

THESIS REPORT  
ON  
**VILLA**  
**KAALIDAS MARG,LUCKNOW**

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

**BACHELOR OF INTERIOR DESIGN  
BY**

**(SHIVAM KUMAR)  
(ROLL NO. 2210107004)**

THESIS GUIDE  
**(Ar. KUWAR GHANSHYAM YADAV)**

SESSION 2023-24



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

**SCHOOL OF ARCHITECTURE AND PLANNING  
BABU BANARASI DAS UNIVERSITY, LUCKNOW (U.P.).**

**CERTIFICATE**

I hereby recommend that the thesis entitled **"VILLA , KAALIDASMARG , 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.

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Prof. Mohit Kumar  
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Recommendation      Accepted

Not Accepted

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External Examiner

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External Examiner

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1. Name : SHIVAM KUMAR

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3. Thesis Title : VILLA

4. Degree for which the thesis is submitted: B I D

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7. Specification regarding thesis format have been closely followed. Yes / No

8. The content 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 the sources used have been cited appropriately Yes / No

11. The thesis has not been submitted elsewhere for a degree. Yes / No

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# **ACKNOWLEDGEMENT**

I acknowledge my sincere thanks to my guide **Ar.KUWAR GHANSHYAM YADAV** who guided me through active participation in discussions and gave his kind cooperation throughout the process. My sincere thanks to our Thesis coordinator **Ar. SHAILESH KUMAR ,AR.ANKUR SIR**

for his cooperation and understanding at every stage of the study, which gave my study a new direction and made it more meaningful. I am thankful to our Dean, Prof. Ar. Mohit Aggarwal, for his cooperation and invaluable support. I am also thankful to the persons concerned to my studies for their cooperation and devoting their valuable time for discussing with me.. Above all, thanks to my friends for their sincere help throughout, without which this report would not have been in its present shape. Last but not the least I thank my Parents for their forever support and blessings. It would not have been possible without friends.

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**SHIVAM KUMAR**



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# INTRODUCTION



■ In India, the term bungalow or villa refers to any single family unit, as opposed to an apartment building, which is the norm for Indian middle class city living. The normal custom for an Indian bungalow is one story , but as time progressed many families built larger two-story houses to accommodate humans and pets. The area with bungalows built in 1920s–1930s in New Delhi is now known as Lutyens' Bungalow Zone and is an architectural heritage area.

■ A villa is a type of house that was originally an ancient Roman upper class country house. Since its origins in the Roman villa, the idea and function of a villa have evolved considerably. After the fall of the Roman Republic, villas became small farming compounds, which were increasingly fortified in Late Antiquity, sometimes transferred to the Church for reuse as a monastery.

■ Then they gradually re-evolved through the Middle Ages into elegant upper-class country homes. In the early modern period, any comfortable detached house with a garden near a city or town was likely to be described as a villa; most survivals have now been engulfed by suburbia.

■ In modern parlance, "villa" can refer to various types and sizes of residences, ranging from the suburban semi detached double villa to, in some countries, especially around the Mediterranean, residences of above average size in the countryside.

# HISTORY AND BACKGROUND

- ❑ A **villa** is a type of house that was originally an [ancient Roman upper class](#) country house. Since its origins in the [Roman villa](#), the idea and function of a villa have evolved considerably.
- ❑ After the fall of the [Roman Republic](#), villas became small farming compounds, which were increasingly fortified in [Late Antiquity](#), sometimes transferred to the Church for reuse as a [monastery](#).
- ❑ Then they gradually re-evolved through the [Middle Ages](#) into elegant upper-class country homes. In the [early modern period](#), any comfortable detached house with a garden near a city or town was likely to be described as a villa; most survivals have now been engulfed by [suburbia](#).
- ❑ In modern parlance, "villa" can refer to various types and sizes of residences, ranging from the [suburban semi-detached](#) double villa to, in some countries, especially around the [Mediterranean](#), residences of above average size in the countryside.

## **❑NEED OF TOPIC:**

### **❑WHAT MAKES VILLA SPECIAL.?**

**❑**A luxury home is characterized by factors that make it special, including an excellent location, beautiful views, ample natural light, exceptional design, high-quality furnishings, unique architectural elements, security measures, and comfortable amenities such as a swimming pool and well-designed landscaping.

### **❑WHAT IS A FACT ABOUT VILLA ?**

**❑**A villa is generally home to a single-family. It is a large, detached structure with spacious land surrounding it. It is very luxurious and may include amenities such as a pool, stables, and gardens.

Living in small apartments for a long time can be a bit boring sometimes, right? The small rooms, with no space for some fun, become monotonous after some time. That's why a lot of people would recommend living in a villa situated in a calm location, without the bothersome sounds and hassle.

The way our homes look says a lot about how we like to live our lives. While some prefer cozy and small apartments, some prefer the spaciousness and luxury of a villa.

Villas are spacious and premium homes that are designed according to the owner's choices. While some want a big house and a small garden or backyard, some prefer having big gardens filled with various flowers. There are many **advantages of an independent house.**

## ❑ NEED OF TOPIC:

### 1. Peace

Villas are peaceful. Even in a noisy neighborhood, an independent villa will give you a sense of peace and safety. The clam crackle of your fireplace or the soothing sight of a garden is great sources of inspiration and peace at the same time. They spark creativity in one's stressed, worn out, and tired mind. Many like painting, reading, or even sculpting in their villas, putting their minds into creative arts they love .

### 2. Privacy

Villas provide complete privacy compared to apartments. In apartments having common walls, privacy is somewhere an issue. However, villas are completely independent and provide complete privacy.

### 3. Holiday homes

They are great holiday homes or places for relaxing. A quick getaway to your villa near your favorite woods or rivers can give you the energy for a lot of work. Relaxing and taking a break have been proven to improve productivity.

### 4. Good investment

They are a great investment. In present-day situations, a **living villa** is a preferred option for investment, considering the land rates. Many also rent out their villas while they are not living there. It is a great way of making up for the maintenance.

## **5. Freedom of choice**

In many apartments, there is not much scope for decorations or customization. However, villas can be customized as per the owner's liking and can also be modified as and when wanted. This is one of the major **advantages of an independent house**. One need not worry about the neighbors getting disturbed by the noises of construction. You can also choose your neighborhood according to your preference.

## **6. Can have pets**

Many apartments have a strict no-pet policy, considering the neighbours. However, there is no such thing as villas. You can have any pets that you want without worrying about what anyone else would say. Your furry friends can play on the lawn and lie in the sun for as much time as they want. After all, pets are the joy of life!

## **7. Status symbols**

Owning a villa requires a lot of money. Being able to afford a villa is a status symbol in today's world since not everyone is able to buy them. They are like symbols of a person's hard work. They make you stand out in society. They are also gifts from you to yourself. Tokens of appreciation for all the hard work you have done and all the hardships you endured.

## **8. Amazing get-togethers**

Planning a small family getaway or a get-together for friends? No need to worry about accommodation when you have a villa! They are great places for hosting parties for friends or family. Some even plan to have their important ceremonies like weddings or baby showers in their villas. Spending your special days in a place that is so close to your heart is nothing more than beautiful



# AIM AND OBJECTIVES

A villa can be purchased as an investment and generate passive income through rentals or it can be owned for private purposes. So, whether you use it for professional reasons or for personal reasons, villas never fail to provide an opportunity to build wealth and enjoy a good life.

## SCOPE

Villas provide scope for unique, tailored designs and spacious personal outdoor areas. Row houses offer a uniform appearance and shared outdoor spaces, focusing on balancing individuality and communal living.

A Luxury Villa is a unique type of home that offers an upscale lifestyle and luxurious amenities. This style of housing is typically found in exclusive resort communities, or as standalone properties in upscale neighbourhoods. Private outdoor living areas and sprawling lawns

# REQUIREMENTS

- 4 BED ROOMS INTERIOR
- LIVING HALL INTERIOR
- ENTRANCE AREA INTERIOR
- LARGE HALL INTERIOR
- PASSAGE INTERIOR
- STAIRS INTERIOR

# LIMITATIONS

## **FEWER SERVICES IN PROXIMITY**

Although the villa communities have their own medical facilities and markets, the choices are limited. The same is the case with educational centres. Therefore, the limited retail options in the vicinity are one of the main disadvantages of living in a villa.

A space as vast as a villa is not easy to maintain. It comes with several expenses such as landscaping and lawn maintenance. Similarly, there are also pros and cons of having a swimming pool in a villa. They tend to add to the repair cost of the overall property. Therefore, when opting for a villa for living, one must allocate a specific budget for the maintenance of their home.

# **SITE IDENTIFICATION**

## **ARCHITECTS**

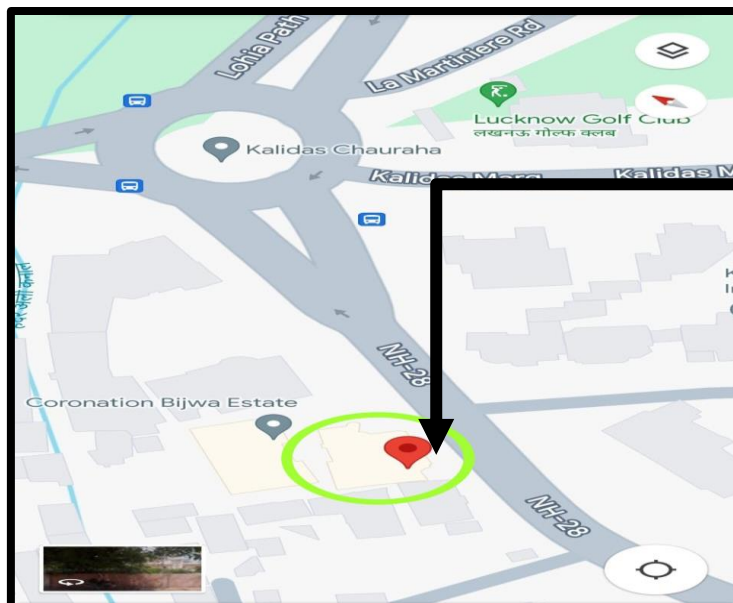
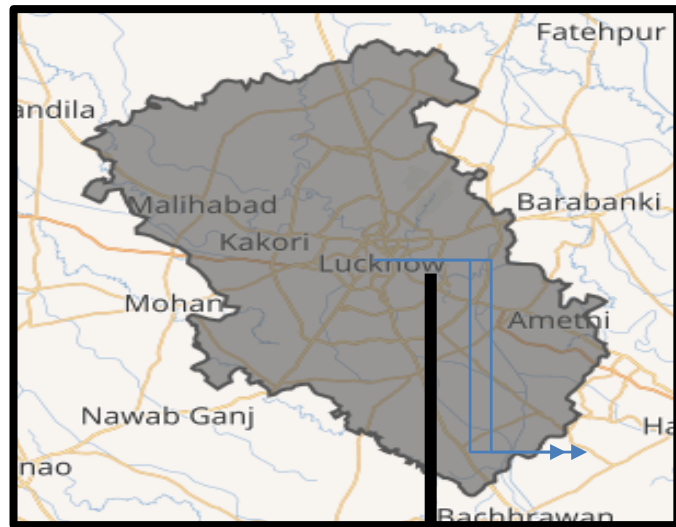
**SITE:-**

**\_VILLA**

**SITE LOCATION :-** KAALIDAS MARG, LUCKNOW

**SITE AREA :-** 6570 sqft ( **BUILT UP AREA** )

**YEAR OF CONSTRUCTION :-** 2020



**PURPOSED SITE FOR INTERIOR  
OF VILLA IN LUCKNOW**

## **ABOUT PROJECT**

Villas are peaceful. Even in a noisy neighborhood, an independent villa will give you a sense of peace and safety. The clam crackle of your fireplace or the soothing sight of a garden is great sources of inspiration and peace at the same time. They spark creativity in one's stressed, worn out, and tired mind. Many like painting, reading, or even sculpting in their villas, putting their minds into creative arts they love .

# METHODOLOGY

- ☐ Site analysis
- ☐ Site & surroundings
- ☐ Site climate
- ☐ Case study
- ☐ Literature study
- ☐ Requirement sheet
- ☐ Area analysis
- ☐ Standard sheet
- ☐ Concept sheet
- ☐ Design
- ☐ Elective
- ☐ View

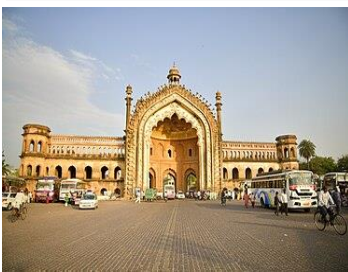
# SITE ANALYSIS

## ABOUT LUCKNOW

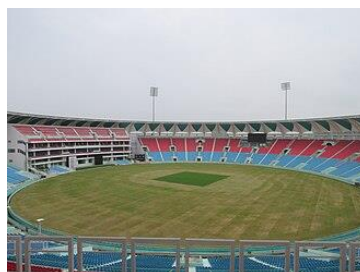
### MAJOR LANDMARK

**Lucknow** is the [capital](#) and the largest city of the [Indian state](#) of [Uttar Pradesh](#) and it is the administrative headquarters of the eponymous [district](#) and [division](#). Having a population of 2.8 million as per 2011 census, it is the [eleventh most populous city](#) and [the twelfth-most populous urban agglomeration](#) of India. Lucknow has always been a [multicultural](#) city that flourished as a North Indian cultural and artistic hub, and the seat of power of [Nawabs](#) in the 18th and 19th centuries. It continues to be an important centre of governance, administration, education, commerce, aerospace, finance, pharmaceuticals, information technology, design, culture, tourism, music, and poetry.

RUMI  
DARWAZA



IKANA  
STADIUM



BARA  
IMAMBARA



AMBEDKER  
PARK



CLOCK TOWER



JAINSHWER  
MISHRA PARK



# **SITE NEARBY LANDMARK**

CM RESIDENCE



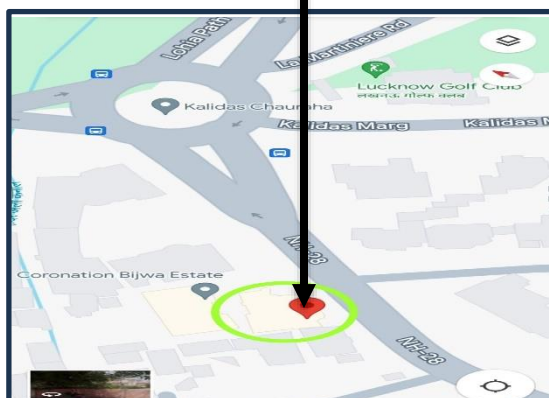
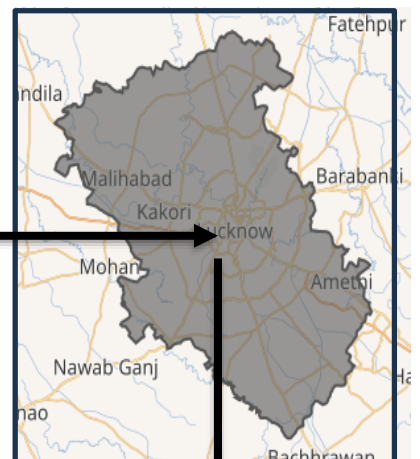
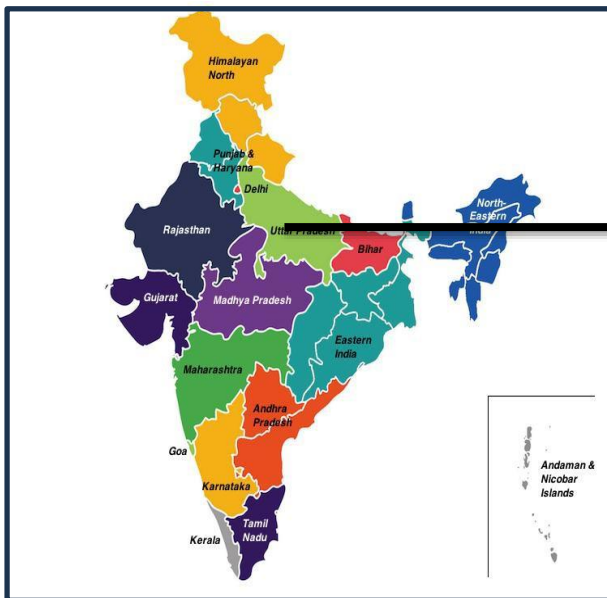
BIJWA CORONATION  
ESTATE



LKW GOLF  
CLUB



## **SITE IDENTIFICATION**





# CONNECTIVITY

RAILWAY STATION - CHARBAGH RAILWAY

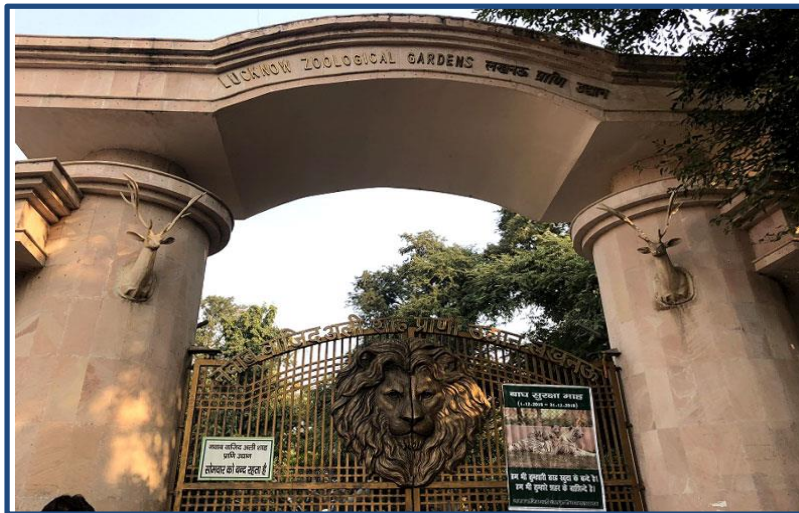
4.1 K.M.

BUS STAND - PARIVARTAN CHOWK 43.2K.M. via MG MARG

AIRPORT – CHAUDHARY CHARAN SINGH  
INTERNATIONAL AIRPORT [AMAUSI] 15.3KM

METRO STATION - SACHIVALAY METRO STATION  
VIDHAN SABHA MARG 1.7KM

## SITE - SURROUNDINGS



NAWAB WAJID ALI SHAH ZOOLOGICAL GARDEN



STATE MUSIUM

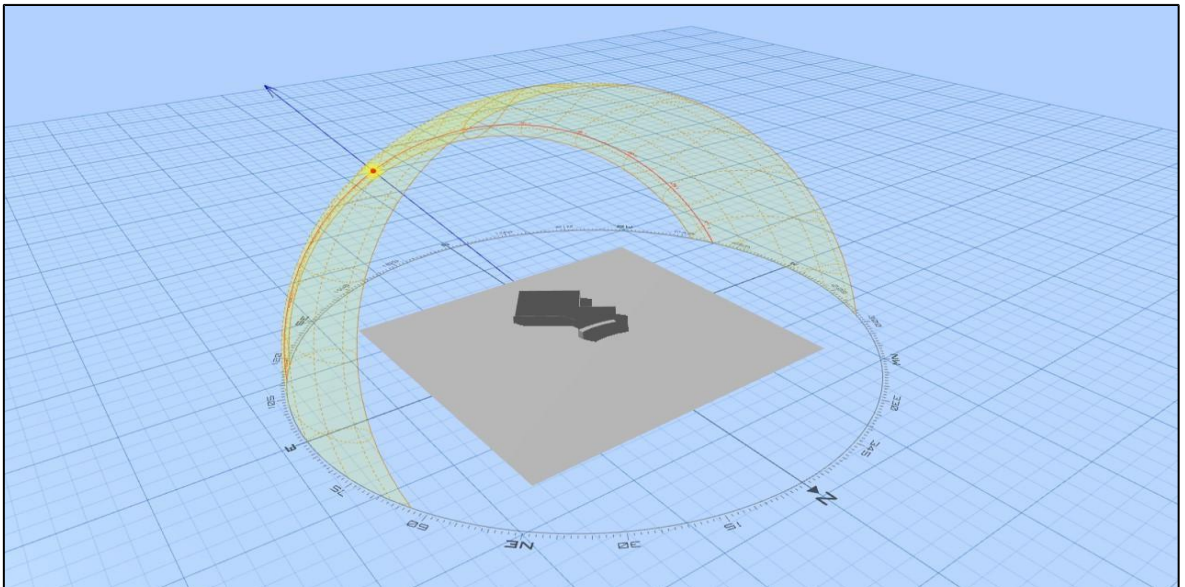


LUCKNOW ZOO



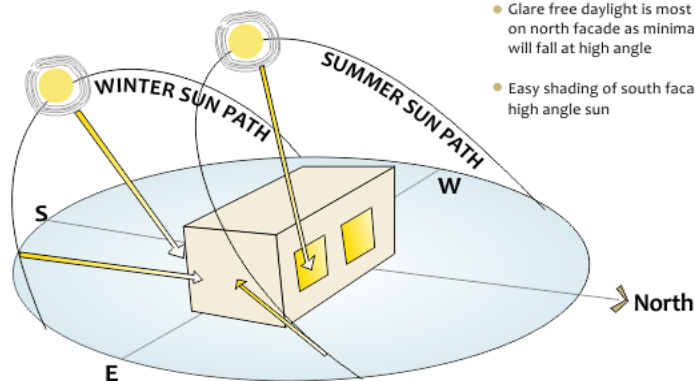
# SUN PATH

Sun path, sometimes also called day arc, refers to the daily and seasonal arc-like path that the Sun appears to follow across the sky as the Earth rotates and orbits the Sun. The Sun's path affects the length of daytime experienced and amount of daylight received along a certain latitude during a given season.



## WINTER SUN

- Sun path at a low angle, south to E-W axis
- Solar radiation will penetrate south facing facades at a low angle during winter



East and west facades continue to receive uniform, strong solar radiation at a low angle through the year.

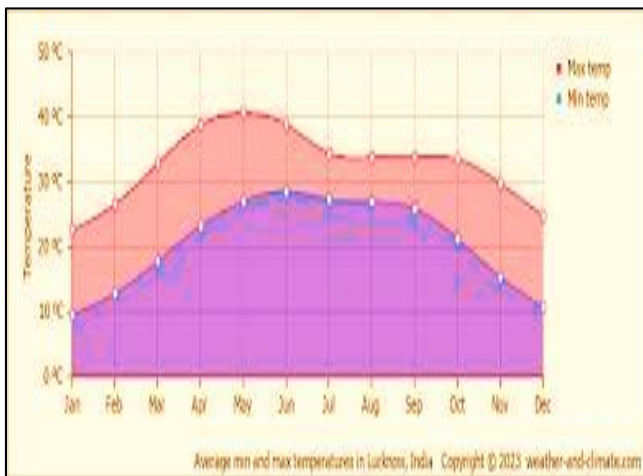
## SUMMER SUN

- Sun path at a high angle sun, north to E-W axis
- Glare free daylight is most easily available on north facade as minimal solar radiation will fall at high angle
- Easy shading of south facade from high angle sun

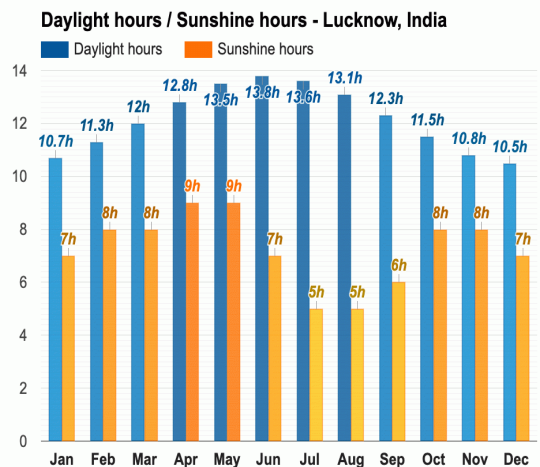
# CLIMATE DATA

The average Temperature of Lucknow is around 25°C although it vary from around 13°C during Winter (January) to 33°C during the Monsoon (June). The hottest month of the year is June with temperature varies from 25.2°C to 40.5°C. The coolest month is of the year is January, with temperature varies from 6.5°C to 23.2°C.

## DAILY SUNSHINE GRAPH



## CLIMATE GHAPH

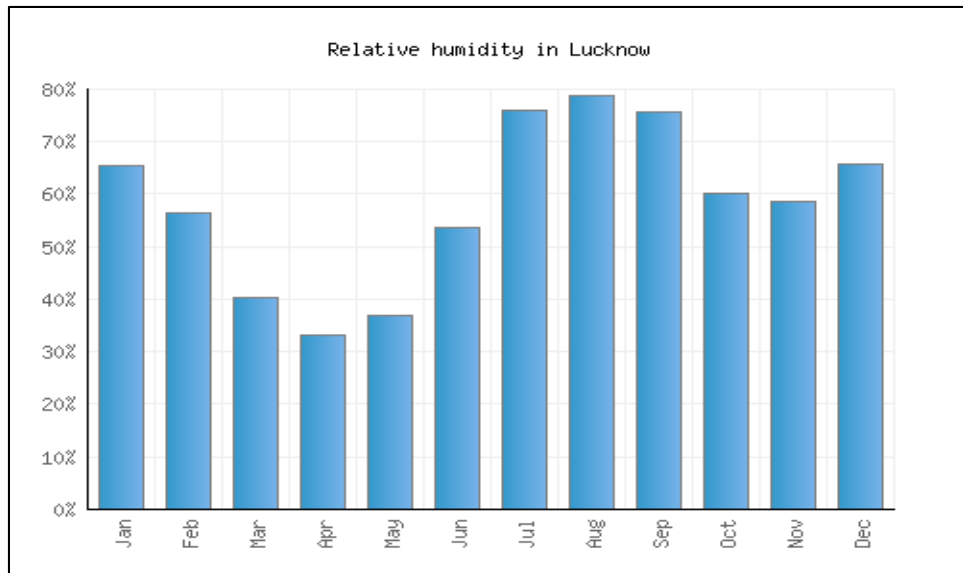


## QUICK CLIMATE INFO

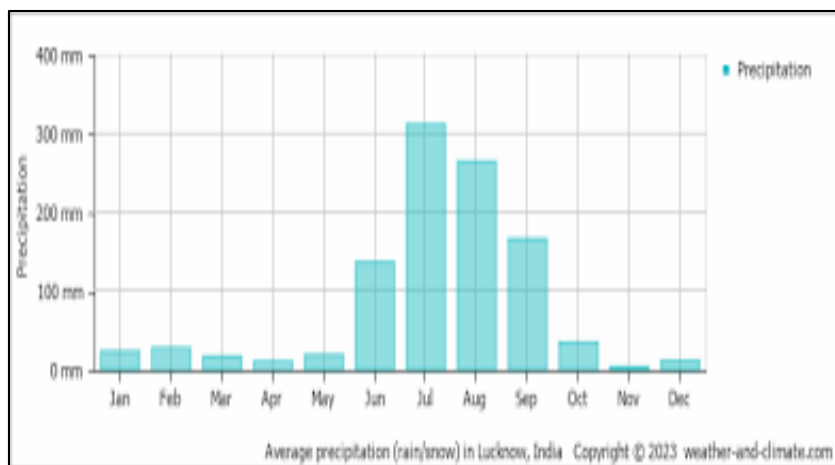
Hottest Month avg)  
Coldest Month avg)  
Wettest Month avg)  
Windiest Month avg)  
Annual precip. year)

**June** (32.9 °C  
**January** (15 °C  
**July** (142.8 mm  
**June** (10 km/h  
999 mm (per

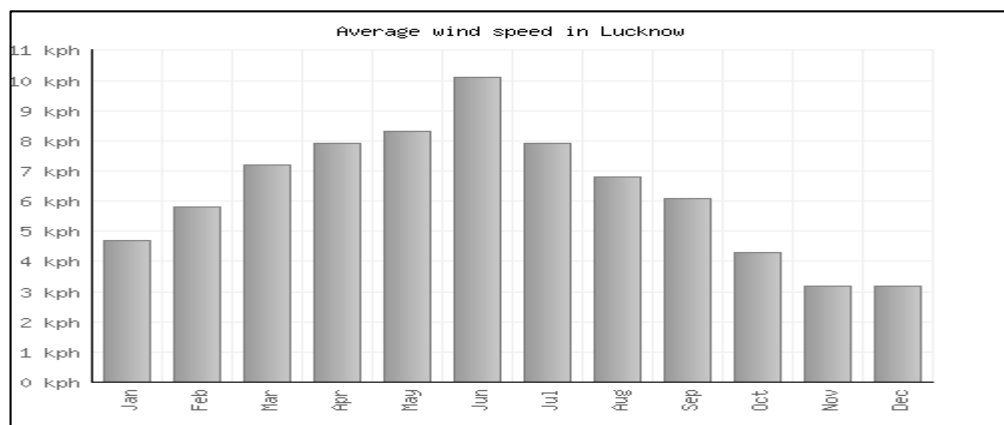
# HUMIDITY GRAPH



# PRECIPITATION GRAPH



# WIND SPEED GRAPH





# FURNITURE LAYOUT PLAN

## 6570.52 SQFT

# **LITERATURE STUDY-1**



## **18 SCREEN HOUSE**



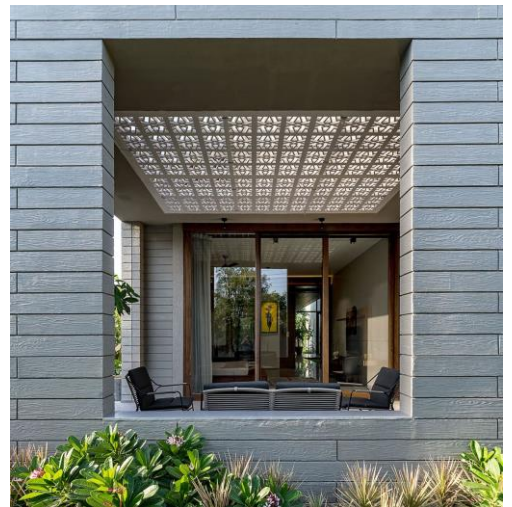
## SITE LOCATION

**PROJECT LOCATION:-**GOMTINAGAR,LUCKNOW,U.P  
**PLOT AREA :-**NINA PURI AND SANJAY PURI  
**BUILTUP AREA:-** 8,500 Sq ft.

## SITE DETAIL

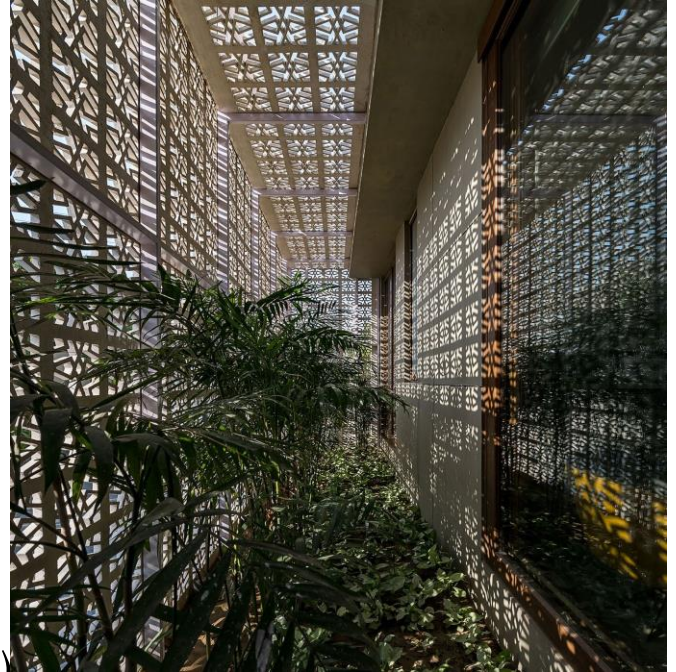
ARCHITECT	- NINA PURI AND SANJAY PURI
PROJECT TYPE -	- VILLA
LOCATON SITE AREA	- GOMTINAGAR
COMPLETION	- 18,030 Sq ft
NO.OF CAR PARKS	- OCT 2015- MAY 2019
COST OF PROJECT	-Rs.5,300-6000 per sq ft
FACING	- WEST

## INTERIOR APPROACH



18 screen house is a property located on an island site, situated at the peripheral edge of an extensive development.

“2 elements - the Chikankari and the Lucknow traditional Architecture - have been convey through these screens (*jaalis*).



## SCREENS(*Jaalis*)

Patterned screens derived from traditional Indian architecture & the famous Lucknow ‘chikan’ embroidery sheath outdoor seating areas for each room on the south, west and east sides.

These screens provide shelter from the sun, create different light patterns throughout the day and mitigate traffic noise from the busy arterial road on the southern side. Made out of GFRC (Glass Fiber Reinforced Concrete) panels, the use of these screens has helped reduce the heat gain substantially & thereby make the building more energy efficient.



# DESIGN APPROACH



## UNISON OF SPACE

The house is designed for 4 generations to live together, with the oldest generation housed at the ground level, and the younger generations on the floor above. It was, therefore, important to create multiple private spaces whilst integrating them together simultaneously.

## COURTYARD



Derived from traditional Indian Architecture, the courtyard lies central to all the fragmented blocks of the house. A large garden on the north penetrates up to the internal courtyard, gets used in the summer months as it has partial shadow most times of the day.





## FAÇADE AND MASHING

For cohesion to exist with its immediate context, the house is scaled down. The structure is fragmented into blocks at different levels. Thus, wholly, it is perceived as a series of small volumes.

The elevation of the house is defined in concrete and the Lucknowi jali. The design is simultaneously contextual to the location, sun articulation, tradition, culture and social aspects.

## CHARACTER OF SPACES

Varying volumetric proportions with differing sectional spaces create an individual identity to each living space. The interiors strive to be seamless such that the architecture as well as the play of light & shadows are not overpowered. A natural palette of sandstone and wood with muted colors, vivid Indian art and landscape are brought together.

# LIGHTING

Lighting is integrated into the design in multiple ways. They used various types of Hanging lights on ceiling with open wiring system.

They also used focus & spot lights for highlighting the walls. Texturally speaking, the space combineM natural elements like wood with modern elements like cement and metal, creating a space that is rustic yet classy like a vintage car.

The projection of Black and White silent films and the wire art adds to the dynamism of the space by creating a multi sensory experience.

## Towards a greener tomorrow

The use of screens to reduce heat, solar panels on the roof top to harness energy for water heating and general lighting, recycling of water, water sewage treatment & reuse of water for gardening, rain water harvesting and facilitation of natural ventilation .

# **MATERIALS SPECIFICATION :-**

## **FLOORING COVERING:**

- PRE SCORED PORCELAIN (SCINTILLA SAPPHIRE BLUE TILE)
- STONE DESIGN CARPET
- TERRAZZO TILE FLOORING

## **PARTITIONS:**

- WOODEN
- GLASS

## **CEILING SYSTEM:**

- DIFFUSE CEILING PANEL
- PAINT

## **FLOORING:**

- SOMANY
- KAJARIA

## **HVAC: MITSUBISHI ELECTRIC**

## **WALL ELEMENTS:**

METAL WIRE

## **LIGHTINGS:**

- FOCUSED & SPOT LIGHTS
- BRASS HANGING LIGHT
- VINTAGE WALL CAGE LIGHT

## **FURNITURE:**

- CHAIRS & TABLE MADE UP WITH BROWN TEAK WOOD WITH LEATHER FINISH
- TABLES ARE MADE UP WITH TEAK WOOD

## **LIGHT SWITCHES/BUILDING MANAGEMENT:**

- OPEN WIRING SYSTEM

## **RAILING:**

- METAL
- STAINLESS STEEL

## **SANITARY EQUIPMENT:**

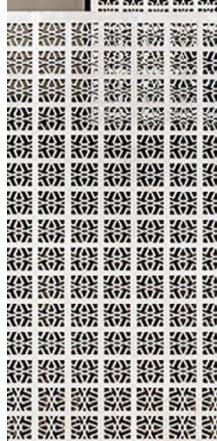
COUNTERTOP WASH BASIN/ JAQUAR

# **FRONTELEVATION**



# MATERIALS SPECIFICATION :-

## FAÇADE MATERIAL



## OTHER MATERIALS



## FLOORING MATERIAL





# MATERIALS SPECIFICATION :-

## BAATHROOM FINISHES



### Unique Material Application

Windows:	Fenesta, Ritika Woods
Lighting:	Ingioni, Lafit
Color:	Asian Paints, Oikos
Sanitaryware:	Kohler, Grohe, Gessi
Bath Fittings:	Kohler, Grohe, Gessi
Furniture:	Alsorg & custom designed
Hardware:	Hafele, Lamp
Kitchen Sink:	Nirali
Air Conditioning:	Mitsubishi, Daikin
Flooring:	Italian Marble

### Key Contributors

Structural:	Dr. Kelkar Designs Pvt. Ltd.
Civil:	Amaurya Construction
Facade:	Amaurya Construction
Landscape:	Envision
MEP:	Sanelac Consultant
HVAC:	Sanelac Consultant

# PLAN



# SECTION



# LITERATURE STUDY - THE RAMAYANA HOUSE





# INTRODUCTION

The Ramayana House is elegantly situated within the charming enclosed neighbourhood known as Shalimar Paradise in Lucknow. Serving as a splendid tribute to the Indian epic of Ramayana, the residence goes beyond being a mere physical, religious, or customary representation of the epic. Instead, it presents a modernized interpretation and embodiment of the narrative itself.



Rarely do we come across homes that tell a story in the truest and the most literal sense of the word. This home in Lucknow redefines spatial storytelling through one of the most referred epics of our country, the Ramayana. Inspired by Valmiki's rendition of the same, every space in the house is dedicated to a chapter or kand, based on the events and activities as described in each kand. The home not only celebrates our stories but also glorifies the beauty of Indian art and craftsmanship. Be it the heritage Chettinad column or the finesse of artisans from Saharanpur and Moradabad, this house mindfully uses locally available talent. With a fine blend of Indian aesthetics in a contemporary context, The Ramayana House is a beautiful example of how narratives can shape spaces.





## **SITE LOCATION**



**ARCHITECT** - LUCKNOW ,UTTAR PRADESH

**PROJECT TYPE** - VILLA

**LOCATON**

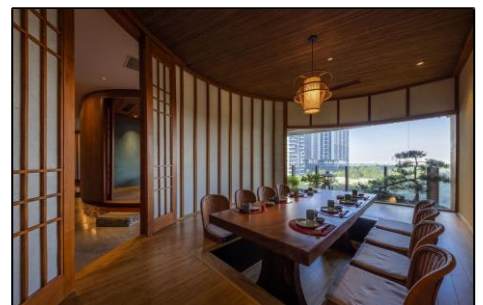
**SITE AREA** - 7,500 SQ FT

# DESIGN APPROACH



## House Within Garden

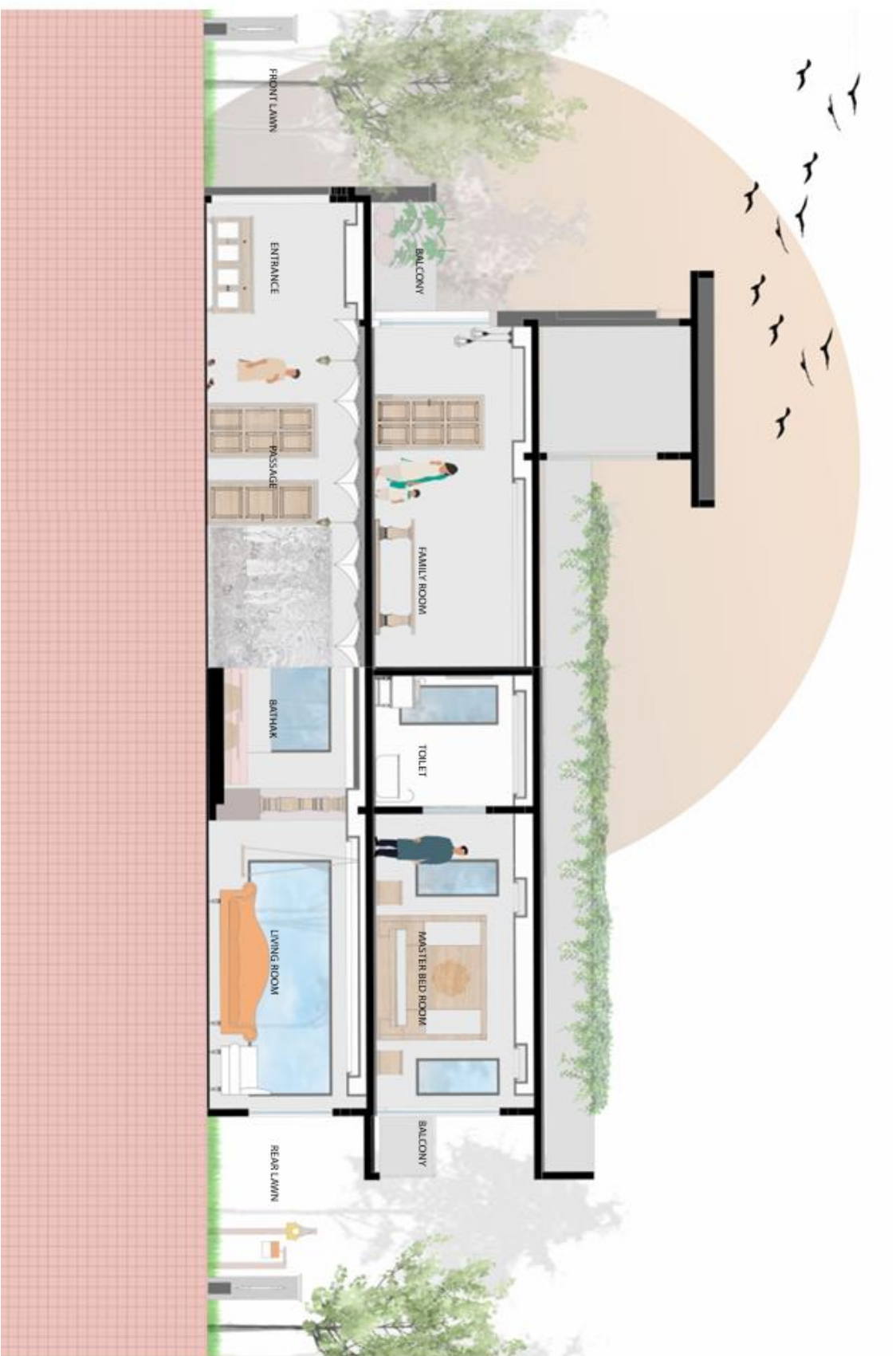
The current condition before the renovation is two Shophouse apartments located at the foot of the building in a new urban area in Hanoi, which is a concrete block covered with glass - 2 modern and hard materials. Our challenge in design is to create a restaurant space that is both cozy, friendly, and a bridge between Vietnamese and Japanese culture. With a floor height of about 4.5m for each floor, the design takes advantage of these heights in the common traffic space to create ventilation. Large spaces such as the entrance hall and the 2nd-floor dining space are arranged with a wooden roof system inside. The private dining rooms also give the impression of entering another home space in the restaurant itself, contrasting with the dry image of the block from the outside.



# PLAN







## Specifications of Villas

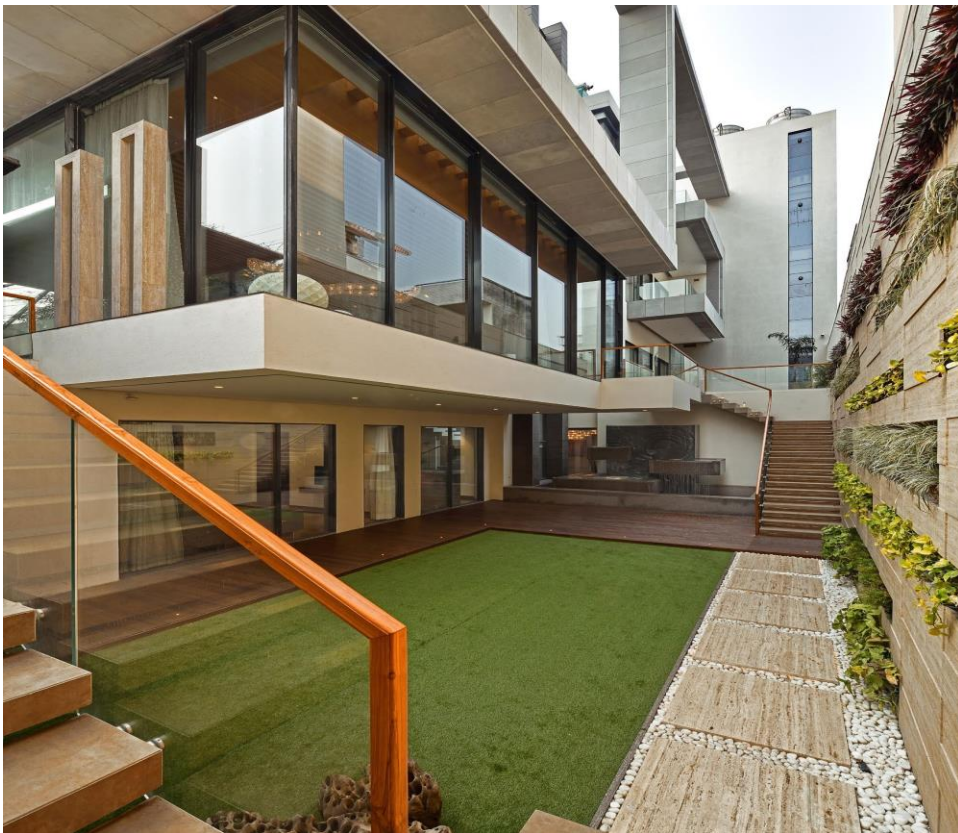
1	Flooring	Flooring -Living, family, dinning & bedroom	Double charge Vitrified tiles
		Master Bedroom flooring	Glazed Vitrified tiles
		Gym room flooring	Glazed Vitrified tiles
		Home Theater, Study room & Kitchen	Vitrified tiles
		Staircase	Thread, riser & landing area : Engineered Marbles  Hand railing & grills : Teak wood hand rail and wrought iron grills
		Kitchen & Wash basin Counter tops	Quartz
2	Doors	Main Door, Internal & toilet Doors	<p><b>Main Door frame:</b></p> <ul style="list-style-type: none"> <li>✓ Fully paneled Treated solid Burmese teak wood frame of size 2100x1500x240mm fixed on to the walls by pre-hung installation method.</li> </ul> <p><b>Main Door Shutter:</b></p> <ul style="list-style-type: none"> <li>✓ Burmese teak fully solid shutters size: 2100x1500x45mm. The width of the Main door is 5</li> <li>✓ <b>Hard wares: Antique finish</b></li> <li>✓ Mortise lever handle locking systems, Antique pull handle, Brass ball bearing hinges and magnetic catcher</li> </ul> <p><b>Internal Door frame:</b></p> <ul style="list-style-type: none"> <li>✓ Fully paneled steam <b>Beech solid</b> wood frames.</li> </ul>

			<b>Internal Door shutter:</b> ✓ Steam <b>Beech veneer</b> with 2 coats of interior PU sealer and 1 coat interior PU lacquer with solid steam beach wood lipping. <b>Hard wares:</b> ✓ <b>Satin finish</b> Mortise lever handle locking systems, Satin finish SS ball bearing hinges and SS magnetic catcher  <b>Bed room door size: 2100x900mm</b>  <b>Toilet Door size: 2100x800mm</b>
3	Windows	All windows, toilet ventilators, terrace door, balcony door, store room door and kitchen doors	UPVC doors & windows
4	Painting	Internal & External painting	External: Weather Coat All Guard. Internal: Plastic Emulsion
5	Electrical	Switches	Modular switches
		Wiring	Rajanigandha-FRLS Cables
		MCBs & DBs	Schneider
6	Sanitary & Plumbing	CP & Sanitary fixtures	Kohler, Jaguar, Queo
		Water Heater	Racold-100 LPD
		Kitchen Sink	Carysil - granite sink
		Shower enclosure	Jaquar brand- Sliding Glass partition for toilets
		Toilet flooring & wall Cladding	Vitrified body floor & wall tiles
		Roofing	Ceramic Roof tiles

7	Tiling		
8	PHE duct covering louvers	FRP Louvers	FRP Louvers
9	Pergola for covering car parking area	FRP- Wood finish pergola	FRP Wood Finish Pergola
10	Light fixtures	Villa External Light fixtures	External light fixtures made of shockproof resin material, UV-rays stabilized.
11	Common Areas	Villa front Car porch flooring	50mm rubber-mould interlock- Combination of red and black color
		Villa Surroundings	Picket fencing
		Spine road- GI street Light pole with LED	GI powder coated 9 mtr height street light pole with 85W GE Brand LED
		Internal Road- Decorative street light pole	Glowmac brand 4 mtr height street light with 65w Osram CFL
		Spine road	Bitumen road
		Internal road	60mm rubber-mould interlock

# LITERATURE STUDY

## AASHIRWAD RESIDENCE





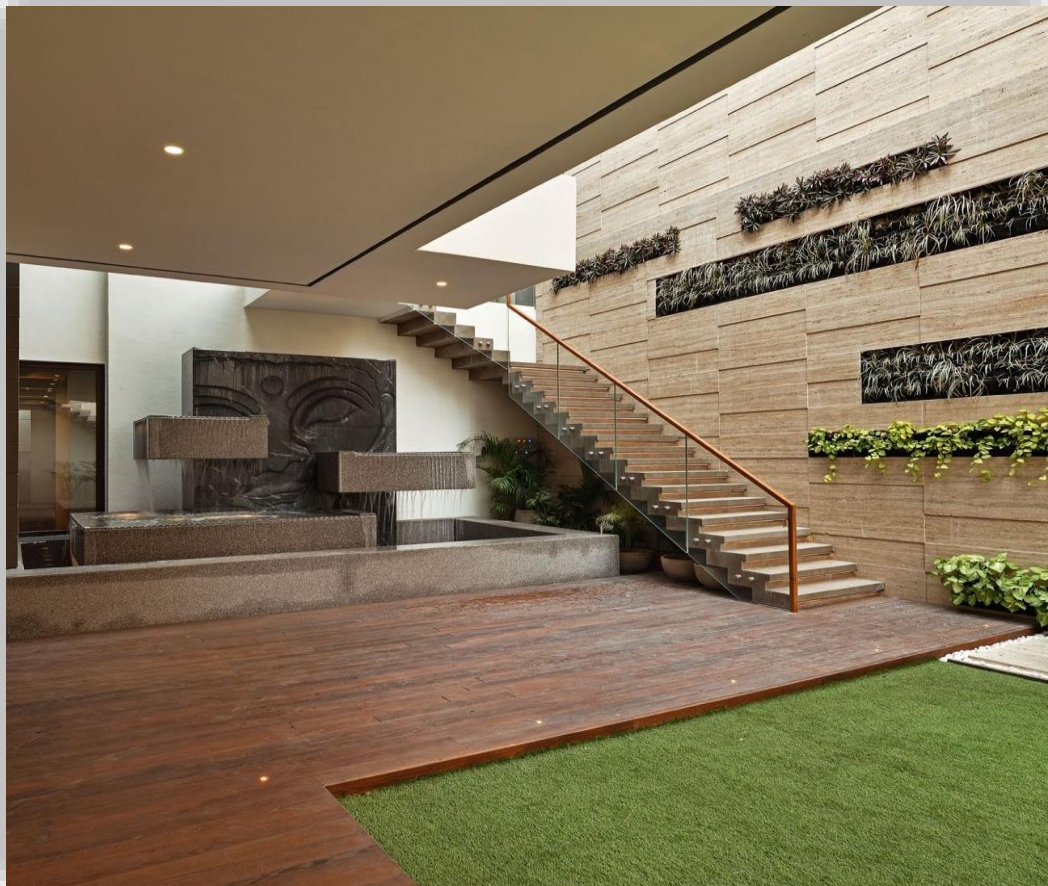
# INTRODUCTION

## AASHIRVAD RESIDENCE

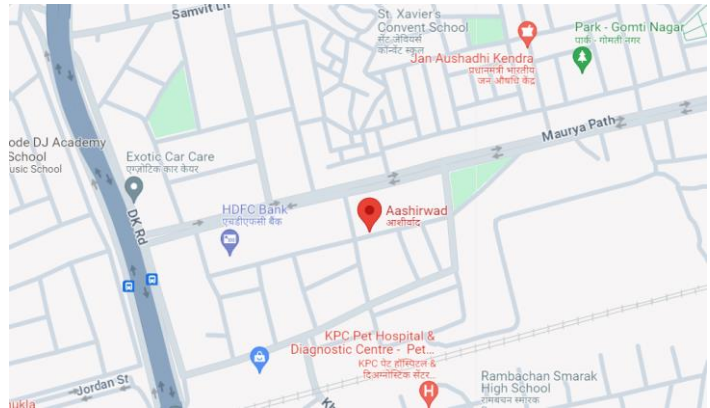
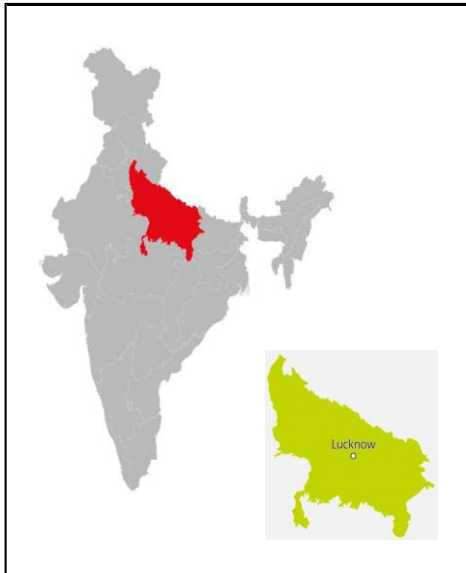
**Project Location** : Gomti Nagar, Lucknow, Uttar Pradesh  
**Architectural Firm** : 42MM Architects

**Principal Architects:** Rudrakh Charan, Priyanka Khanna,  
Adreesh Chakraborty

Plot Area : 9,000 sq ft  
No. of Car Parks : 2  
No. of Rooms : 5  
Built-up Area : 21,000 sq ft  
Timeline : June 2016 – January 2019  
Cost of Project : Rs. 11,000 per sq ft



# SITE LOCATION



## CONCLUSION

The Elevation and the external represented in the internal non-conformist stylisation where everything when put together has a soul, nothing feels out of place or monotonous. Each ingredient of the house is tailored to form a the reflection of the aspirations,

## CONNECTIVITY

- ☐ 8 km away from **Awadh Bus Station**
- ☐ 13 km away from **Indira Nagar Metro Station**
- ☐ 12 km away from **Polytechnic**

## APPROACH TO THE HOUSE

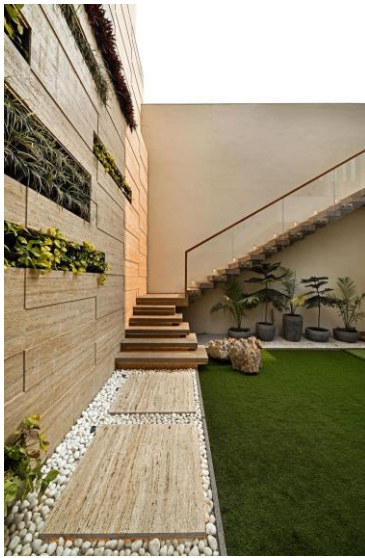


## BASEMENT FLOOR PLAN

The basement constitutes two functions- a car park and a huge art gallery. The art gallery was conceived in the place of a banquet which was a part programmatic requirement from the clients. The intervention of the art gallery was a reflection of the younger son's personality who is an avid appreciator of art. Moreover, the gallery could serve the purpose of a banquet as it does not require any furniture but large spaces for people's movement and interaction.



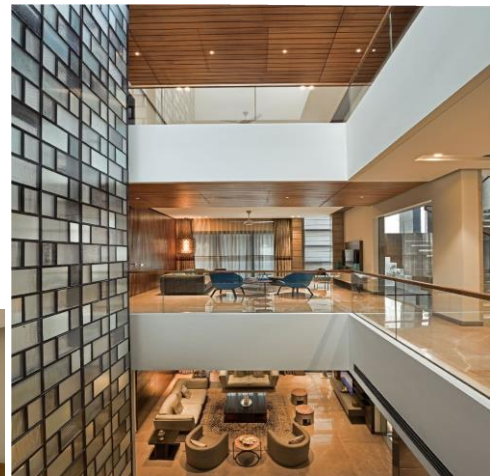
# GROUND FLOOR PLAN



## Ground Floor

On the ground floor, the volume is defined by the large terraces on the north-east and the south. A similar vocabulary of the terraces is present on the second floor. To ensure a ubiquitous presence of natural light and ventilation various punctures were defined in the functionally obtained volumes.

# FIRST FLOOR PLAN

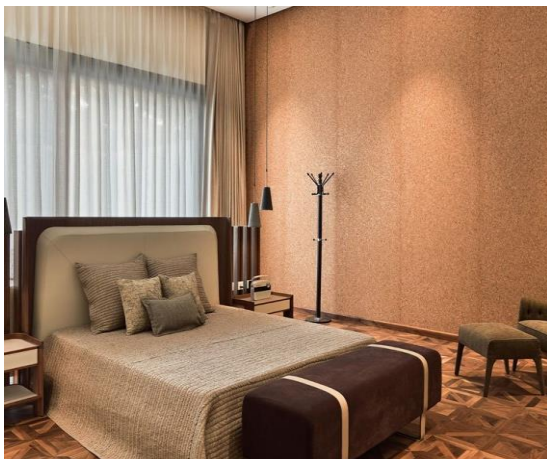


## FIRST FLOOR

The master bedrooms as per Vastu Shastra principles are placed in the southwest. A tall building was built adjacent to the main terraces which had the swimming pool and the Jacuzzi, now the louvres act as a visually cutting screen to protect the privacy of the inhabitants. To solve the problem of visibility caused by the adjacent plot at the lower levels, a vertical planter and a horizontal shading device were created. All these elements put together conformed to the visual and aesthetic sensibility of the cuboids.



## SECOND FLOOR PLAN



## INTERIORS

The interiors represent a minimalistic style. The surfaces are left pure and accessorised with a layer of art. The Elevation and the external finishes of the house are represented in the internal finishes. The composition is a non-conformist stylisation where everything when put together has a soul, nothing feels out of place or monotonous.

# **MATERIAL SPECIFICATION**

## **FLOORING COVERING:**

- BLUE COLOUR CEREMIC TILES

## **CABIN PARTITIONS:**

- PLYWOOD
- GLASS

## **CEILING SYSTEM:**

- COFFERED CEILING
- WOOD
- GLASS

## **LIGHTINGS:**

- COB LIGHTS
- PROFILE LIGHTS
- CRYSTAL GARDEN TOP LIGHT

## **FURNITURE:**

- TABLE & CHAIR MADE WITH WOODEN & STAINLESS STEEL
- 2 SEATER SOFA MADE WITH WOODEN & LEATHER FINISH

## **CUSTOM MADE FURNITURE:**

- CIRCULAR SOFA & CHAIR WITH LEATHER FINISH
- 4 SEATER DINNING TABLE MARBLE & STAINLESS STEEL FINISH WITH ARM CHAIR LEATHER FINISHED.

## **LIGHT SWITCHES/BUILDING MANAGEMENT:**

- SWITCHBOARD/CHARCOAL GREY

**RAILING:** WOODEN HANDLE & METAL DESIGN

**FLOORING:** SOMANY/KAJARIA

**HVAC:** MITSUBISHI ELECTRIC

## MATERIAL USED

The construction of the house employs prefabrication technology only the civil and the MEP services were in situ. All the doors, panels stones, false ceiling etc. were made inn factory , transported and installed at the site. Material used are exposed concrete ,leather, untreated wood , stone and metal.

## CLIMATE DATA

### All Year Climate & Weather Averages in Lucknow

- |   |  |
|---|--|
| <input type="checkbox"/> High Temp: 40 °C | <input type="checkbox"/> Dew Point: 17 °C    |
| <input type="checkbox"/> Low Temp: 8 °C   | <input type="checkbox"/> Wind: 7 km/h        |
| <input type="checkbox"/> Mean Temp: 25 °C | <input type="checkbox"/> Pressure: 1008 mbar |
| <input type="checkbox"/> Humidity: 65%    | <input type="checkbox"/> Visibility: 4 km    |

## INTERIOR APPROACH





CONCEPT

# INTRODUCTION

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Modern Theme: The modern theme is characterized by clean lines, minimalism, and simplicity. This theme uses a neutral color palette, including shades of white, beige, and gray, and often incorporates natural materials like wood and stone.

## ELEMENTS

- A modernism-themed villa incorporates key elements of the modernist architectural movement, which emerged in the early 20th century and emphasizes simplicity, functionality, and the rejection of ornamentation. Here are the main elements you might find in a modernism-themed villa:

- 1. **Clean Lines and Geometric Shapes**: Modernist villas feature clean, straight lines and often incorporate geometric shapes such as rectangles, cubes, and squares. The emphasis is on simplicity and clarity of form.

- 2. **Open and Flexible Floor Plans**: Modernist villas typically have open floor plans that create a sense of spaciousness and flow between different areas of the home. Walls are often minimized to allow for flexible use of space.

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- 3. **\*\*Integration of Indoor and Outdoor Spaces\*\***: Modernist villas blur the distinction between indoor and outdoor living, often using features like floor-to-ceiling windows, sliding glass doors, and terraces or patios that extend the living space into the natural surroundings.
- 4. **\*\*Flat Roofs and Horizontal Emphasis\*\***: Flat roofs are common in modernist architecture, emphasizing horizontal lines that contribute to a sense of horizontality and unity with the landscape.
- 5. **\*\*Emphasis on Functionality and Efficiency\*\***: Modernism prioritizes functionality and efficiency in design. This can be seen in the layout of rooms, use of space-saving solutions, and integration of modern technologies for comfort and convenience.
- 6. **\*\*Use of Modern Materials\*\***: Modernist villas utilize materials such as concrete, steel, glass, and exposed brick or wood. These materials are often left in their natural state or used in a way that showcases their inherent textures and qualities.

•7. **\*\*Minimalist Interior Design\*\***: The interior design of modernist villas tends to be minimalist, with a focus on clean surfaces, neutral colors, and a lack of clutter. Furniture and decor are often chosen for their functionality and aesthetic simplicity.

•8. **\*\*Natural Light and Ventilation\*\***: Modernist villas emphasize the use of natural light and ventilation to create bright, airy spaces. Large windows, skylights, and light wells are common features that enhance the interior environment.

•9. **\*\*Innovative Structural Techniques\*\***: Modernist architecture often incorporates innovative structural techniques that allow for open spans and large, unobstructed spaces. This may include the use of steel frames, cantilevered structures, and reinforced concrete.

•10. **\*\*Integration of Technology\*\***: Modernism embraces technological advancements in building materials and systems. This includes energy-efficient designs, smart home technologies, and sustainable building practices.

•Overall, a modernism-themed villa embodies the principles of simplicity, functionality, and harmony with its environment. It seeks to create a timeless aesthetic that remains relevant and appealing in contemporary architecture.

# INSPIRATION

The inspiration for modern-themed villas draws from several sources, reflecting a blend of historical influences, cultural shifts, technological advancements, and evolving design philosophies.

In essence, the inspiration for modern theme villas is a dynamic fusion of historical movements, technological innovations, cultural influences, and contemporary design philosophies that continue to evolve with the times.

## COLOUR THEME

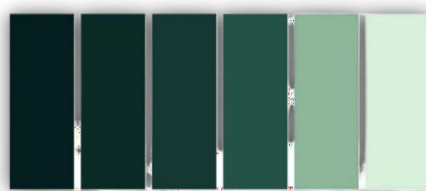
**Neutral Colors:** Modern villas often feature a palette dominated by neutral colors such as white, grey, beige, and taupe. These hues create a sense of calmness, spaciousness, and flexibility, allowing for easy integration of different design elements.

In summary, the colors theme of a modern villa aims to create a serene, sophisticated environment that balances neutrality with carefully selected accents to enhance visual interest and reflect the principles of modern design.

### FURNITURE FINISH



### WALL FINISH





# APPROACH

The approach to designing and conceptualizing a modern villa encompasses several key principles and considerations, reflecting contemporary architectural trends and lifestyle preferences. Here's a comprehensive approach to creating a modern villa:

Overall, the approach to designing a modern villa revolves around creating a harmonious balance between functionality, aesthetics, sustainability, and technological innovation. By integrating these principles thoughtfully and creatively, designers can achieve a modern villa that embodies contemporary living at its best.



# CULTURE

The culture of modernism in villa design encompasses a set of philosophical, artistic, and lifestyle principles that emerged primarily in the early to mid-20th century. Here's a detailed exploration of the cultural aspects of modernism as applied to villas.

In summary, the culture of modernism in villa design represents a holistic approach to architecture that prioritizes functionality, technology, integration with nature, and a commitment to social progress. It remains a significant influence in shaping residential environments that reflect the values and aspirations of their time.

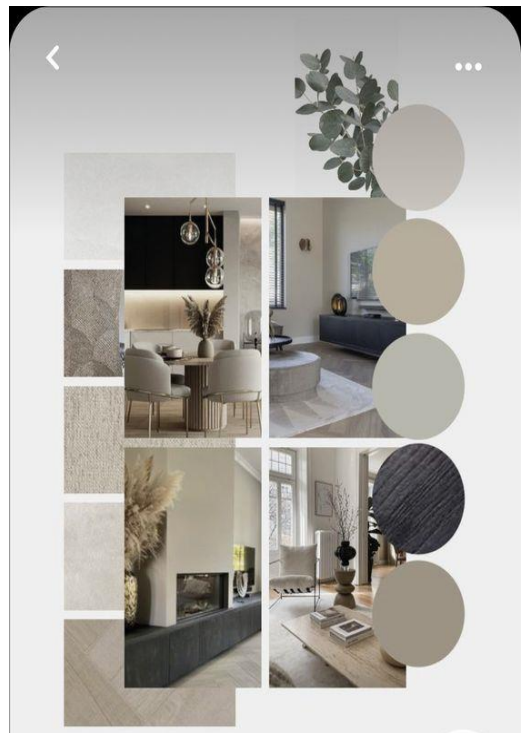




# MATERIAL BOARD

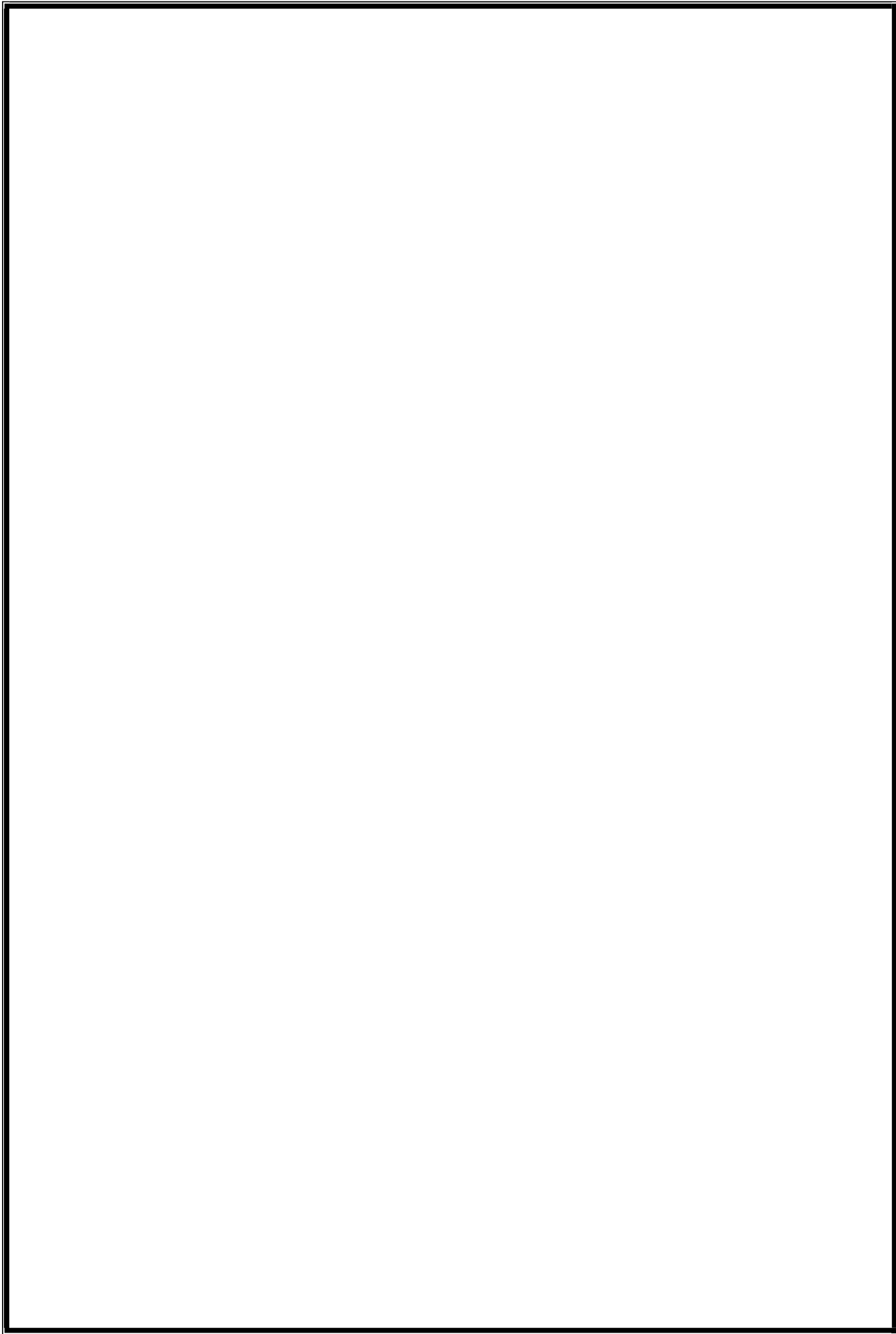


Modern



**ELECTIVE**

**WORKING DRAWING**





**ELETIVE**

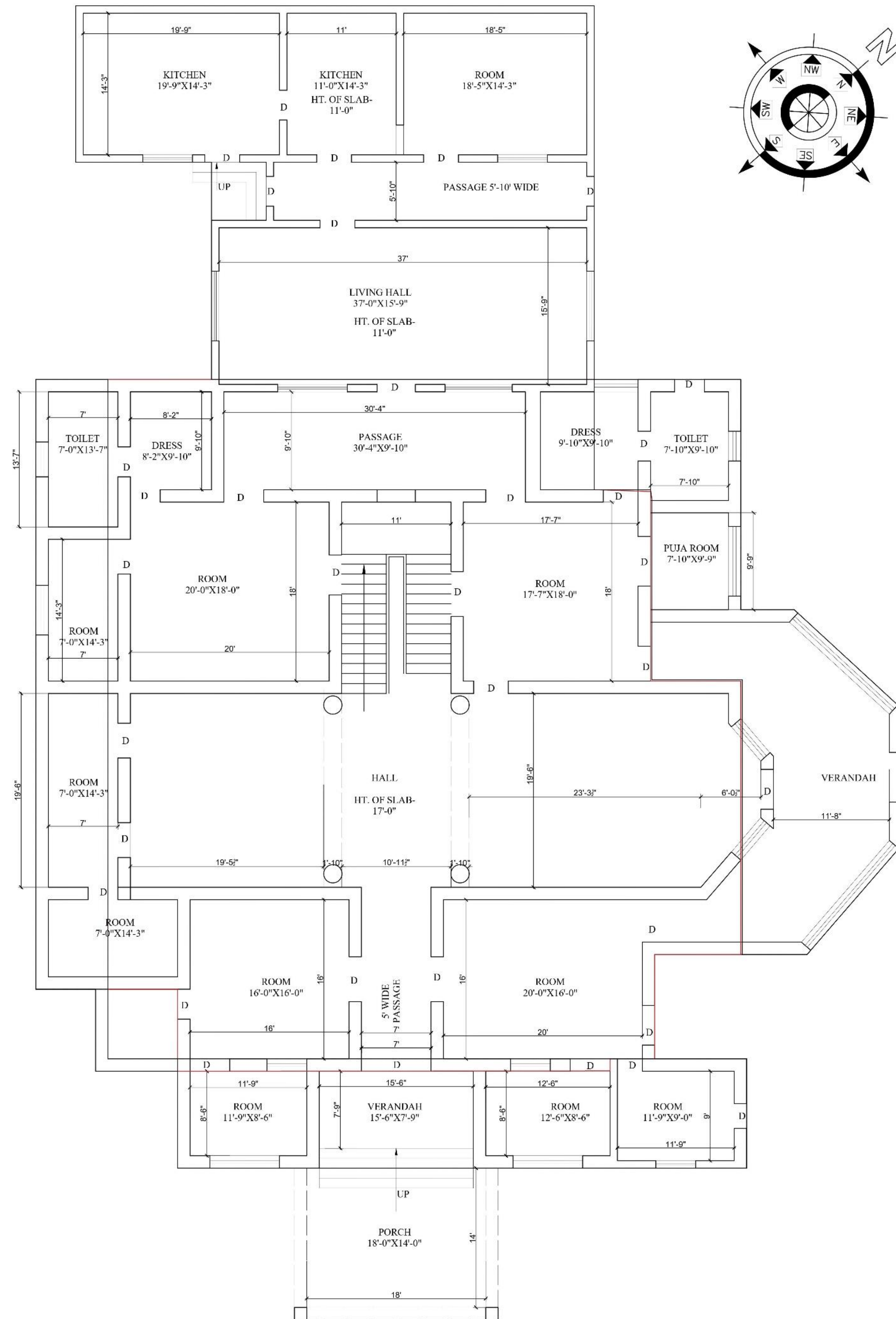
**ELECTRICAL AND LIGHTING**

# **DESIGN DEVELOPMENT**

**FLOORING,FALSE CEILING**

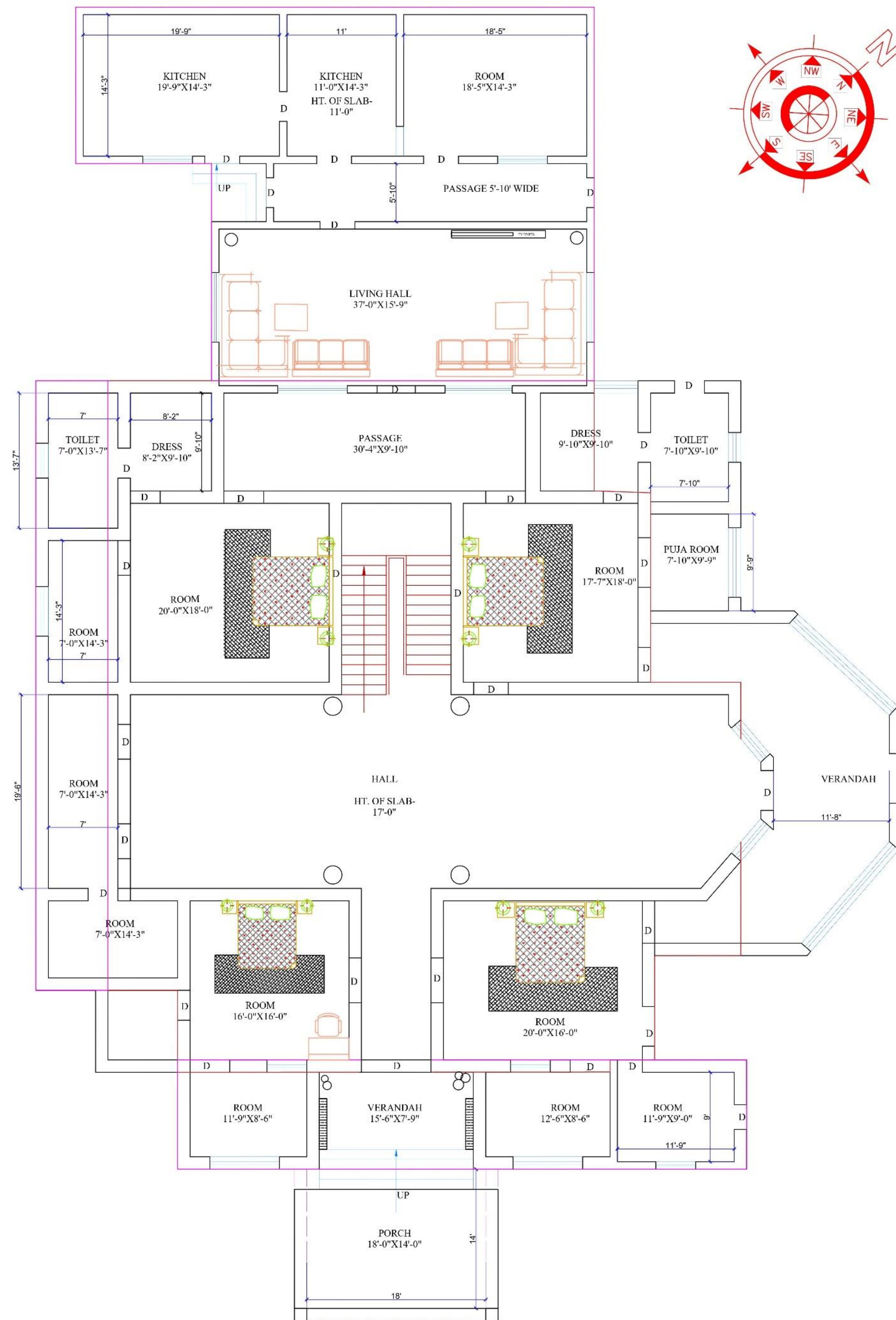
# **DESIGN DEVELOPMENT**

**WALL ELEVATIONS/3D VIEW**



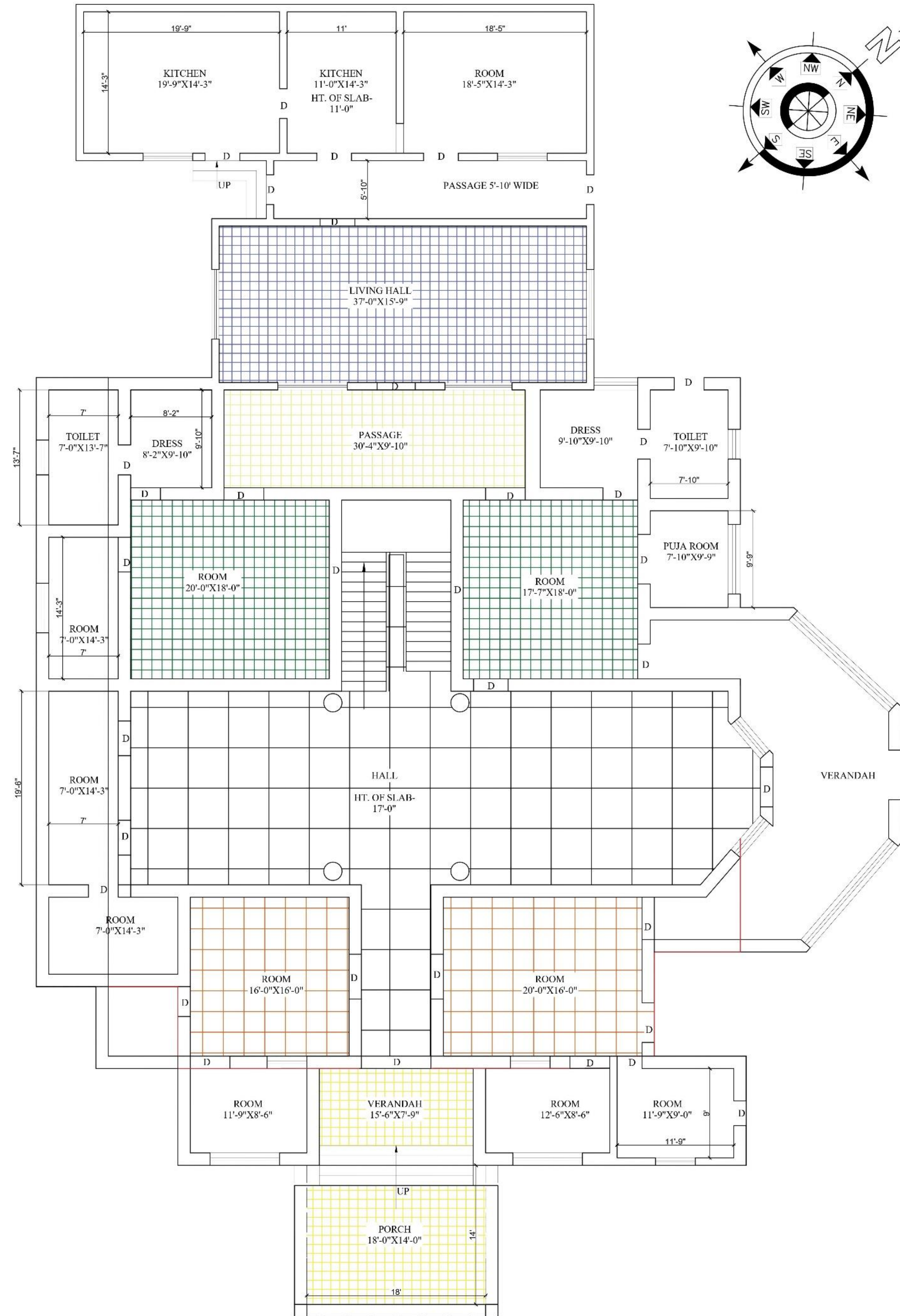
FLOOR PLAN





FURNITURE LAYOUT PLAN

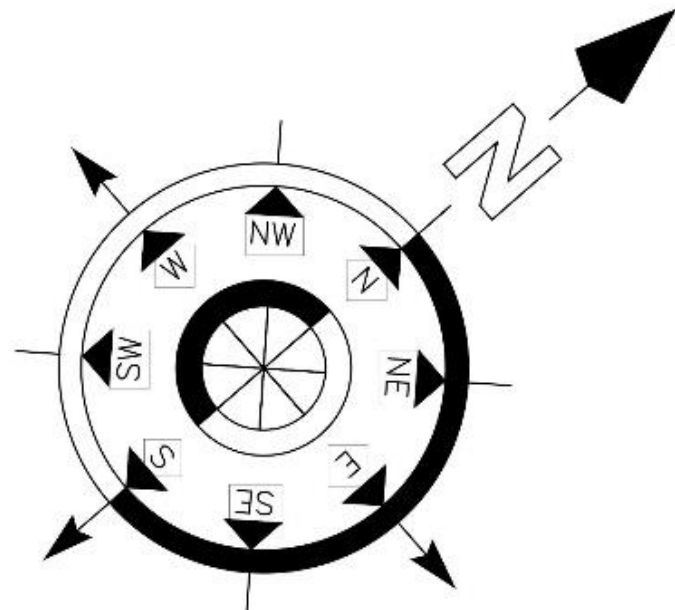
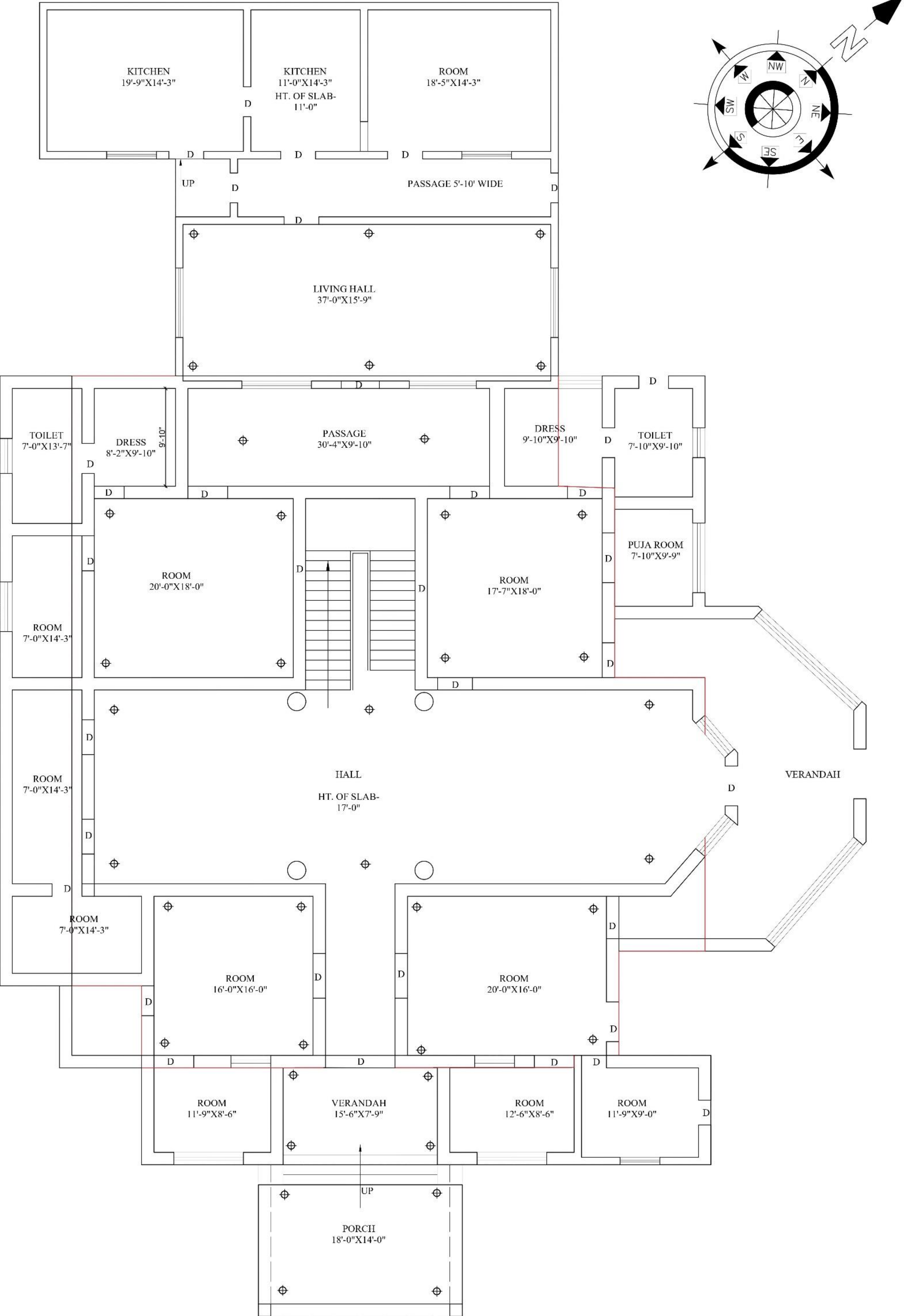




FLOORING  
PLAN







SYMBOL	DESCRIPTION
	CEILING FAN
	MAIN BOARD
	GYSER (above 7' ht.)
	SWITCH BOARD
	15 AMP. POINT (above 6' ht.)
	CEILING LIGHT FIX.
	WALL LIGHTING FIX. (above 7' ht.)
	T.V. LINE
	5 AMP. POINT
	EXHAUST FAN (above 6'-6" ht.)
	SPLIT A.C (above 7' ht.)
	FLOOR LIGHTS
	HANGING LIGHTS

# ELECTRICAL PLAN



