FLOOR PLAN**











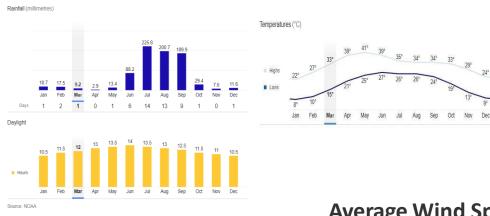
# **SERVICES**

CCTV cameras have been installed at the venue which provides proper surveillance SECURITY ROOM SERVANT'S ROOM PARKING

24 x 7 Power back up.

# **Climate**

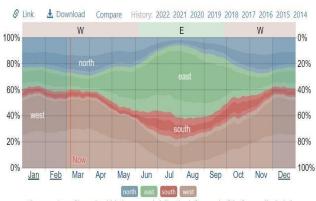
Lucknow has a warm humid subtropical climate with cool, dry winters from December to February and dry, hot summers from April to June. The rainy season is from mid-June to mid- September, when Lucknow gets an average rainfall of 1010 mm (40 in) mostly from the south-west monsoon winds.



# **SUN PATH**

# 10 15 14 16 12 11 10 9 8 7

# Average Wind Speed in Lucknow



The percentage of hours in which the mean wind direction is from each of the four cardinal wind directions, excluding hours in which the mean wind speed is less than 1.0 mph. The lightly tinted areas at the boundaries are the percentage of hours spent in the implied intermediate directions (northeast, southeast, southwest, and northwest).

# **MATERIAL**

#### Living /Dining /Lobby

Floor Italian Marble Wall Internal wall plastered and plastic Emulsion paint . Ceiling Plastered , plastic emulsion paint ,Gypsum board , wooden panels . Lights warm white cove light , White ceiling light ,indoor wall light. Other Material • Teak wood Door • 8mm Toughened Glass



#### Parallel Kitchen

Floor Vitrified Tiles Wall Internal wall plastered and plastic Emulsion paint . Ceiling Plastered , plastic emulsion paint ,Gypsum board . Lights white cove light , White ceiling light . Fittings/Fixtures Polished Granite Counter Top Modular Kitchen with Chimney & Hob , Granite Counter, Stainless Steel Sink with Drain Board Hot & Cold water supply with Sink Mixer etc. / R.O. / GeyseR



# Master bed Room / Toilet

Floor Laminated Wooden Flooring Wall Internal wall plastered and plastic Emulsion paint ,P.V.C panels.

Ceiling Plastered , plastic emulsion paint ,Gypsum board , Lights White ceiling Aluminum Profile For LED Light . TOILET(3 piece , wardrove space , bath) , Floor Anti — skid Tile Wall Vitrified / Ceramic Tiles & Plastic Emulsion Paint Ceiling Plastered , plastic emulsion paint ,Gypsum board , Lights White ceiling . Polished Granite Counter for Wash Basin Glass Partition, Exhaust Fan, Towel Rail, Toilet Paper holder, Coat Hook, Soap Dish etc. Single lever CP fittings (Hot & Cold water supply), Wash basin, E.W.C., Health Faucet, Geyser



## **Kids Room**

- Floor Vitrified Tiles Wall Internal wall plastered
- and plastic Emulsion paint ,wallpaper. Ceiling Plastered , plastic emulsion paint ,Gypsum board . Lights white cove light , White ceiling light . TOILET Floor Anti skid Tile Wall Vitrified
- / Ceramic Tiles & Plastic Emulsion Paint Ceiling Plastered, plastic emulsion paint, Gypsum board, Lights White ceiling Polished Granite Counter for Wash Basin Glass Partition, Exhaust Fan, Towel Rail, Toilet Paper holder, Coat Hook, Soap Dish etc.
   Single lever CP fittings (Hot & Cold water supply), Wash basin, E.W.C., Health Faucet, Geyser

#### Other bed Room / Toilet

• Floor Vitrified tile Wall Internal wall plastered and plastic Emulsion paint ,P.V.C panels. Ceiling Plastered , plastic emulsion paint ,Gypsum board , Lights White ceiling Aluminum Profile For LED Light . TOILET Floor Anti – skid Tile Wall Vitrified / Ceramic Tiles & Plastic Emulsion Paint Ceiling Plastered , plastic emulsion paint ,Gypsum board , Lights White ceiling. Polished Granite Counter for Wash Basin Glass Partition, Exhaust Fan, Towel Rail, Toilet Paper holder, Coat Hook, Soap Dish etc. Single lever CP fittings (Hot & Cold water supply), Wash basin, E.W.C., Health Faucet, Geyser

#### STUDY ROOM

- Floor Vitrified Tiles Wall Internal wall plastered and plastic Emulsion paint ,3d
   wallpaper. Ceiling Plastered , plastic emulsion paint ,Gypsum board . Lights white cove light , White ceiling light .
- BALCONY Floor Anti skid Tile Wall Vitrified /
- Ceramic Tiles & Plastic Emulsion Paint Ceiling Weather proof Lights White ceiling ,spot light Railing 1200MM High MS railing







#### **GYM**, BAAR

Floor Laminated Wooden Flooring Wall Internal wall plastered and plastic Emulsion paint, wallpaper Ceiling Plastered, plastic emulsion paint, Gypsum board, Lights White ceiling Aluminum Profile For LED Light BAAR Floor Vitrified tile Wall Internal wall plastered and plastic Emulsion paint, wallpaper Ceiling Plastered, plastic emulsion paint, Gypsum board, Lights White ceiling, spot light,.

### **STAIRCASE**

Staircase Flooring Marble Steps Walls Plastic **Emulsion Paint Ceiling Plastic Emulsion Paint** Handrail Stainless steel railing with combination of designer glass

#### **ELECTRICAL**

Fire retardant electrical wiring Modular switches of the premium brand.

#### **DOOR & WINDOW**

Doors & Windows Main Door Teak wood finish modular door with Magic Eye. Internal Doors Modular Designer Doors Windows UPVC/Powder coated aluminum windows with clear glass

#### **HOME AUTOMATION**

Smart phone controlled lights, other home appliances, video door phone, etc....

#### SPECIAL FEATURES Gated

community with CCTV Surveillance Lush green open parks/spaces. Vastu compliant master planning from top architects.

# **Rishita Mulberry Internal Amenities**

- Private Lift so that each floor is easily accesible
- ·Home Automation so that lighting, temperature, music are controlled automatically
- Modular Kitchen
- •In addition, 24×7 filtered water supply provision for Modular Kitchen
- •Independent Lawn

# **Rishita Mulberry External Amenities**

- •Either Three Tier Security or Extremely high level security
- •24 hour security guard so that you will have never sleepless nights
- Exclusive Gated Community
- At entrance CCTV surveillance
- Unique Outdoor Gym
- Aerobic as well as Yoga Center
- •100% Power back-up for Common Areas
- Vaastu compliant Master Planning
- Proximity to Golf Course
- Wellness Zone
- play area rnal Seating Plaza







# **FURNITURE STYLE**

# **Mid-Century Modern**

Mid-century modern style is a distinctive yet versatile design style. It fits perfectly between traditional and contemporary styles by drawing on elements of both. Mid-century modern style is associated with the 1960's and has endured in popularity ever since.

Mid-century modern style characteristics

- Organic shapes
- Mixed natural elements
- Clean lines
- Contrasting textures
- · Medium to dark wood tones
- Splayed legs

Mid-century modern design can be identified in the subtle style details that combine to create the overall look: curved lines, arched floor lamps and splayed or tapered legs are just a few.

Graphic patterns add a pop of contrast to your space. Put down a colorful rug, abstract wall art or even a patterned ottoman. If you own vintage pop art, even better! Bringing the outdoors inside was a relatively new and trendy concept in the 1950s and 1960s so the more

plants and greenery,

the better.

# **Lighting**

Lighting used

- Natural Lighting
- Cove Light
- Ambient Lighting • SPOT LIGHT









MID-CENTURY MODERN FURNITURE PACK

# SITE IMAGE









THRSIS GUIDE:- SHELESH YADAY

THESIS BY-AISHA JAVED ROLLLNO.:- 11091070001 SESSION:- 2022-23

# FRONT VIWE & SIDE VIWE









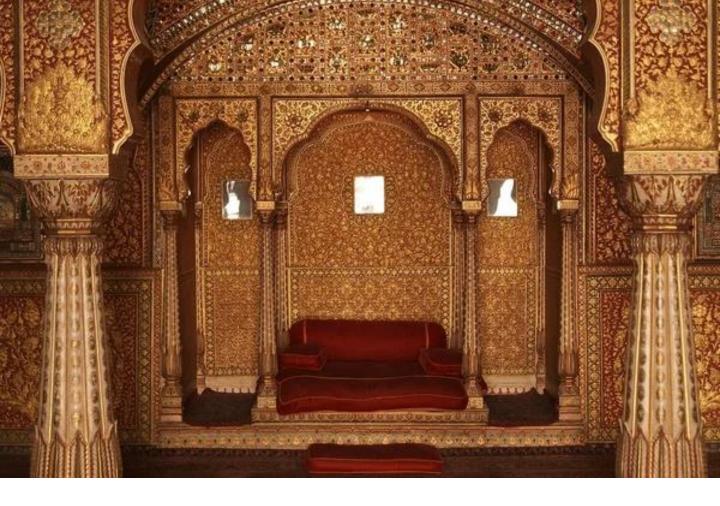




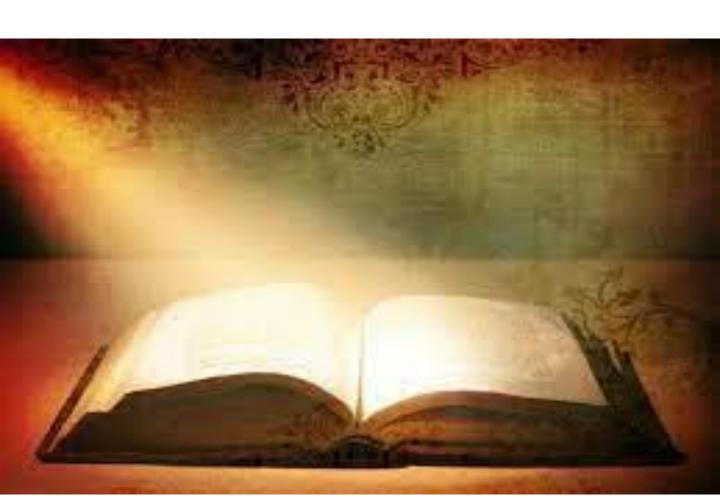


THESIS GUIDE-SHELESH YADAV

THESIS BY-AISHA JAVED ROLL.NO.:- 11091070001 SESSION:- 2022-23



# **CASE STUDY-2:GARDEN BAY**



# INTRODUCTION

**Garden Bay Lucknow** offers a tranquil living community responding to the desire for an inviting, contemplative space, where nature, community and healthy living come together to make a positive contribution to the city. Its timeless design reinvigorates a corner of northern India with a mix of high quality villas set in carefully landscaped grounds.

The township, situated on the Sitapur-Hardoi Link Road in Lucknow, is characterised by an imposing entrance with gatehouse surrounded by green box hedges and local trees. The arrival experience is

enhanced by selective water features and green covered walkways.

# **PLANNING**

- The connective landscape within the township has the primary function of providing recreational and leisure space for residents, which ranges in scale from intimate pocket parks to large open spaces which separate the main blocks of the development. It includes jogging and cycling routes as well as seating areas and BBQ locations along its length within a verdant setting of lawns, plants and trees.
- Although contained within a gated community the public park provides abundant facilities and open spaces for residents and guests and includes jogging and cycling routes as well as seating areas and BBQ locations along its length within a verdant setting of lawns, plants and trees.
- Facilities include a clubhouse and dedicated community retail space with a fully-equipped gymnasium as well as a wide array of recreation activities.

 Sústainability is key within the township and a number of energy efficient initiatives have been implemented including the design of the soft scape to help reduce the urban heat island effect and a water harvesting pond network to recharge the ground water

# **Concept**

Architects Godwin Austen Johnson used elements from european architecture

European architecture In the 20th Century European architecture was driven by styles – Art

Nouveau, De Stijl, Art Deco, Modernism, Futurism, Brutalism, Postmodernism,

Deconstructivism – but this style-driven approach to designing buildings has been fractured by

new

forces, especially globalism and the internet.

#### **SITE PHOTOS**







# **SITE DETAILS**

Address: IIM Road, Ghaila, Lucknow, Uttar Pradesh Construction:

2019

**Client: Shalimar** 

Climate: Composite Climate Site Plot area: 175 sq. mt. 1884 sq. ft.

Built-up area: 270.72 sq. mt. 2914 sq. ft. Carpet area: 233. 16 sq. mt. 2509.73 sq. ft. Architect: Mr. Godwin Austen Johnson

# **CONNECTIVITY**

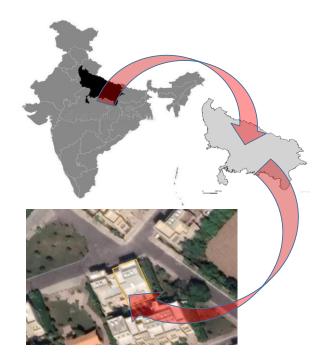
- ➤ Rishita Mulberry has good connectivity with-
- chaudhary charan singh international airport 23km
- Railway Station 14 km
- Awadh Bus Station

   18 km
- ➤ The nearest metro station (it college metro station) is 14 km away from the site.

# **COORDINATES**- 26°55'35.6"N 80°52'57.9"E

# **DESIGN ELEMENTS**

- the vision and values of the group by engaging with the surrounding green landscape and creating an uplifting and inspiring environment for residents
- hey are spacious and well planned with natural light and ventilation.
- The villas have been designed as a community living space with a deliberate lack of boundaries to encourage social interaction yet still maintain a degree of privacy..







# **SERVICES**

CCTV cameras have been installed at the venue which provides proper surveillance SECURITY ROOM SERVANT'S ROOM PARKING

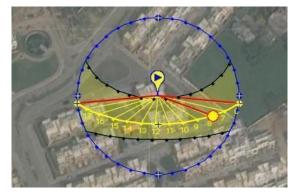
24 x 7 Power back up.

# **Climate**

Lucknow has a warm humid subtropical climate with cool, dry winters from December to February and dry, hot summers from April to June. The rainy season is from mid-June to mid-September, when Lucknow gets an average rainfall of 1010 mm (40 in) mostly from the south-west monsoon winds.

# **SUN PATH**



















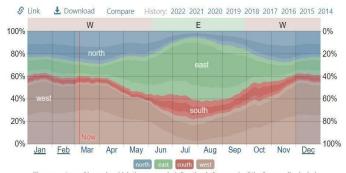


ground floor

first floor

second floor

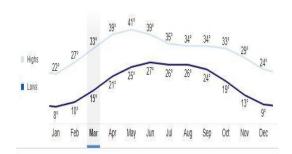
# Average Wind Speed in Lucknow



The percentage of hours in which the mean wind direction is from each of the four cardinal wind directions, excluding hours in which the mean wind speed is less than 1.0 mph. The lightly tinted areas at the boundaries are the percentage of hours spent in the implied intermediate directions (northeast, southeast, southwest, and northwest).

- 1.KITCHEN
  2.LIVING ROOM
  3.LOBY
  4.DINING
- 5.BED ROOM 6.M.BED ROOM 7.STUDY ROOM 8.BALCONY

Temperatures (°C)



# **MATERIAL**

#### **ALL BEDROOMS**

#### Flooring / Skirting

: Vitrified Tiles/Laminated Wooden Flooring

#### **Wall Finishes**

: Oil Bound Distemper, wallpaper

#### Ceiling

: Oil Bound Distemper, Gypsum board

#### LIVING/ DINING ROOM

#### Flooring / Skirting

: Superior Quality Vitrified Tiles

#### **Wall Finishes**

: Acrylic Emulsion on POP punning, wallpaper, stone

: Oil Bound Distemper, Gypsum board, wooden panel

#### **BALCONIES**

#### **Flooring**

: Tiles

#### **Wall Finishes**

: Exterior Grade Paint on Plaster

#### **Ceiling Finishes**

: Exterior Grade Paint on Plaster

Handrail and Parapets : Combination of Parapet Walls and M.S Handrails as per the functional and elevation requirements

#### **KITCHEN**

looring/Skirting Vitrified Tiles/Ceramic Tiles Wall Finishes Oil Bound Distemper on the

#### Walls Ceiling

: Oil Bound Distemper and provision for installation of Geysers

#### C. P. FITTINGS AND ACCESSORIES

Good Quality brands Fittings in all Toilets.









#### **TOILETS**

#### **Flooring**

: Ceramic Tiles

#### **Wall Finishes**

: Ceramic Wall Tiles up to Dado level (approximately 2100 mm).

Oil Bound Distemper

#### **Ceiling Finishes**

: Oil Bound Distemper

#### **Vanity Counter**

: Granite

#### Sanitary ware

: Good Quality Brands

#### **STAIRCASE**

#### **Flooring**

: Polished Indian Granite/Marble/Kota/ Green

#### Railing

: Painted M.S. Handrails and Balustrades

#### **Wall Finishes**

: Oil Bound Distemper on plaster

#### **COMMON PASSAGE**

#### **Flooring**

: Vitrified Tiles/ Marble

#### **Wall Finishes**

: Whitewash/Oil Bound Distemper on Plaster

#### **Ceiling Finishes**

: Whitewash/Oil Bound Distemper on Plaster Doors and Windows

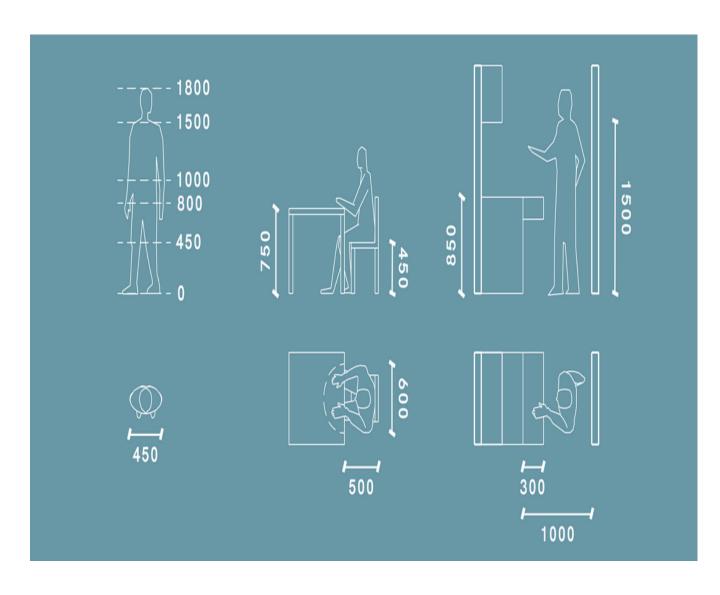
# DOORS AND WINDOWS Main Entrance Door

- : Painted Hardwood Frame with Flush Door Shutters Internal Doors
- : Painted Hardwood Frame with Flush Door Windows and External Glazing
- : Powder coated Aluminum Frame or UPVC Frame Windows with Clear Glass **External Wall** Finishes

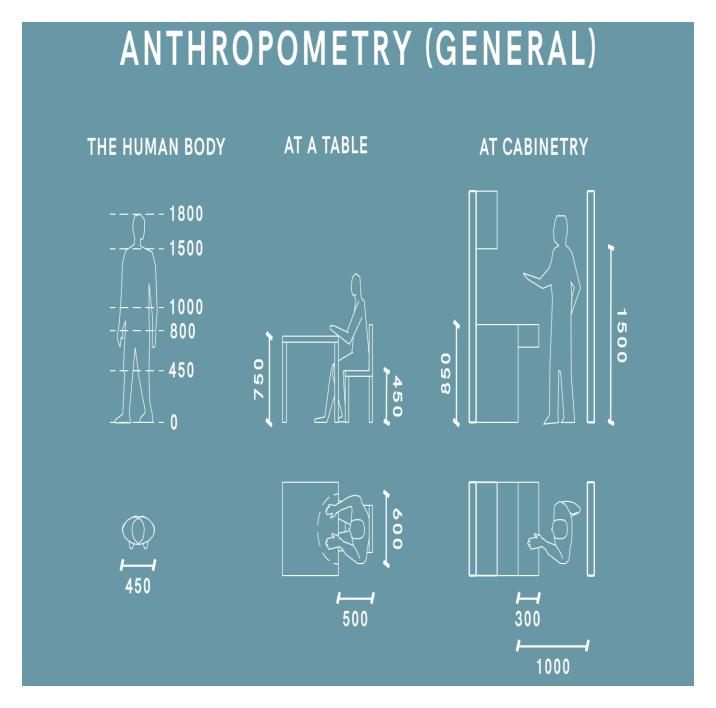




# **Anthropometry Of Living Spaces**

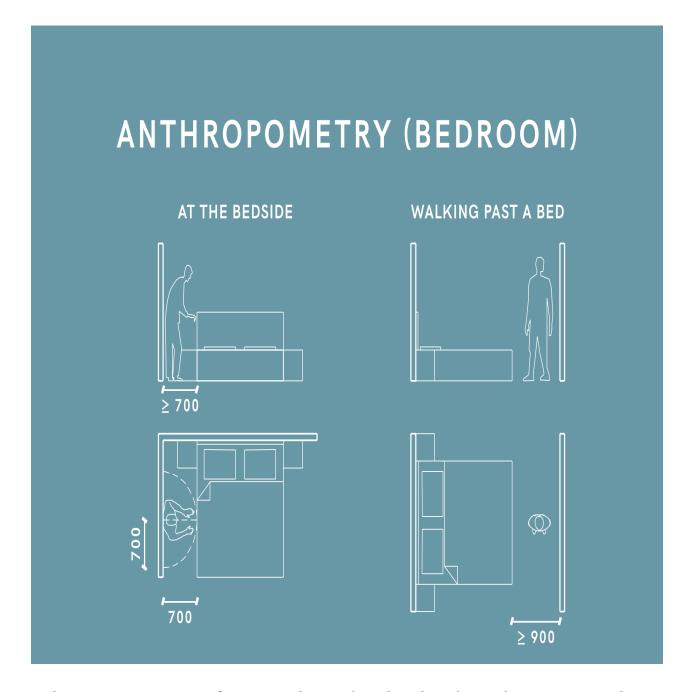


Anthropometry refers to the scientific study of the measurements and proportions of the human body in architecture. In this post, we will discover a few fundamental dimensions based on the human body that is relevant for the designing of functional spaces.



Key measurements tend to coincide with human joints. These include the knees, wrists, waist and shoulders of the generic 1800 mm tall human referenced to make human-scaled furniture. Everyday, common furniture have dimensions that correlate to these measurements.

The Human Body
Average Height is about 1800 milimeters
Average width is about 450 milimeters

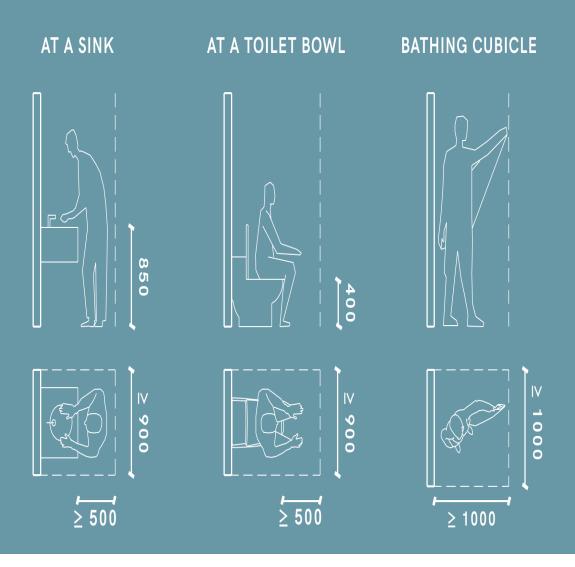


At least 700mm of space beside the bed and 900mm along circulation paths is recommended when it comes to designing shared bedroom spaces

This considers the allowance for arm movements during the changing of bedsheets and a passage of 2 people.

This also relates to anthropometry, which is the study of the scientific study of the measurements and proportions of the human body.

# **ANTHROPOMETRY (BATHROOM)**



Space for human movements during the use of the wash basin, water closet and shower should be catered for.

As a guide, at least 500m of clear space from the sanitary equipment and at least 1 x 1m space for the shower should be provided.



# MATERIAL BOARD



paints finish, wa I papers

Finishing material-laminates, paint

Flooring kota stone, vitrified tiles wooden

flooring, rubber flooring

Ceiling - grid ceiling ,gypsum board

Lighting - led lights, fluorescent light

Furniture- wooden and plastic

Doors - sliding glass door,

Plants - indoor plants



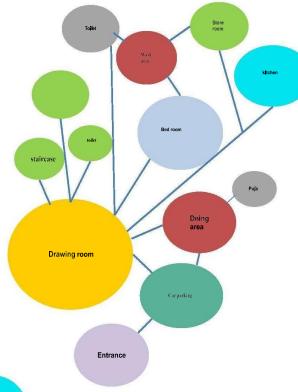


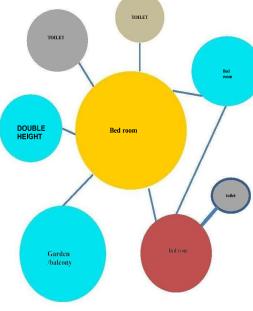
# **BUBBLE DIAGRAM**

# **REQUIREMENTS**

## **BUBBLE DIAGRAM**

- Car parking
- Bed room
- Toilet
- Kitchen
- Store
- Wash Area
- Drawing Room
- lobby
- Dining
- front Lawn
- Main gate
- Boundry wall
- Puja







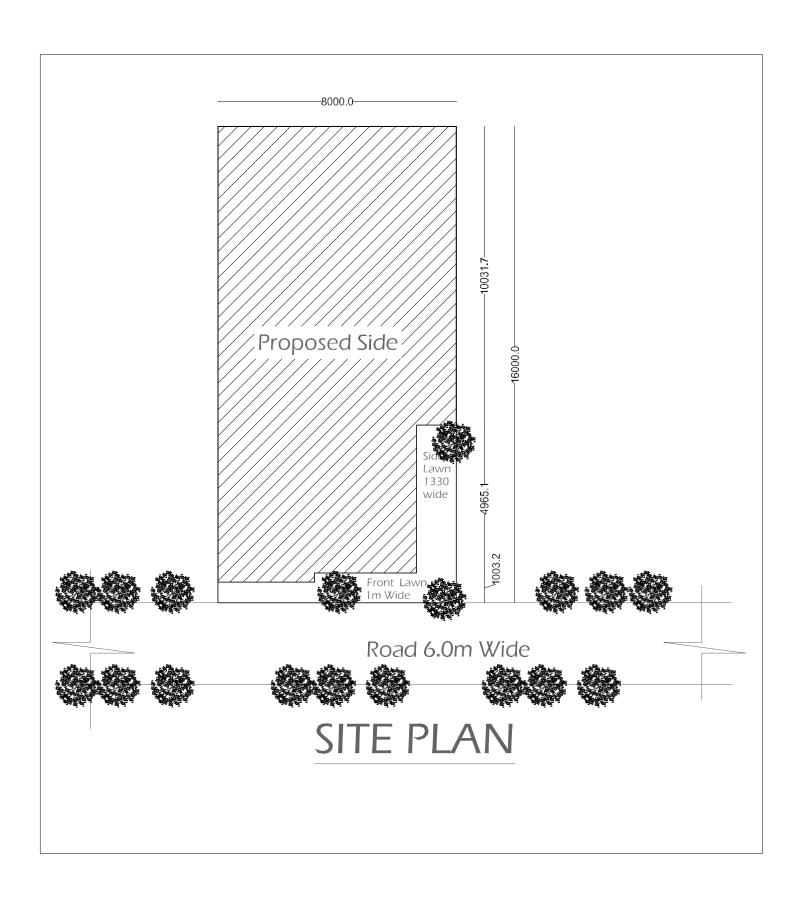


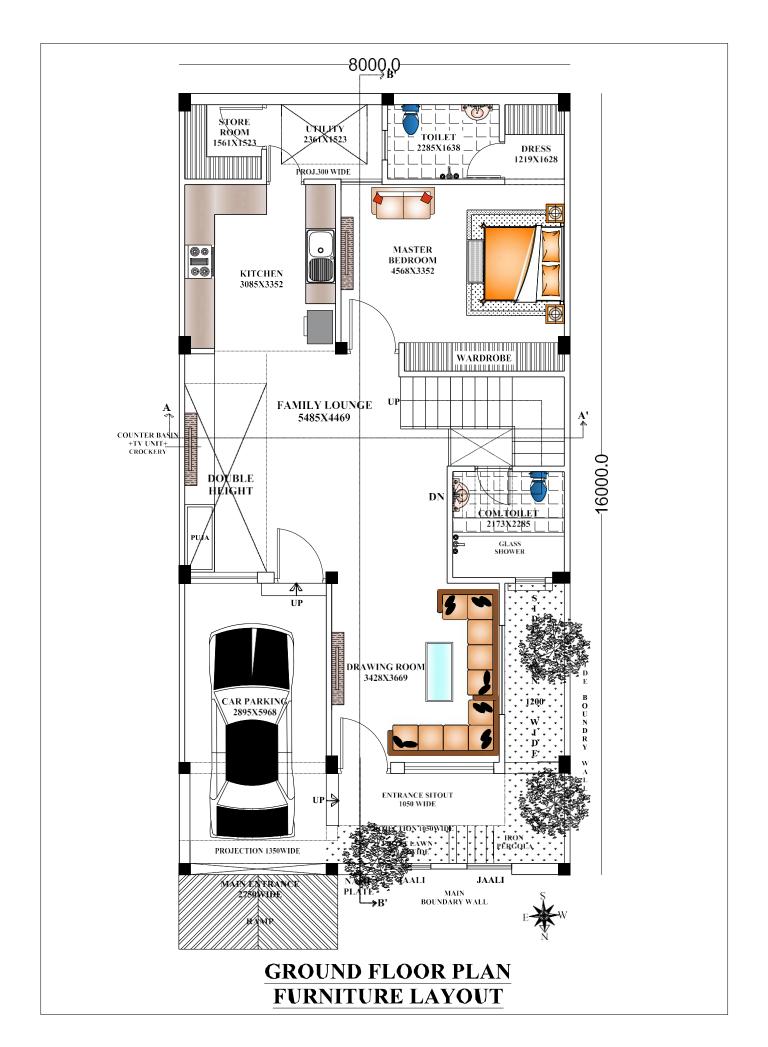
GROUND FLOOR BUBBLE DIAGRAM

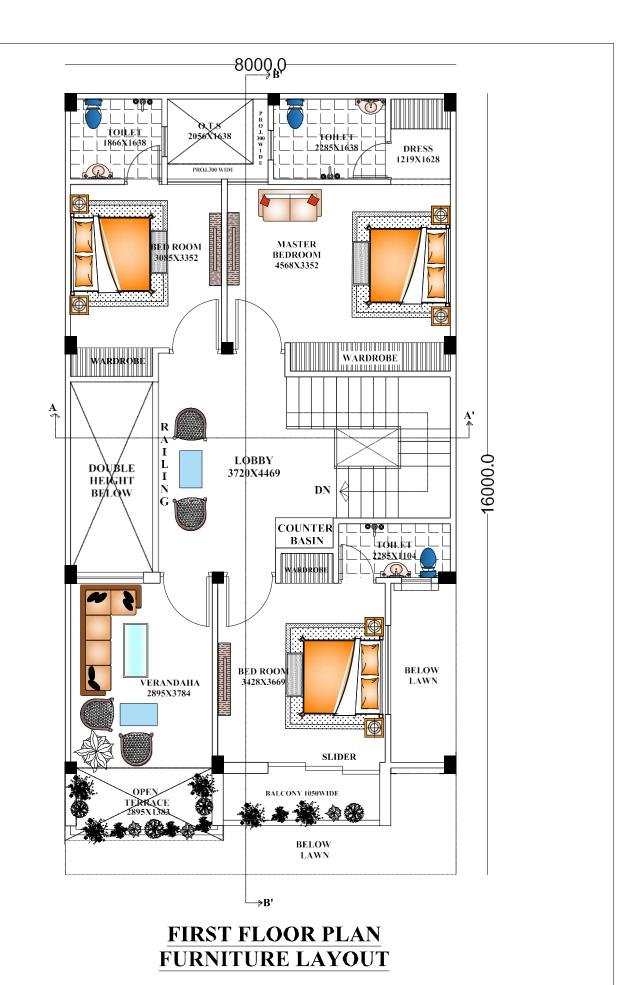


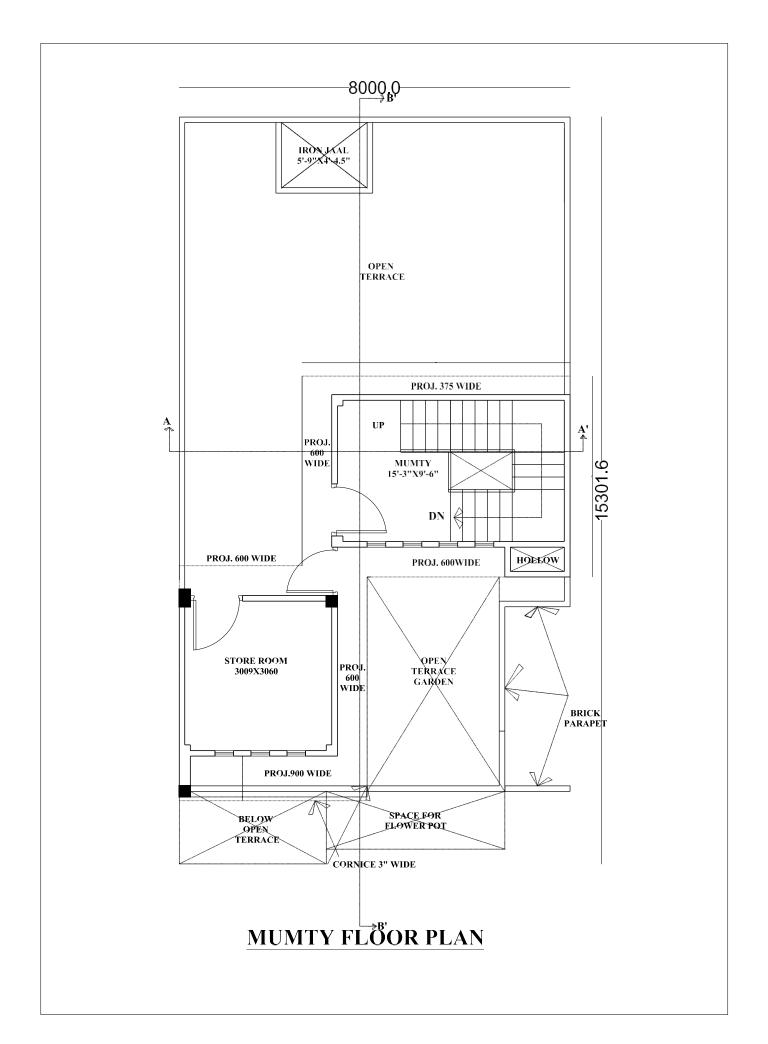
# **DRAWINGS**

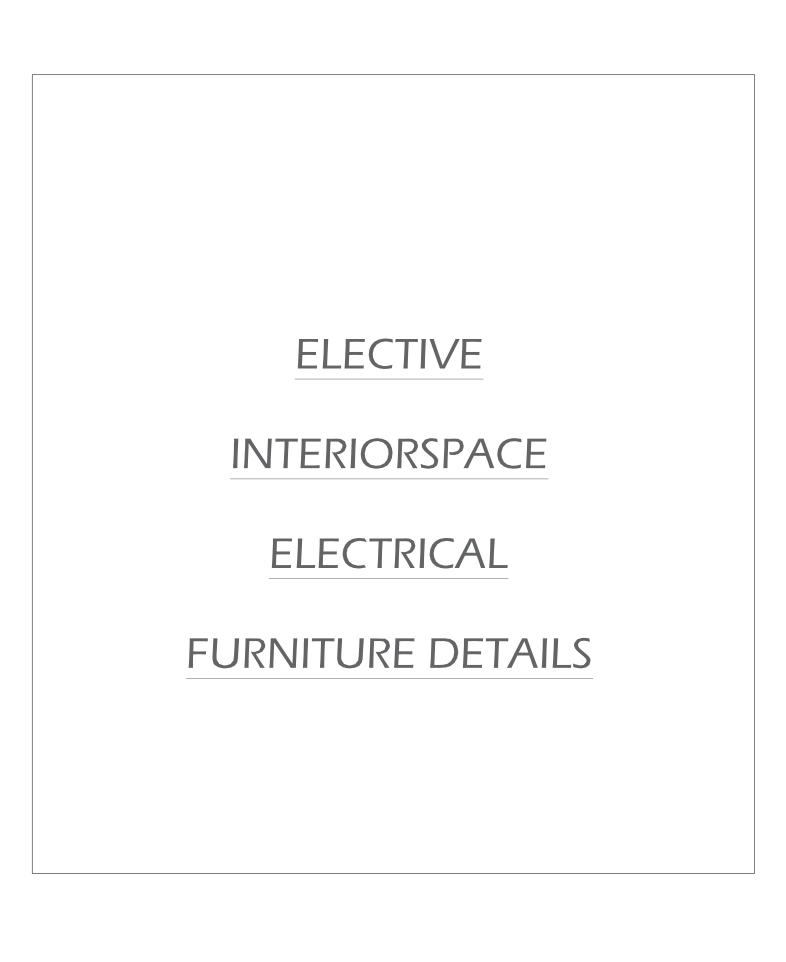


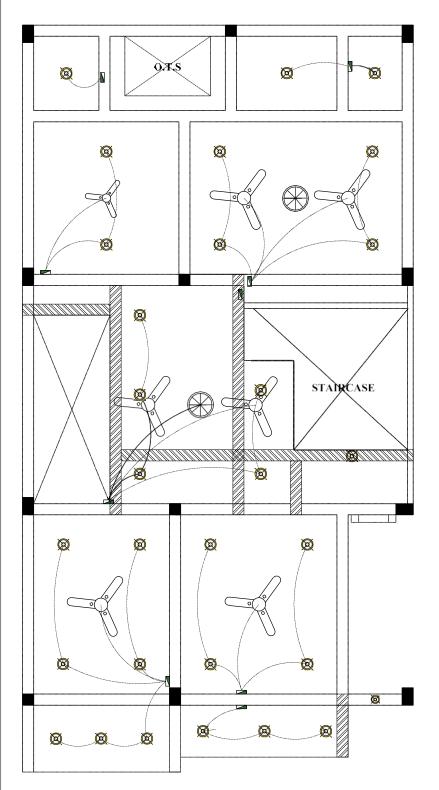








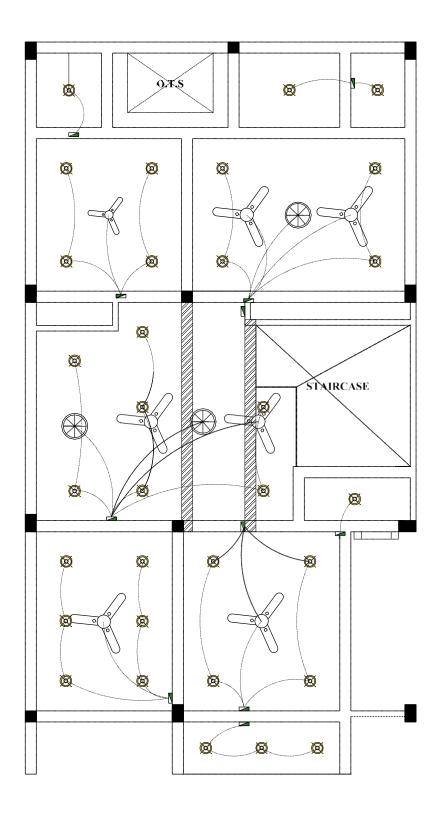




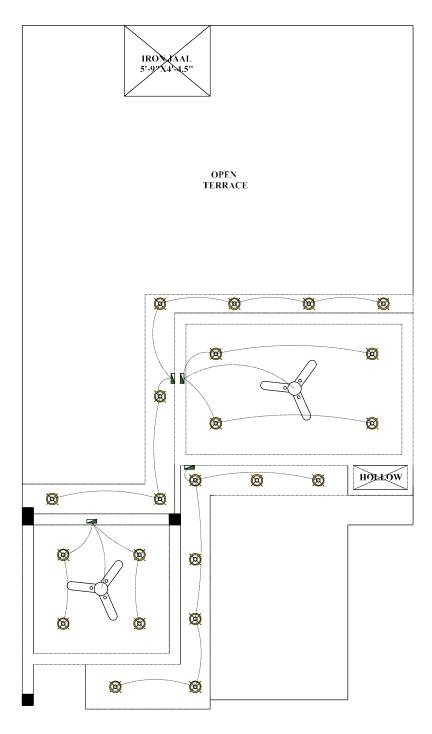
# LEGEND

SYMBOL	DETAIL	HT (FT.IN)
	FAN	
	TUBE LIGHT	9'-0"
Ø	CANCEAL LIGHT	_
Ð	BULB	9'-0"
P15	POWER POINT	1'-6"
P5tI	POWER POINT (POWER 5 AMP FOR TELEPH.)	1'-ô"
P5tv	POWER POINT (POWER 5 AMP FOR T.V.)	1'-ô"
P20	POWER POINT (POWER 20 AMP. FOR A.C.)	1'-ô"
T	TELEPHONE	_
A	TV	_
	SWITCH BOARD	3'-∂''
₫-	CALL BELL	_
•	BELL PUSH	3'-6"
•	GATE LIGHT	
8	EXHAUST	8'-0"
Đ	BED LIGHT	_
	MIRROR LIGHT	Mirror ht
MS	MUSIC SYSTEM	_
GP	GOOD NIGHT POINT	1'-6"
PC	PERSONAL COMPUTER	1'-6"
G	GYSER	_
FG	FRIDGE	_
WM	WASHING MACHINE	_
TO	TOASTER	_
DW	DISH WASHER	_
MW	MICRO WAVE	_
MG	MIXER GRINDER	_
WP	WATER PURIFIER	
	Split A.C	8'-0"
<b></b>	WI-FI	8'-ô"

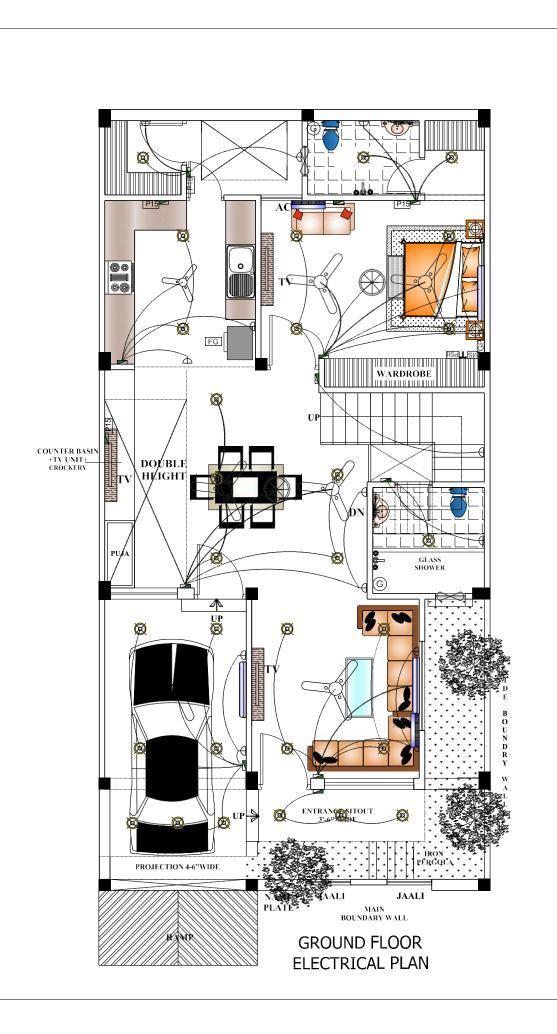
GROUND FLOOR CONDUIT PLAN

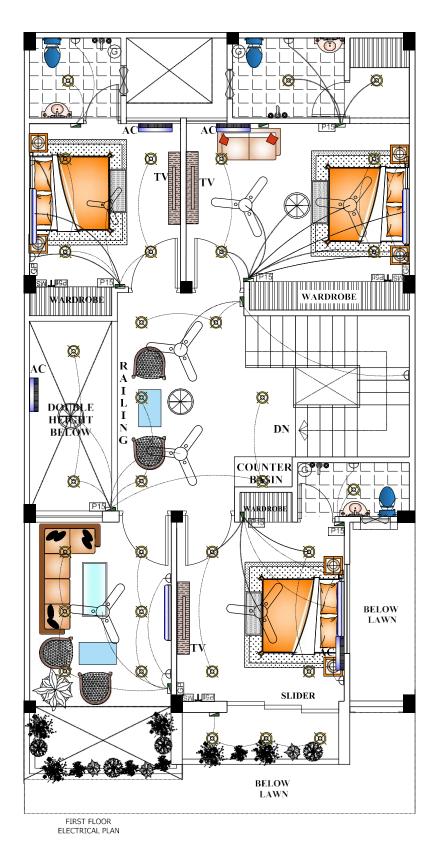


FIRST FLOOR CONDUIT PLAN

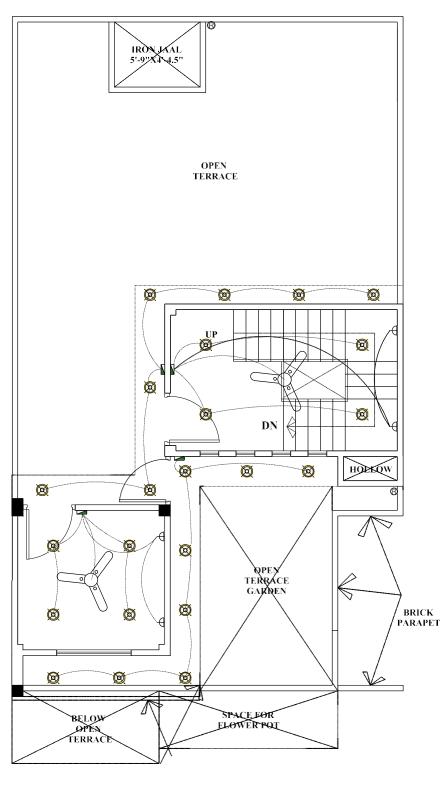


MUMTY FLOOR CONDUIT PLAN



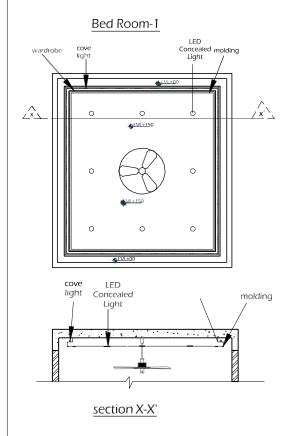


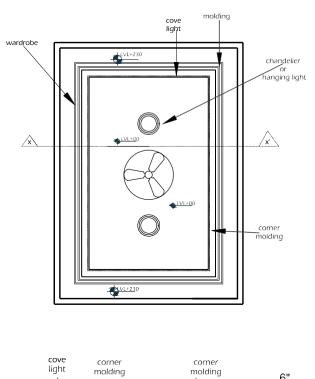
FIRST FLOOR ELECTRICAL PLAN

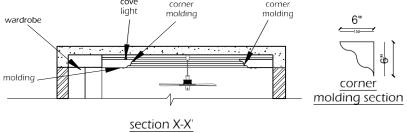


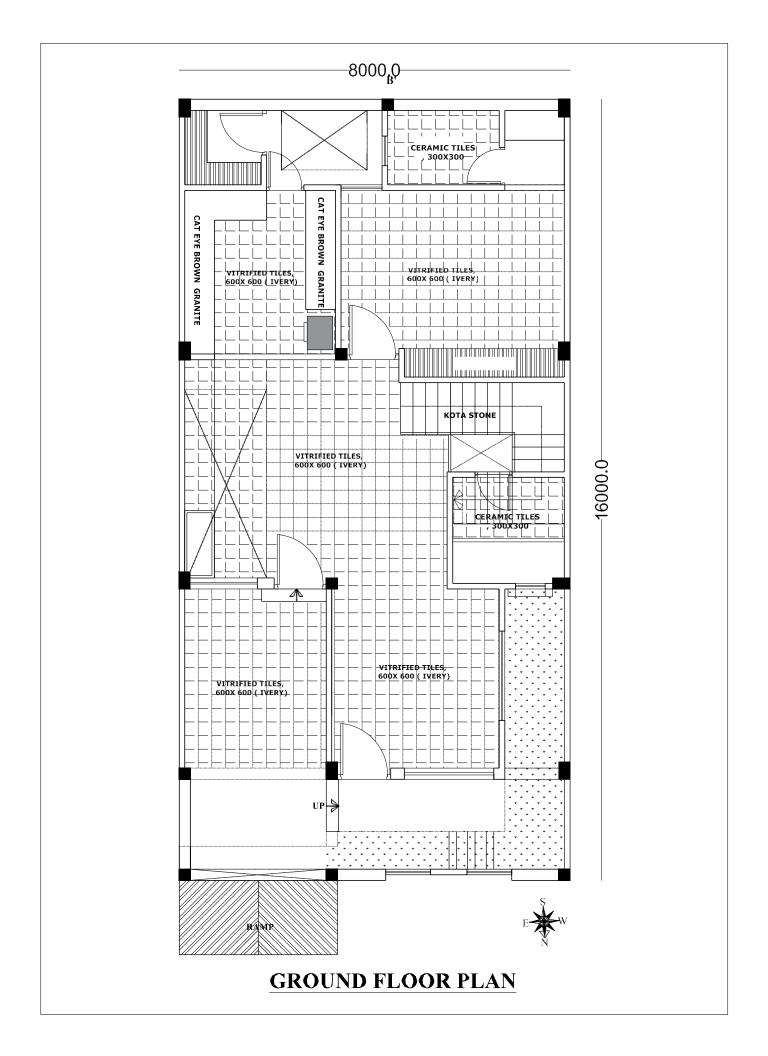
MUMTY FLOOR ELECTRICAL PLAN

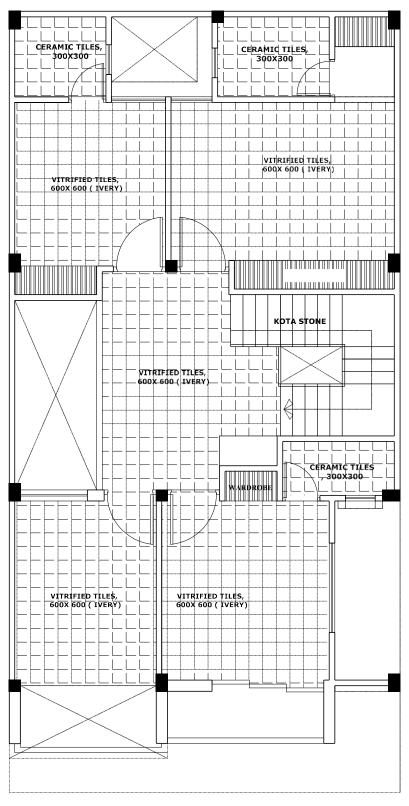
#### Bed Room-2





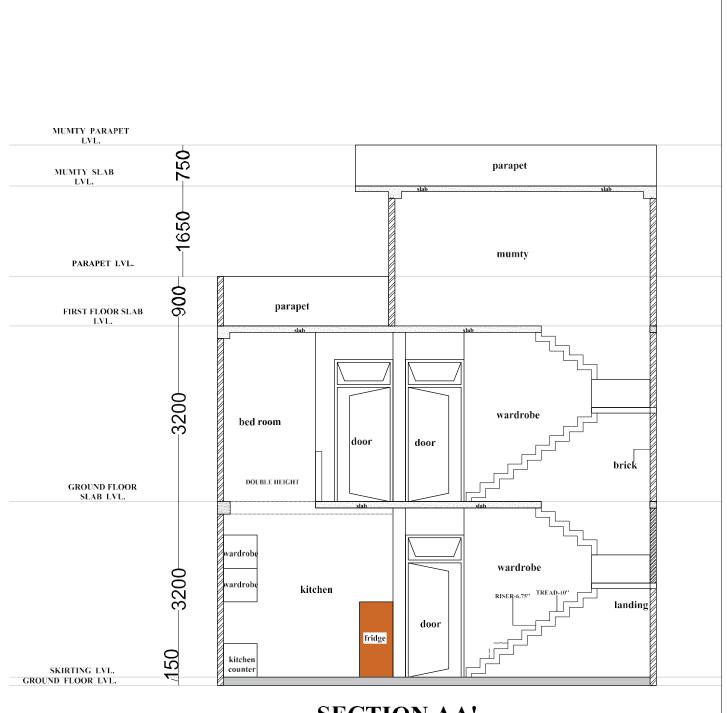






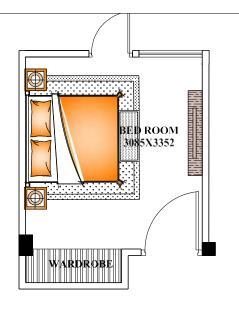
FIRST FLOOR PLAN

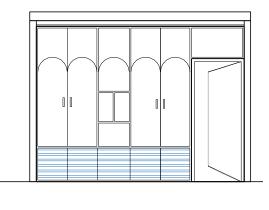
## MUMTY PARAPET LVL parapet -1676PARAPET LVL. FIRST FLOOR SLAB LVL. 9876 CILL LVL. parapet - LINTEL LVL. BOUNDARY WALL LVL com.toilet boundry wall SKIRTING LVL. GROUND FLOOR LVL **SECTION BB'**



**SECTION AA'** 

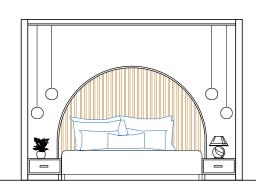


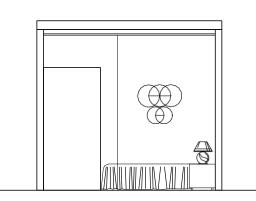




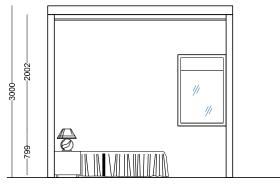
ELEVATION-AA'

PLAN





ELEVATION-CC'



**ELEVATION-BB**'

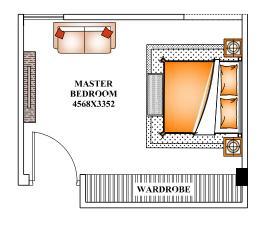


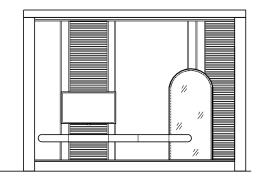
ELEVATION-DD'



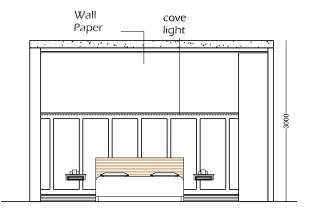


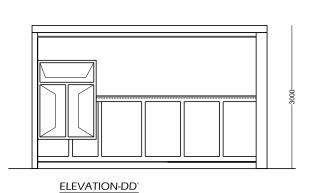
#### **BED ROOM-1 DETAILS**



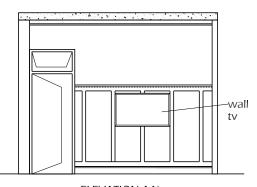


ELEVATION-DD'





ELEVATION-BB'

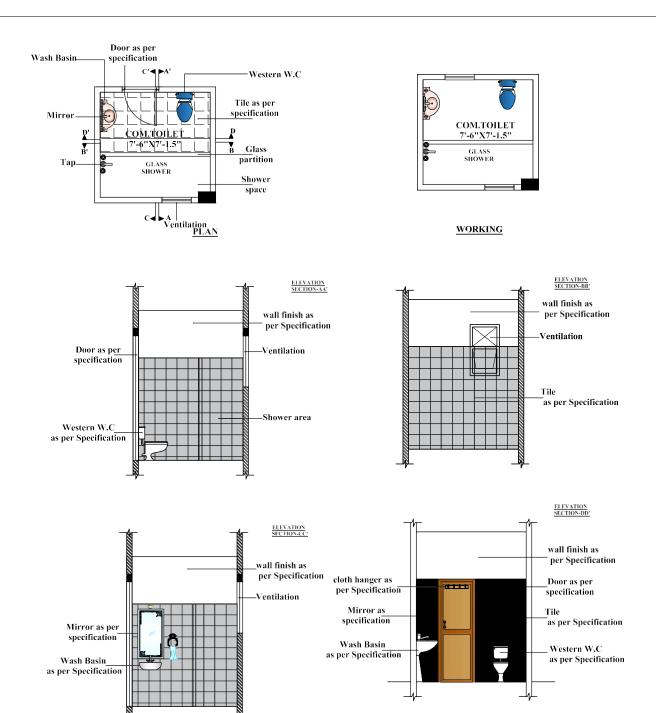




ELEVATION-AA'



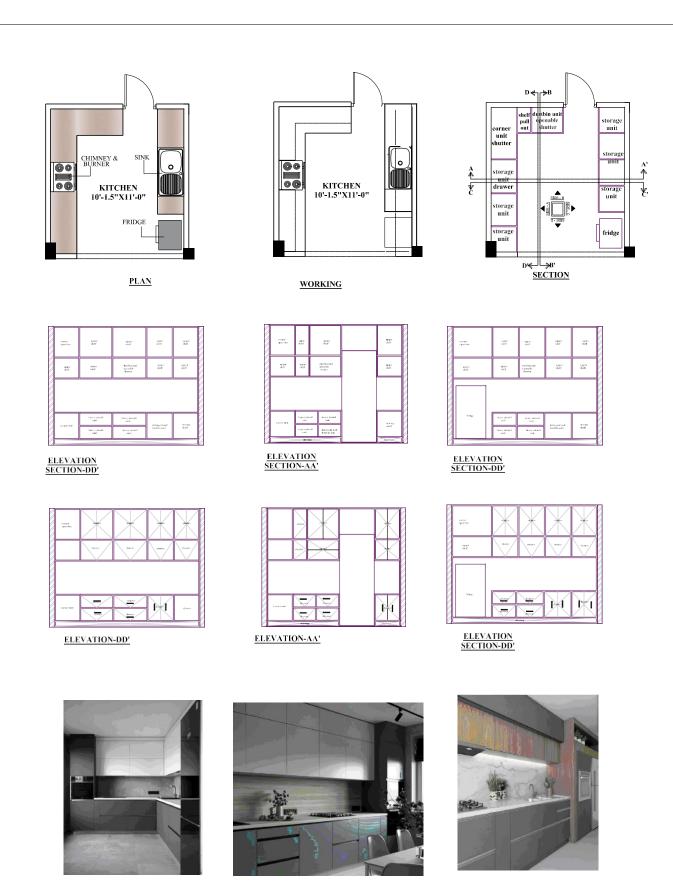
### $\frac{BED\ ROOM\text{-}2}{DETAILS}$



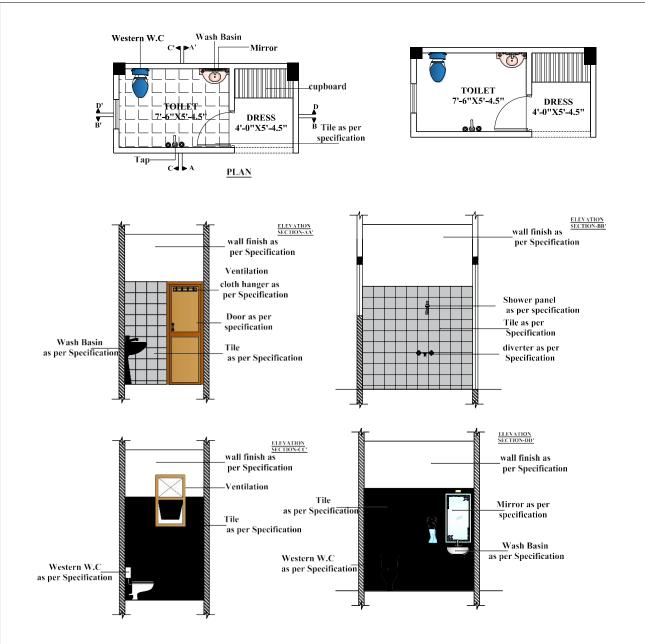




### TOILET DETAILS



#### KITCHEN DETAILS



#### **TOILET DETAILS**









 $\frac{DRAWING\ ROOM}{3D\ VIEW}$ 









# **KITCHEN 3D VIEW**







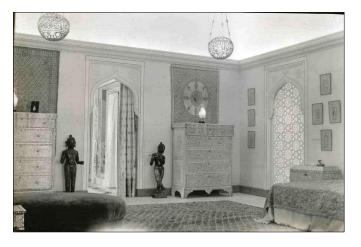


### $\frac{\textbf{DINING \& LOBBY}}{\textbf{3D VIEW}}$









BED ROOM
3D VIEW











 $\frac{\text{BED ROOM}}{\text{3D VIEW}}$