



PORTFOLIO

BACHELOR OF ARCHITECTURE



SANKET VITTAL BIJJA
(B.ARCH)



SANKET VITTAL BIJJA

INFO

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SOCIAL

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I, **SANKET BIJJA** SEEKING A PLACE FOR A **POST OF JUNIOR ARCHITET** TO MAXIMISE MY KNOWLEDGE, SKILLS AND ABILITIES IN ALL ASPECTS. I WOULD LIKE TO TAKE THIS OPPORTUNITY AS A PLATFORM TO SHOWCASE MY **CREATIVITY IN DESIGN, COMMUNICATION, TEAMWORK AND LEADERSHIP** SKILLS. OPEN ENVIRONMENT AND STAY CLOSE TO NATURE INSPIRES AND MOTIVATES ME. IT GIVES ME IMMENSE PLEASURE TO WORK WITH UTMOST PROFESSIONALISM. **ACCURACY AND TIME CONCIOUSNESS** ARE MY KEY FACTORS. I HEREBY ENSURE TO MAKE SIGNIFICANT CONTRIBUTION T YOUR FIRM WITH MY **DEDICATION AND DETERMINATION**.

EDUCATION

- 2023 BACHELOR OF ARCHITECTURE
S.E.S. College of Architecture,
Solapur.
- 2017 HIGHER SECONDARY EDUCATION
D.B.F. Dayanand College of Arts &
Science, Solapur.
- 2015 SECONDARY EDUCATION
Haribhai Devkaran High School
and
Junior College, Solapur.

WORKSHOPS

- Umbrella Workshop,
Prathamesh
Rahalkar-2018
- Ar. Sanjay Patil Talk
Series -2019
- Impression of City, Aarti
Badamikar - 2019
- Bamboo Workshop,
Ar. Chandrashekhar
Kondabattin -2022
- Cob calling workshop
Ar.kiranraj kumar , Bangalore

SKILLS

- DESIGN DEVELOPMENT
- FAST DRAFTING
- RENDERING
- HAND GRAPHICS
- WALK-THROUGH
- MODEL MAKING
- LEADERSHIP
- CREATIVITY
- TIME MANAGEMENT

LANGUAGES

- ENGLISH
- HINDI
- MARATHI
- TELUGU

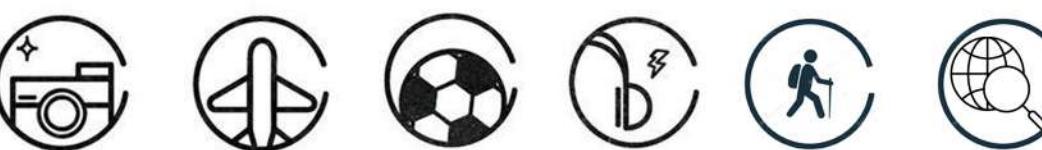
EXPERIENCE

- TRAINEE,
under the guidance of
- AR. TEJAS KORE (T&A Associate)
(2019 - 21)
- TRAINEE under the guidance of
AR. AMAR NAGMODE (Studio AAD)
2023 (4 MONTHS)
- Interior Work for Mrs.& Mr. Shendge
Free Lancing Work (2022)
- SATHYA CONSULTANTS,
Bengaluru
(AUG 2022 - DEC 2022)
Scope: Detailed CAD
drawings,Handmade
cardboard model,3D
Sketches,
- Interior Work for Mrs.& Mr. Dhingane
Free Lancing Work (2023) Execution
- Jr.Interior designer at
VYKA Design,Bengaluru
(JAN 2024-MAY2025)
- Interior Work for Dr.Pratik mule
Free Lancing Work (2024)

SOFTWARES



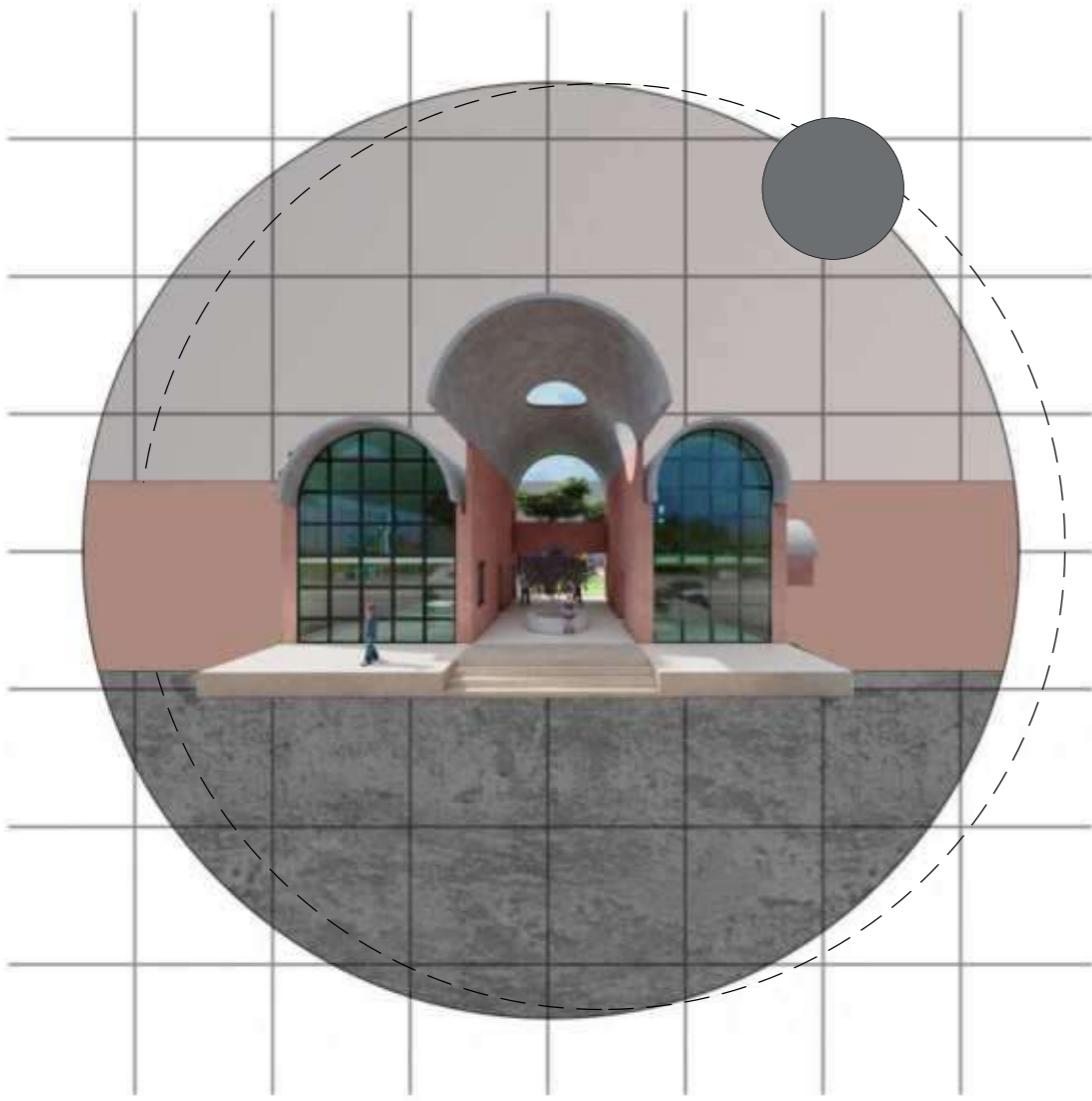
HOBBIES



CONTENT

UNDER - GRADUATE WORK

- 01.** DAY CARE & PRE-SCHOOL
- 02.** ART ACADEMY
- 03.** 3 STAR HOTEL
- 04.** INTERNSHIP WORK
- 05.** ARCHITECTURAL THESIS -
VINEYARD & REASORT AT NANDHI HILLS,BANGALORE
- 06.** PROFESSIONAL WORK
- 07.** FREE LANCING WORK
- 08.** COMPITITION
- 09.** CERTIFICATE
- 10.** MISCELLANEOUS



03 DAY CARE AND PRE-SCHOOL

PROJECT TYPE : DAY CARE AND PRE SCHOOL
 YEAR : 2019 SEMESTER: 3
 SITE LOCATION : IT PARK, HINJEWADI, PUNE.
 SITE AREA : 1815.25 SQM
 TOTAL FLOORS : 3
 GROUND COVERAGE : 865 SQM

BRIEF

A REPUTED PRIVATE SCHOOL IN CITY OF PUNE WANTS TO START ITS NEW BRANCH OF PRE-SCHOOL DAY CARE CENTRE IN THE HEART OF IT PARK AT HINJEWADI. THE SITE IS EXACTLY OPPOSITE TO THE IT GIANT INFOSYS CAMPUS.
 THE INTENSION OF THE SCHOOL & THE DAY CARE IS TO PROVIDE A HEALTHY FRIENDLY ENVIRONMENT CONSCIOUS CAMPUS TO THE KIDS OF IT EMPLOYS WHO STAY AWAY FROM EACH OTHER FOR MOST OF THE DAY TIME.
 THE MAIN REASON OF THE SITE SELECTION IS TO MAINTAIN THE PROXIMITY BETWEEN PARENTS & WARDS IN CASE OF EMERGENCY.

CONCEPT

THE DESIGN WE NEED TO CREATE IS SUCH A SPACE OCCUPANTS FEEL THEMSELVES RELAXED AND REFRESHED. KEEPING THIS IN MIND THOUGHT CURVED LINES IN ELEVATION AS MY CONCEPT. THERE IS CONNECTIVITY OF INDOOR & OUTDOOR SPACE IN SUCH WAY THAT YOU FEEL CONNECTED TO NATURE.

SHELTER AS THE MAIN FEATURE

PRIMARY
STEP 1

SECONDARY
STEP 2

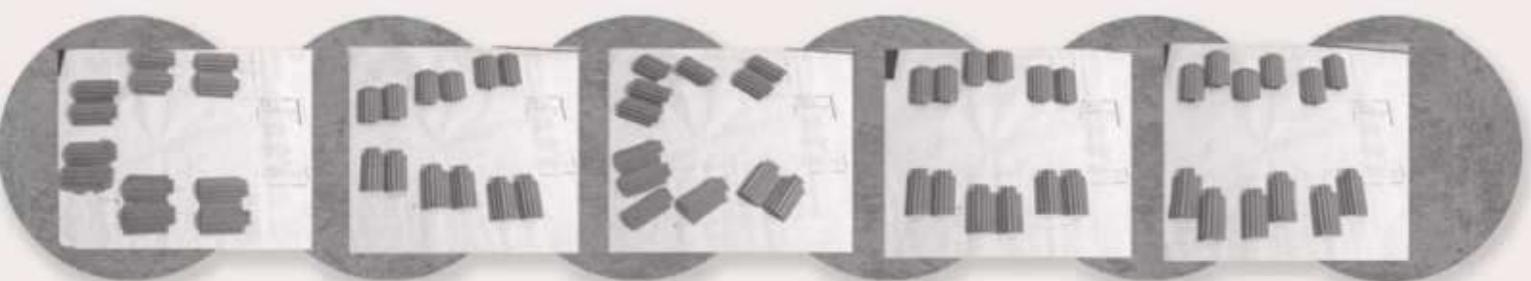
CONVERSION
STEP 3

SEPARATION
STEP 4

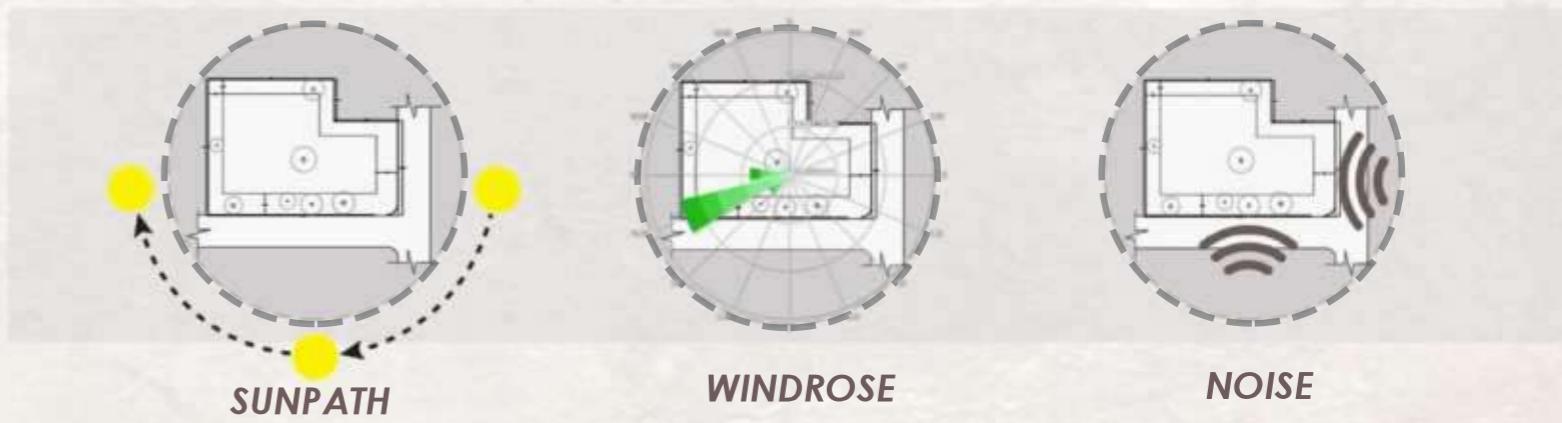
ANTHROPOMETRY



ZONING



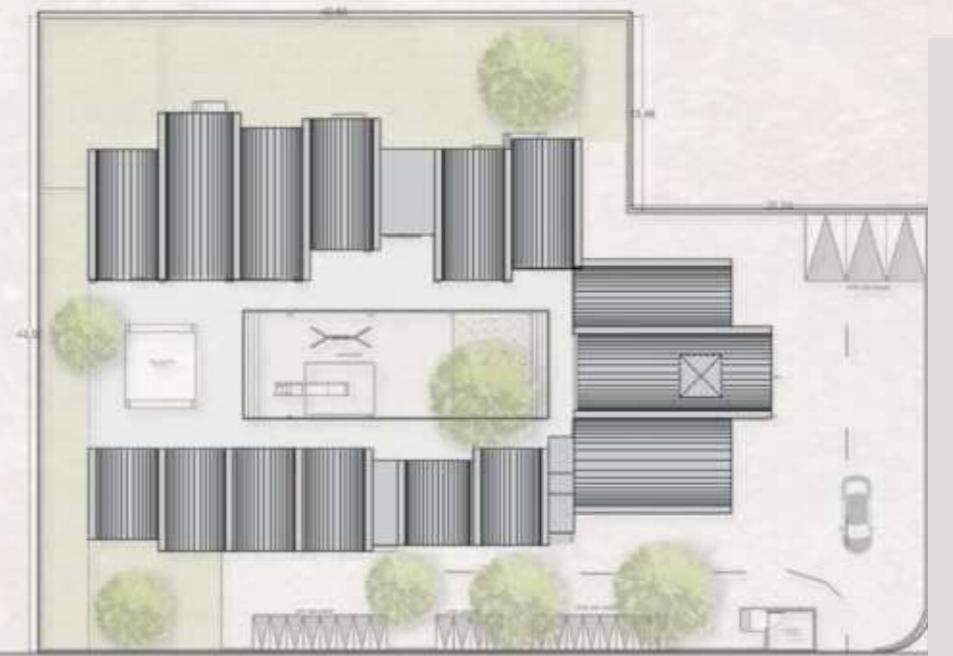
SITE ANALYSIS



GROUND FLOOR PLAN

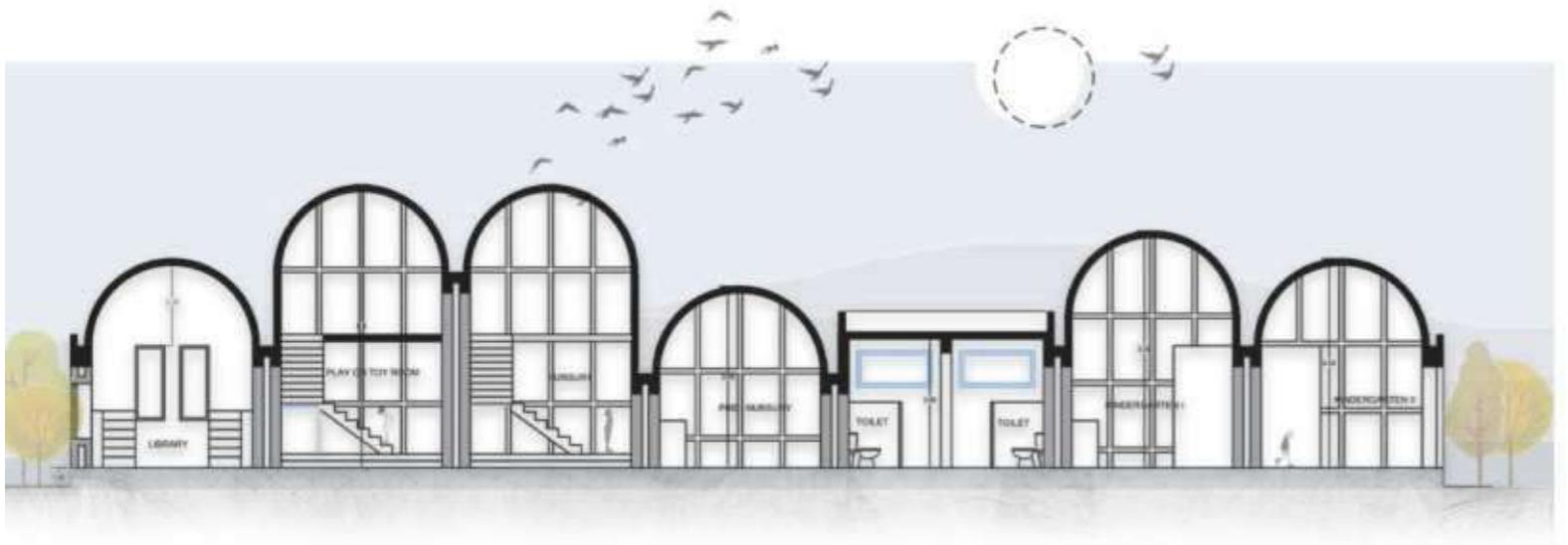


FIRST FLOOR PLAN

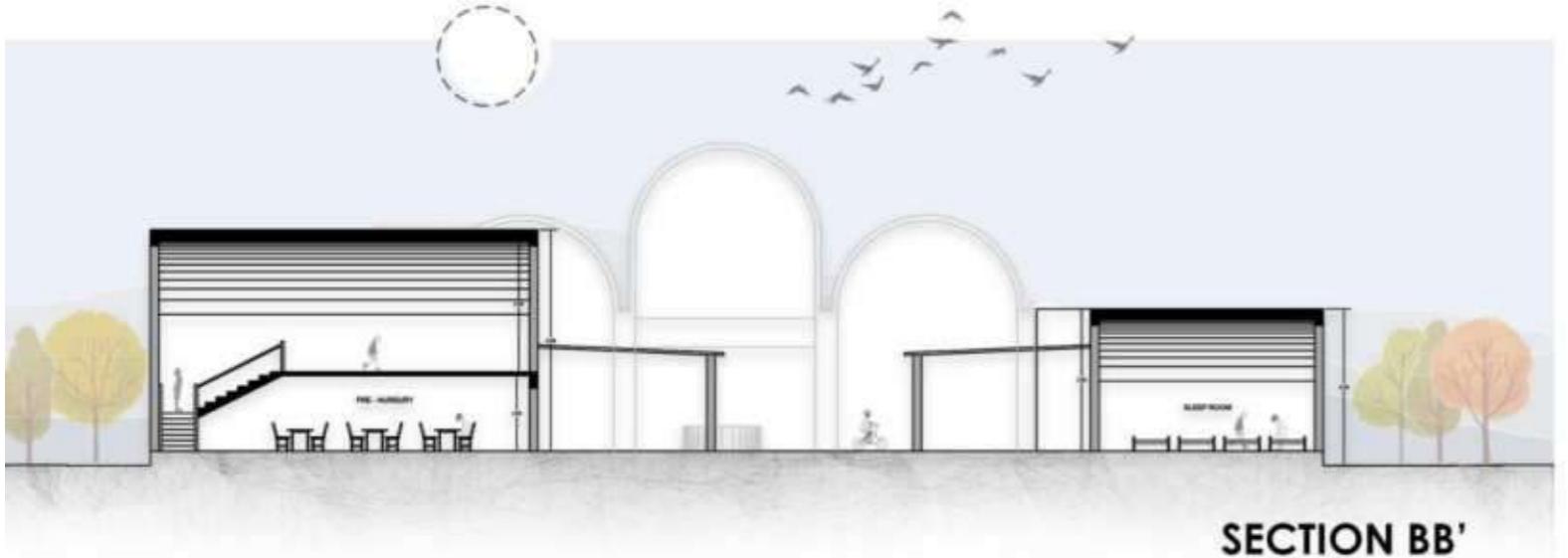


ROOF PLAN

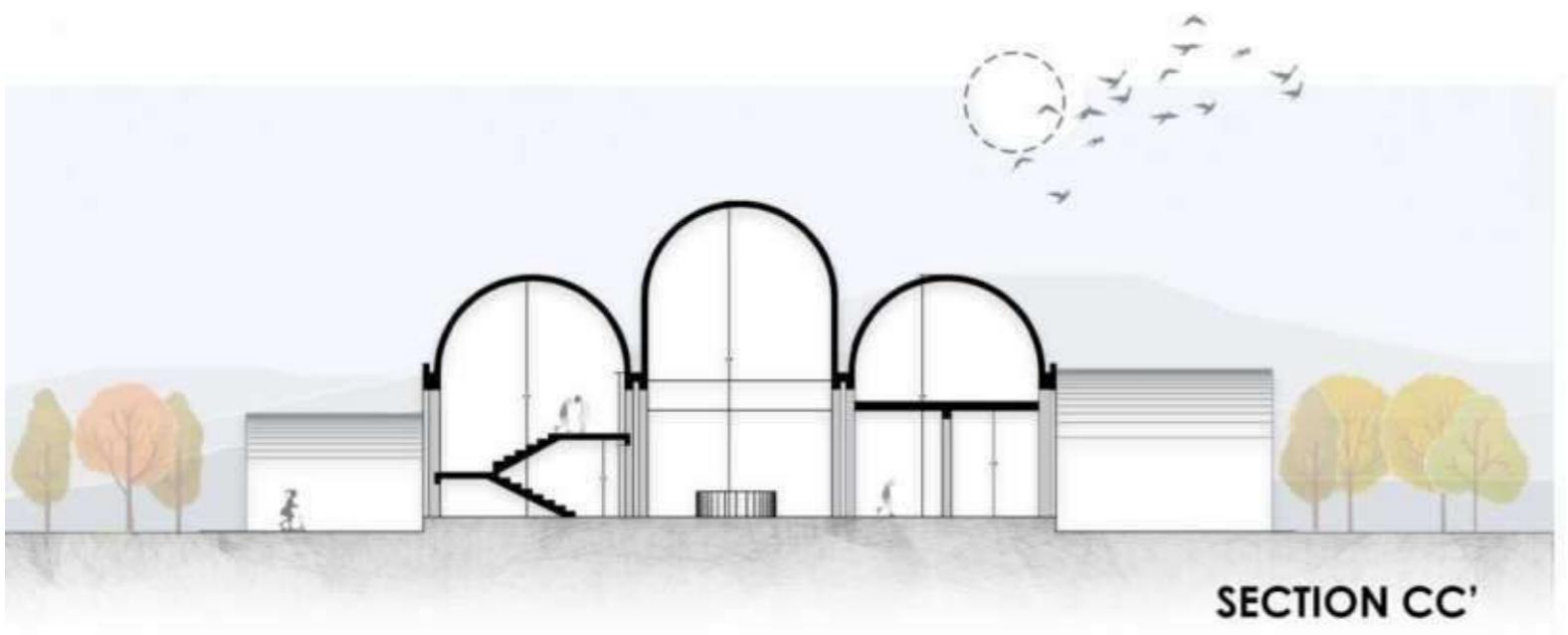




SECTION AA'

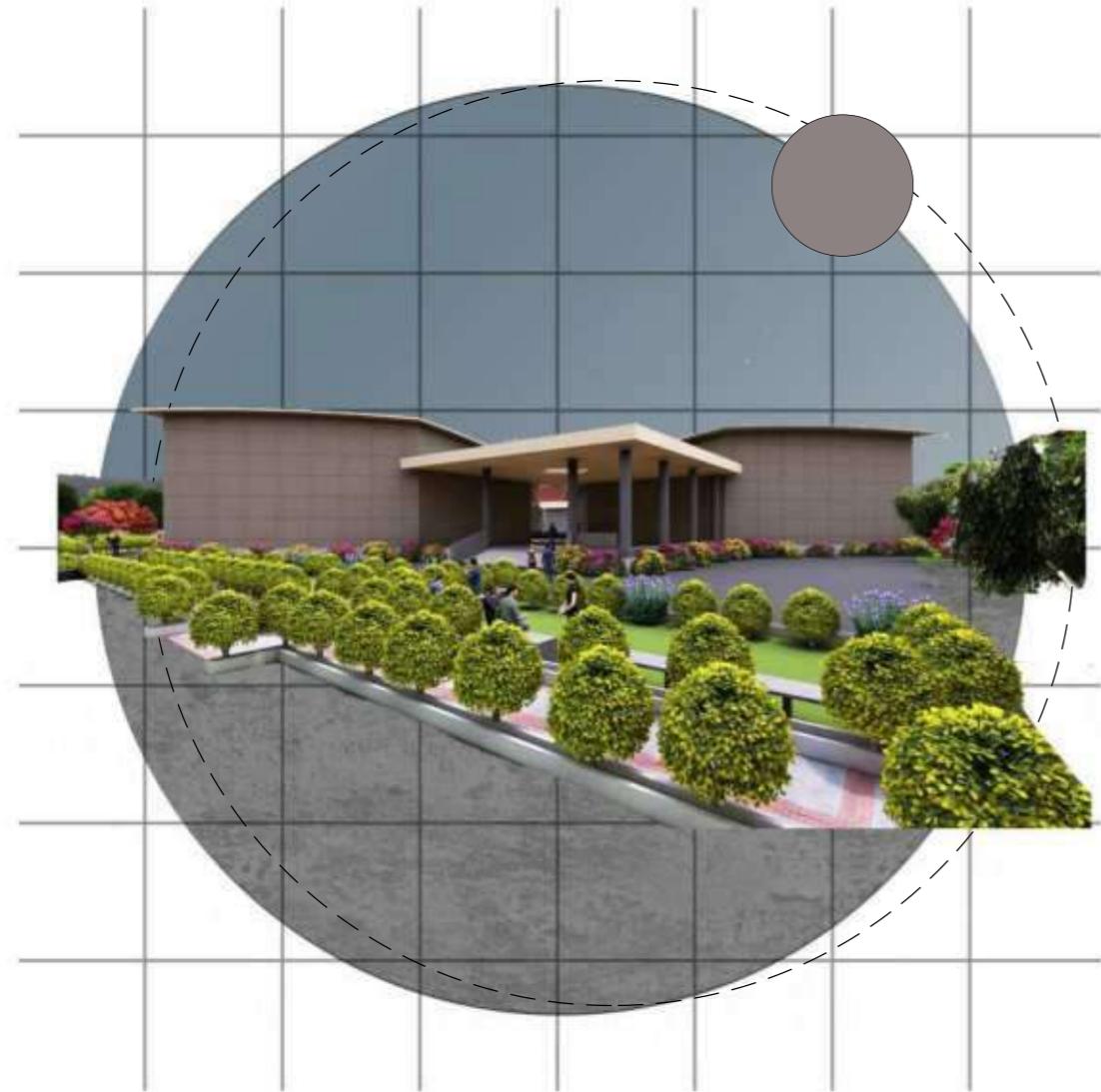


SECTION BB'



SECTION CC'





05 SOLAPUR ART ACADEMY

PROJECT TYPE : EDUCATIONAL INSTITUTE
 YEAR : 2021 SEMESTER: 6
 SITE LOCATION : SOLAPUR
 SITE AREA : 12,276 SQM
 TOTAL FLOORS : 1
 GROUND COVERAGE : 4,135.30 SQM

BRIEF

THE MINISTRY OF CULTURE (GOVERNMENT OF MAHARASHTRAY HAS AN IDEA OF SETTING UP CENTERS FOR PROMOTING LOCAL ART OTHERWISE TO ENCOURAGE ACCESS TO ARTS IN TOWNS AND CITIES. IT IS UNDER SUCH AN INITIATIVE THAT IT WANTS TO START AN URBAN ART CENTER WHERE ARTISTS OR LOCAL PEOPLE CAN ACCESS THE PLACE TO PERFORM TEACH AND EXHIBIT. SUCH CENTER ALSO NEED TO INTEND TO ACT WITH RESPECT TO ACCESSIBLE TO ALL AND NOT TO BE RESTRICTIVE. EVERYONE SHOULD EASILY ACCESS THESE SPACES AT ALL THE TIMES ADDING ALL TO PARTICIPATION FOR ENHANCEMENT OF THE URBAN SPACES OF SOLAPUR.

CONCEPT

THE CONCEPT THOUGHT IS RELATED TO EVERYONE EVERY RELIGION, EVERY CULTURE, SO NATURE IS ONE AMONG THEM. BASED ON THIS, IT CAN BE CONCLUDED THAT TRANQUILITY HAS TO BE ACHIEVED.

TRANQUILITY MEANS PEACE BY NATURE THROUGH THE NATURE LIKE FUNCTIONALITY, LANDSCAPE, SUSTANABILITY, ASTHETIC, THIS OVERALL THINGS COMBINIG CREATS THINGS A PEACE FOR DESERVE EVERYONE.

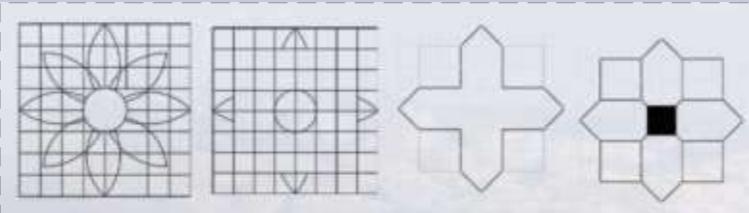
WHO/WHOM

IT IS UNDER SUCH AN INITIATIVETHERE SHOULD BE URBAN ART CENTER WHERE ARTISTS OR LOCAL PEOPLE CAN ACCESS THE PLACE TO PERFORM TEACH & EXHIBIT.

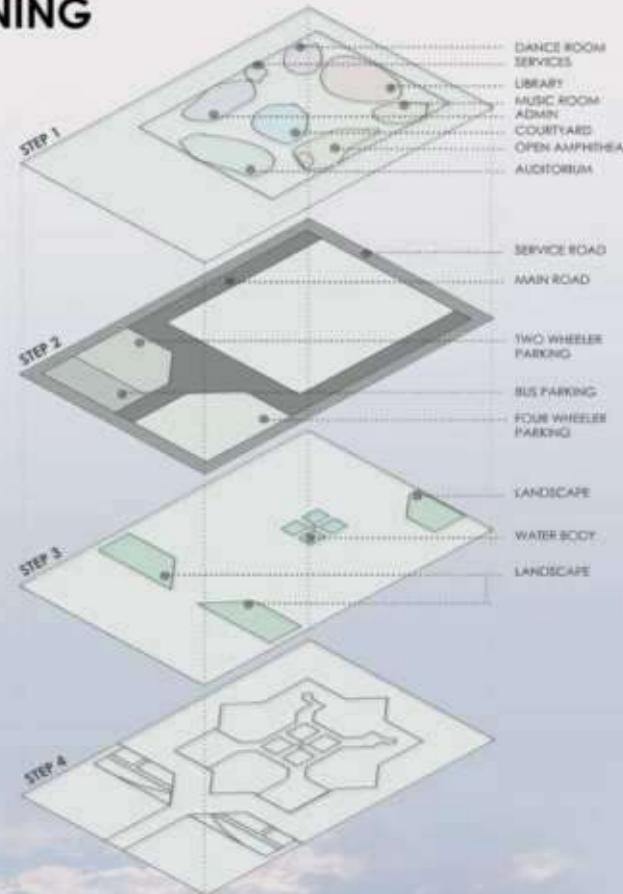
WHY

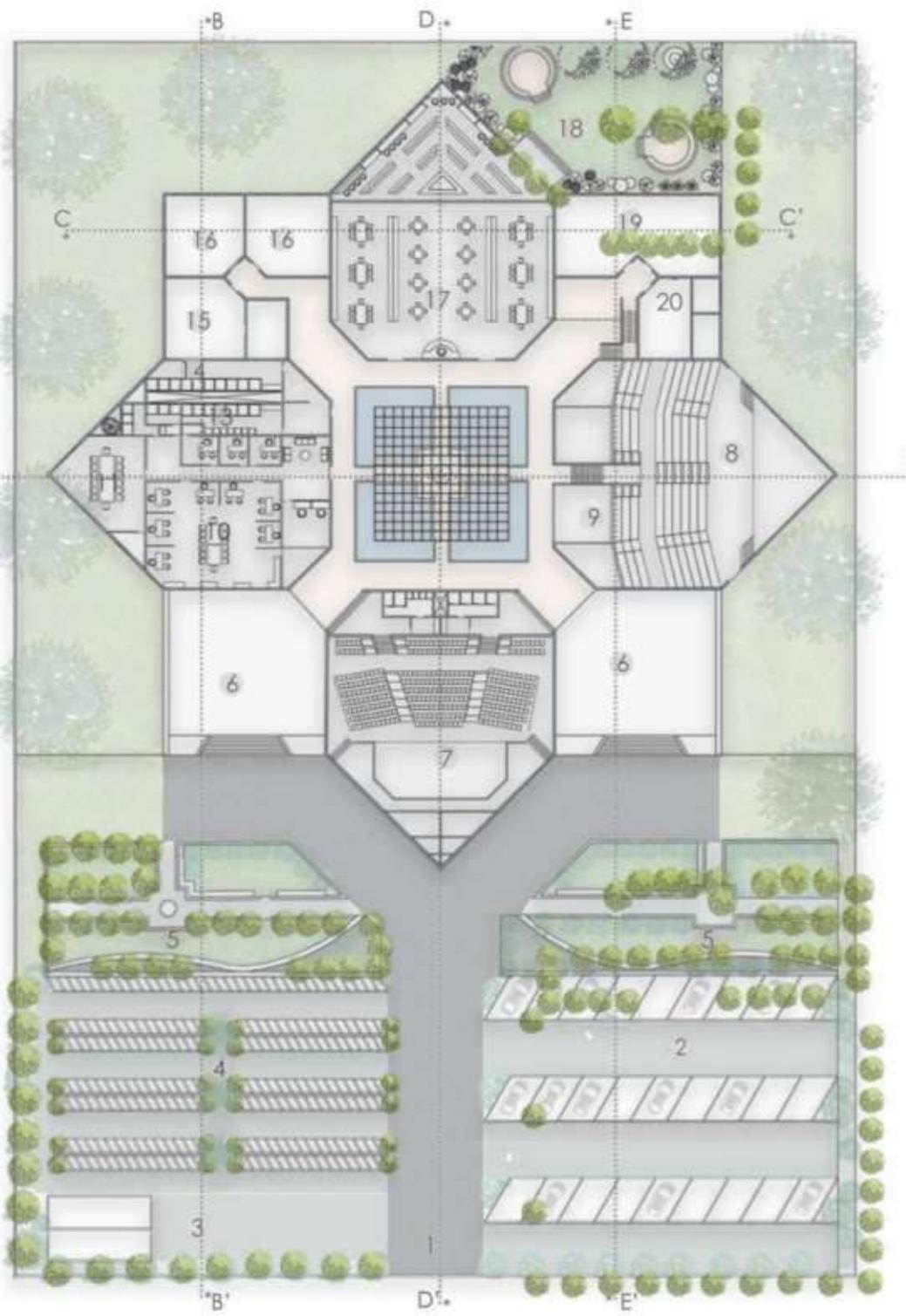
THE AIM IS TO GIVE A PLATFORM TO THE ARTISTS TO SHOW THEIR SKILLS. IT WILL ENCOURGE THE NON-AIDED ARTISTS TO SHOW THEIR TALENT TO THE SURROUNDED CITIES THROUGH THIS CENTER.

FORM DEVELOPMENT



ZONING



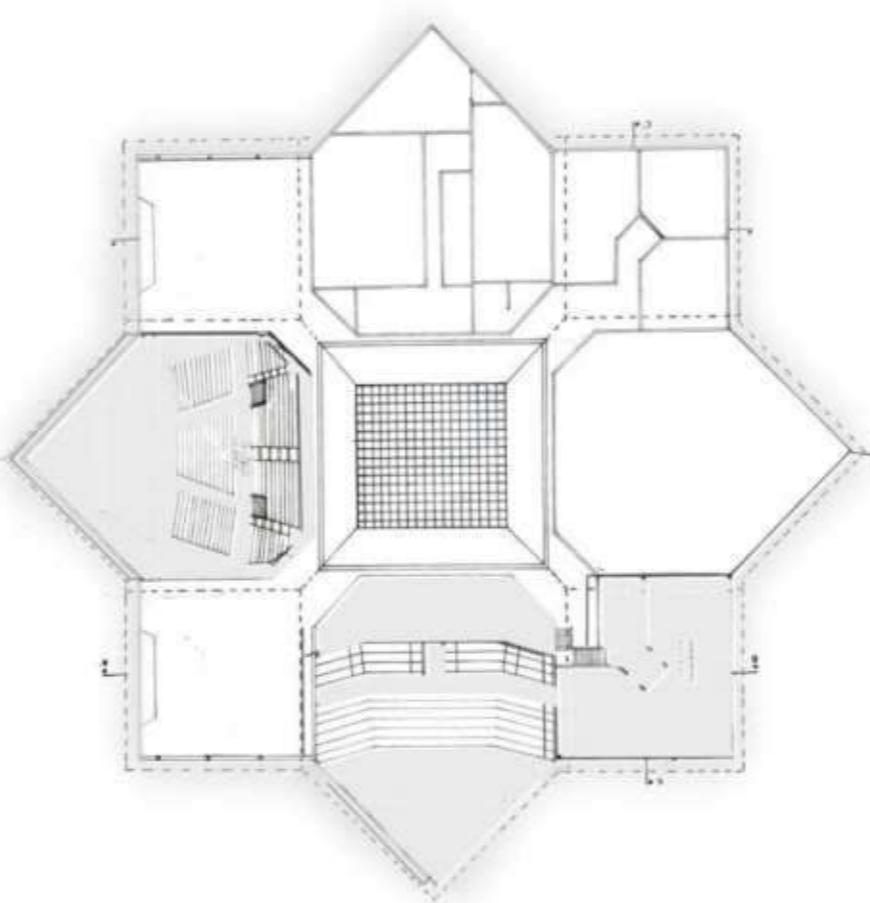


GROUND FLOOR PLAN

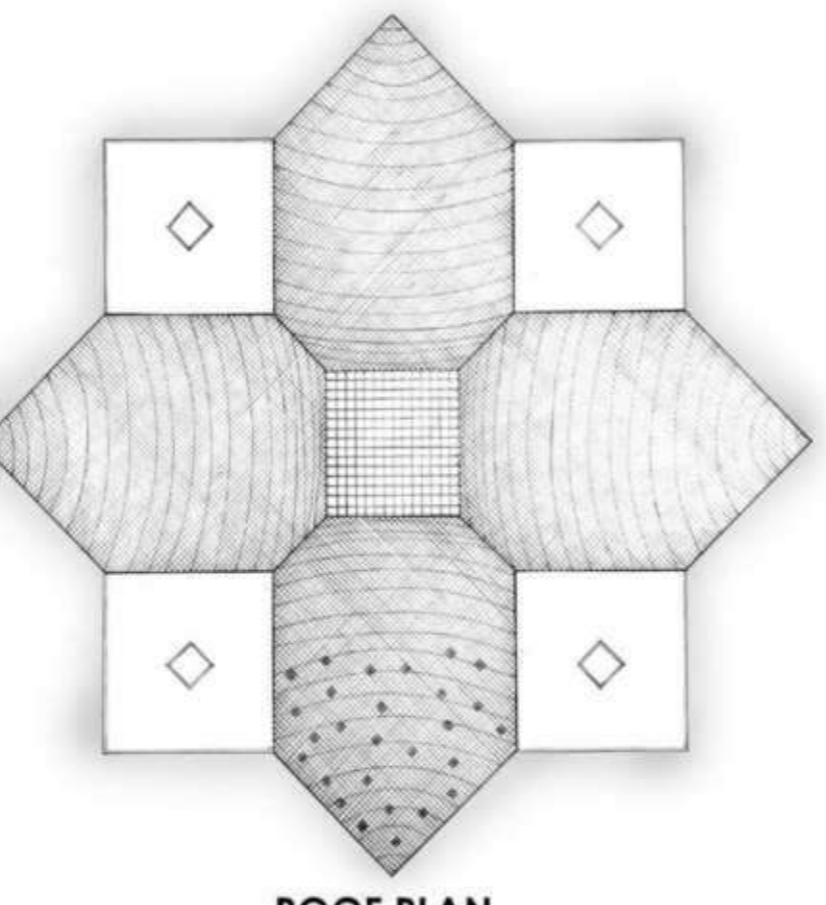


LEGEND

- | | |
|------------------------|--------------------|
| 1. ENTRY | 11.MEETING ROOM |
| 2.FOUR WHEELAR PARKING | 12.OFFICE |
| 3.BUS PARKING | 13.L.TOILET |
| 4.TWO WHEELAR PARKING | 14.M.TOILET |
| 5.OUTDOOR SEATING | 15.COMPUTER ROOM |
| 6.DANCE ROOM | 16.DANCE ROOM |
| 7.AUDITORIUM | 17 LIBERY |
| 8.OPEN AMPHITHEATRE | 18.OUTDOOR READING |
| 9.CAFETERIA | 19.MUSIC ROOM |
| 10.ADMIN | 20.PHOTOGRAPHY |
| | 21.EXHIBITION |

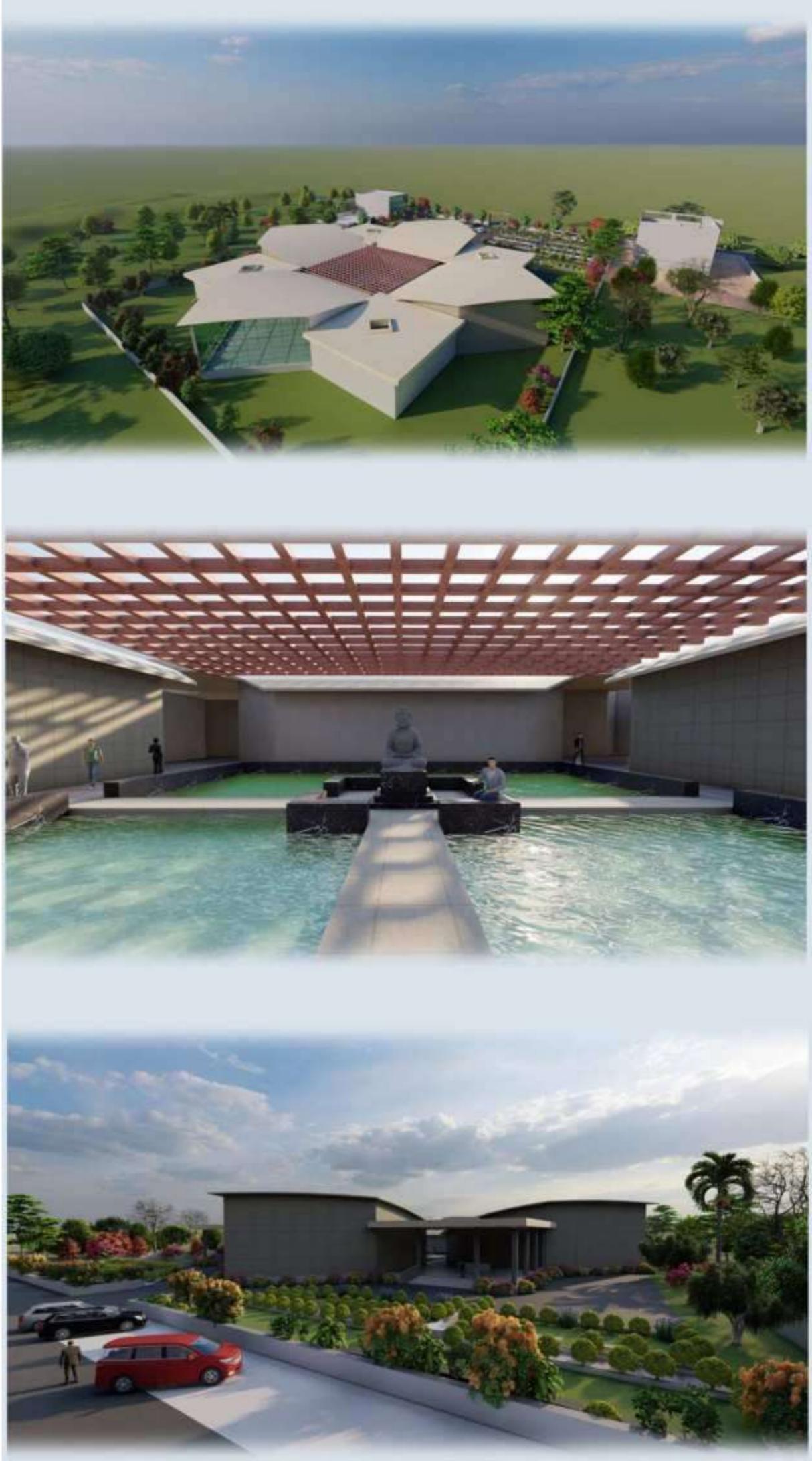
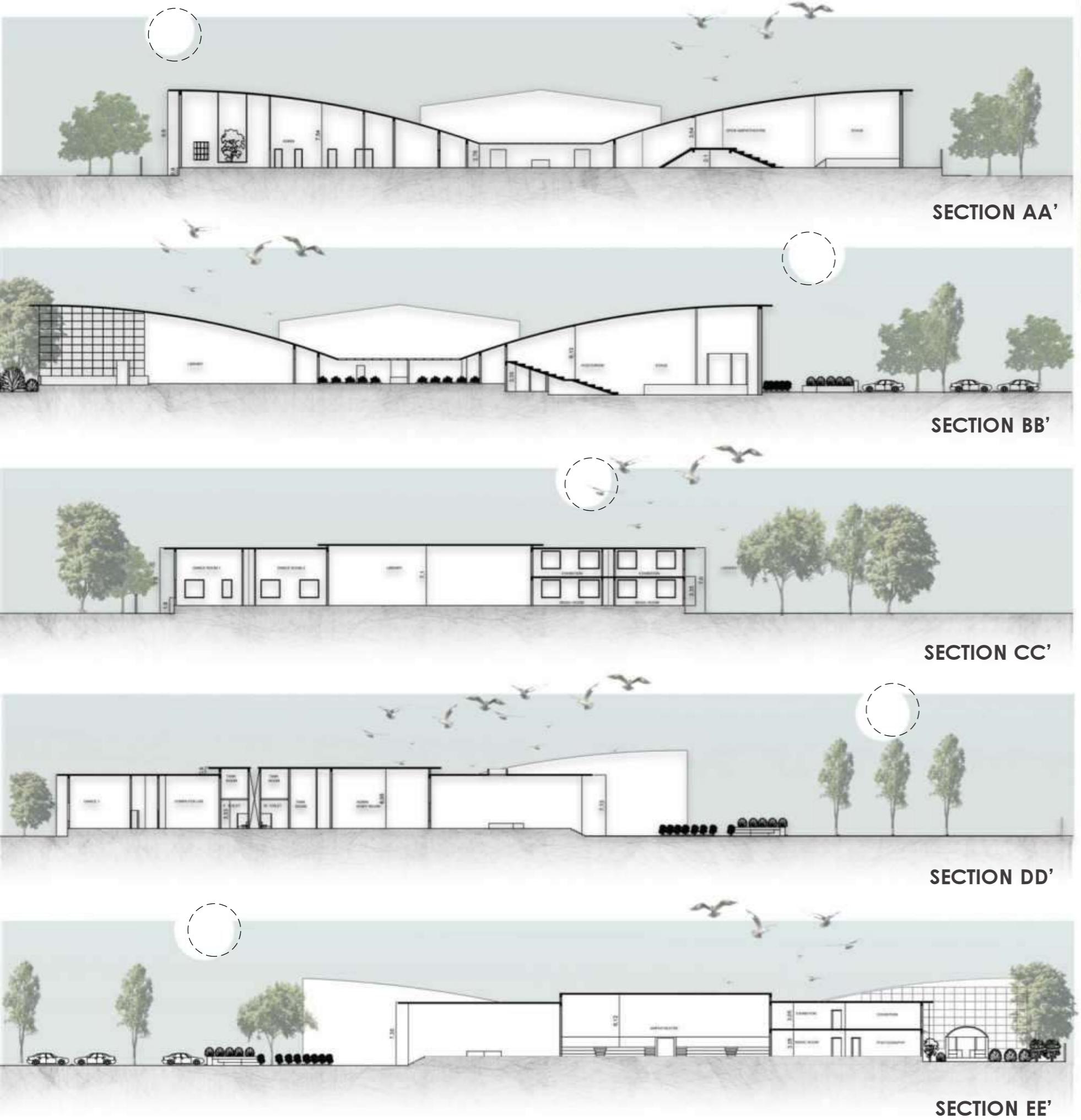


FIRST FLOOR PLAN



ROOF PLAN







06

3 STAR HOTEL

PROJECT TYPE : COMMERCIAL

YEAR : 2022 SEMESTER: 7

SITE LOCATION : NEXT TO PEARL GARDEN, BYPASS HIGHWAY,RUPABHAVANI ROAD SOLAPUR.

SITE AREA : 10,790 SQM

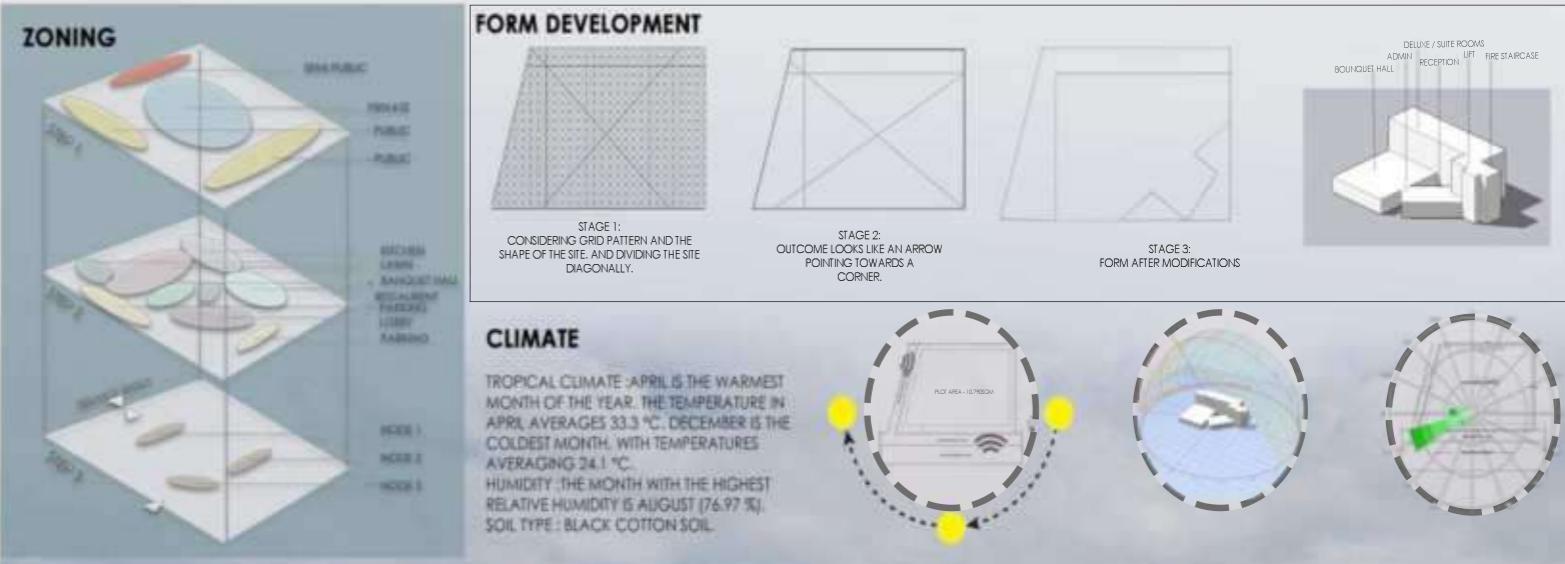
TOTAL FLOORS : G+2

GROUND COVERAGE : 2,675.36 SQM

BRIEF

THE PROJECT "THREE STAR HOTEL" IS PROPOSED ON NATIONAL HIGHWAY MUMBAI-HYDRABAD BYPASS NEAR RUPA BHAVANI ROAD. THE PROJECT IS BEING DEVELOPED BY IL & FS INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (IL & FS DC).SOLAPUR CITY ATTRACTS THOUSANDS OF PILGRIMS & TOURISTS FROM ALL OVER INDIA.

HOTEL OFFERING 3 STAR HOTEL SERVICE APPEAL THE LARGEST SEGMENT OF THE TRAVELLING PUBLIC. APART FROM THIS THEY TARGET TOP BUSINESS EXECUTIVES, POLITICAL FIGURES, ENTERTAINMENTS CELEBRITIES. HOTEL WILL HAVE UPSCALE, RESTAURANT, LOUNGE, SPA, POOL, MEETING ROOMS ETC.





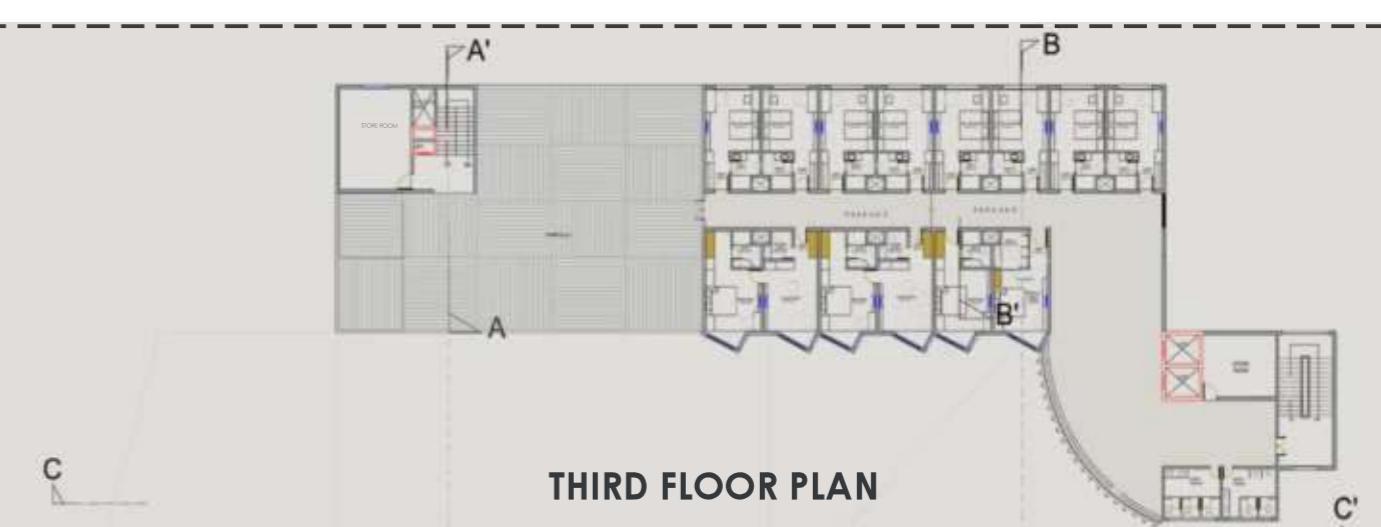
LANDSCAPE PLAN AND ROOF PLAN



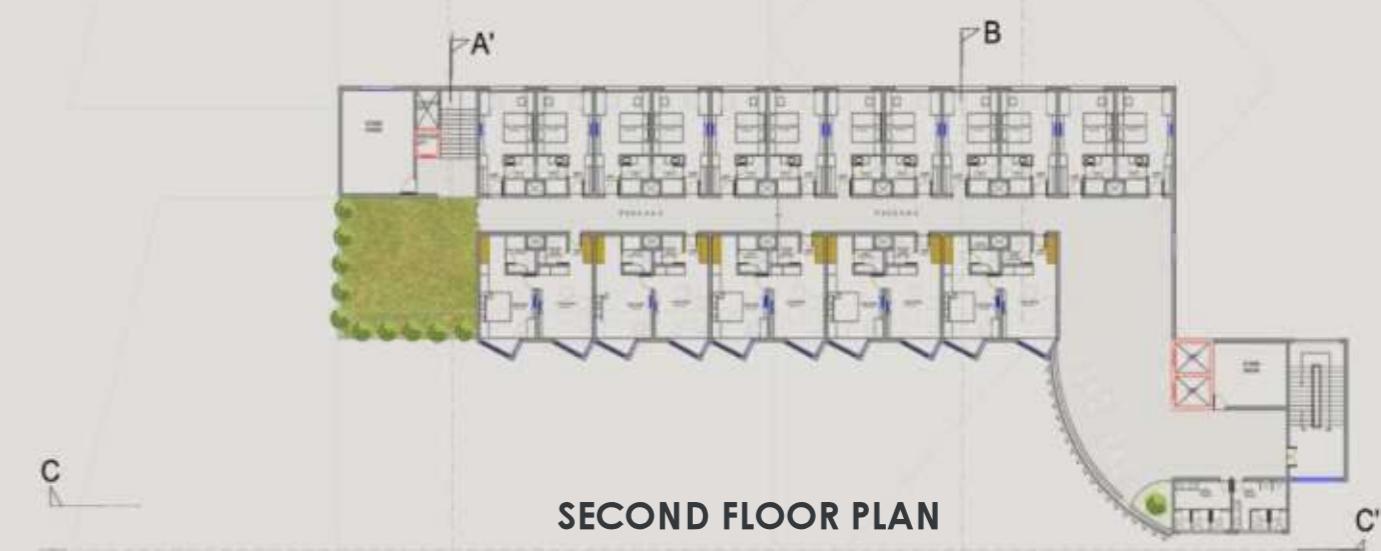
GROUND FLOOR PLAN



FIRST FLOOR PLAN



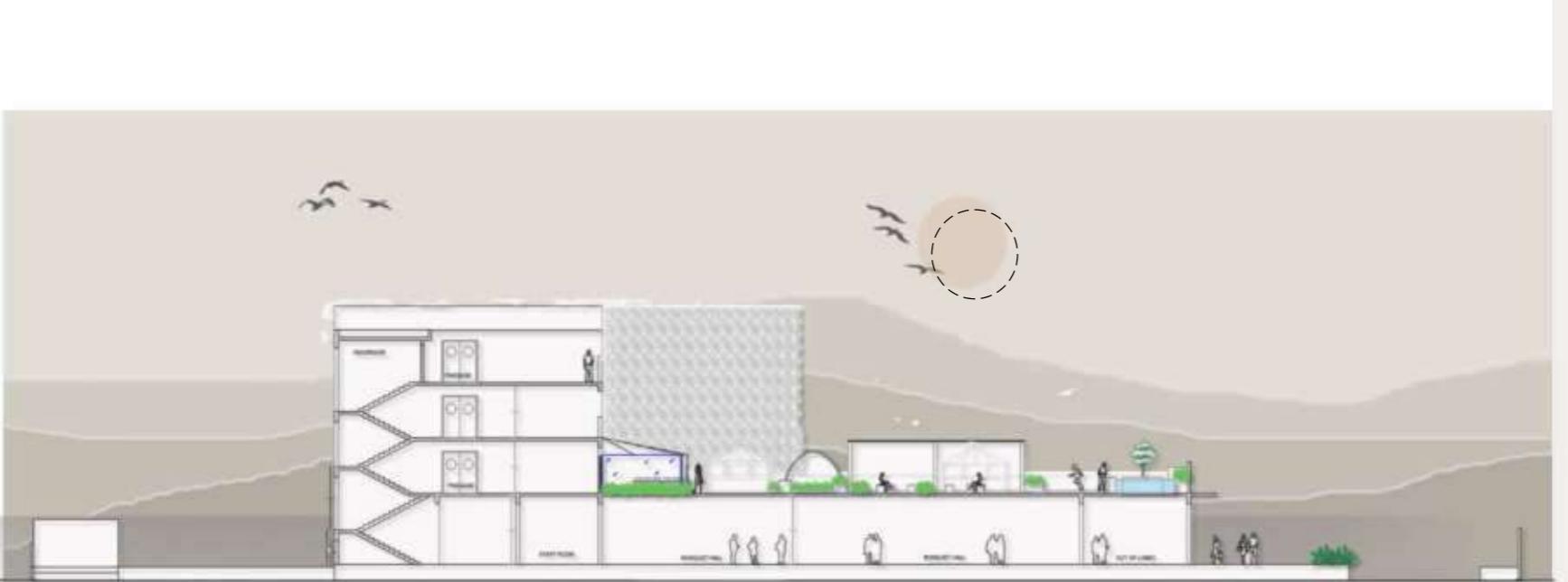
THIRD FLOOR PLAN



SECOND FLOOR PLAN



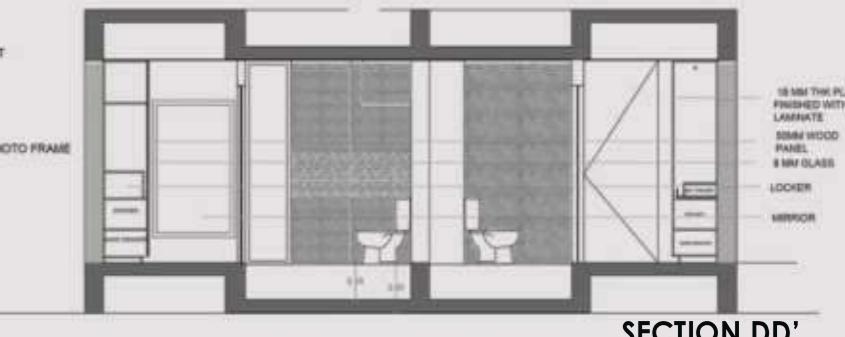
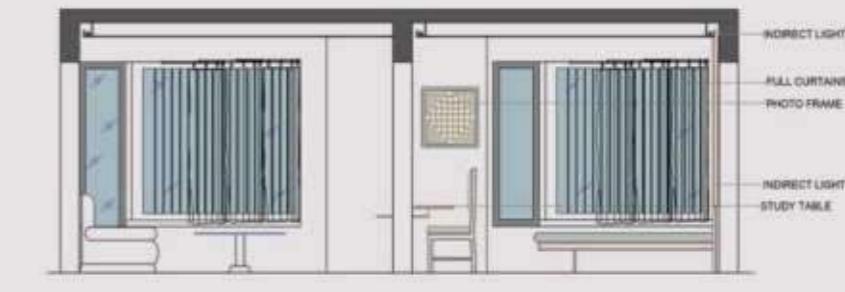
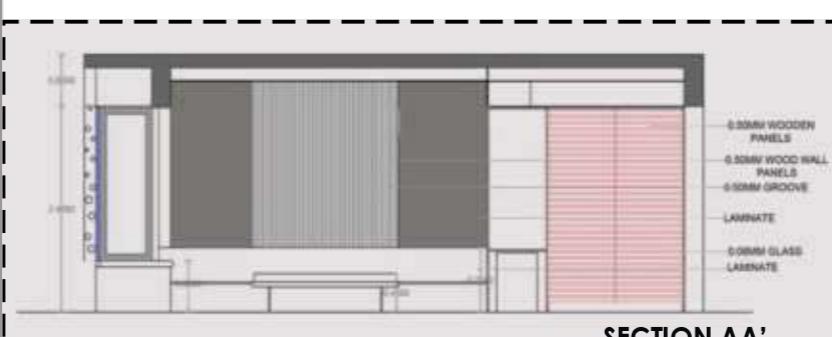
FIRST FLOOR PLAN



RESTAURENT



SUITE ROOM DETAILS



PROFESSIONAL PRACTICE 2022



SATHYA CONSULTANTS, BANGALORE
Eco Friendly Architecture | Sustainable
Urban Design and Conservation
sathyaconsultant@gmail.com



S.E.S. COLLEGE OF ARCHITECTURE,
SOLAPUR

NAME : SANKET VITTEL BIJJA
SEM : XI th
ROLL NO : 1805
DURATION : 01/08/2022 - 08/12/2022

COA REGISTRATION NO. SATHYA PRAKASH VARANASI
1985/09167



CONTENTS

1. Residence for Mrs. Usha & Mr. Krishna Bhat

Jagali details, Toilet details, Car porch details, Railing details, Sky light grill details, Utility jali wall details, Compound wall details, Parapet options, Gazibo details, Chajja options

2. Residence for Mrs. Divya & Mr. Mukund

Working drawing, Electrical working drawing, Lintel drawing, Door & Window details

3. Different execution drawing and Working drawing

Main Door & Window details, Hurdi roof details, Compound wall details, Sliding folding door, Railing details, Fabrication details,

4. Hand-made cardboard model Mrs. Pannagaveni & Mr. Arun

5. 3D Model for Mrs. Usha & Mr. Krishna Bhat

6. Fun visit during the internship

Site visit Mrs.Usha & Mr.Krishna Bhat

@Judicial layout,
Hejjala , Ramanagara

Stage of visit : Terrace floor parapet

Material used: Chapadi stone
Hollow clay block
Wire cut brick

1. HCB arch
2. HCB Lintel
3. Tall window
4. Pillar tile
5. Wire cut brick arch
6. Stone wall & hcb wall
7. Electrical conduits along hcb wall
8. Staircase
9. Ventilation
10. Front elevation



3

4

5

6

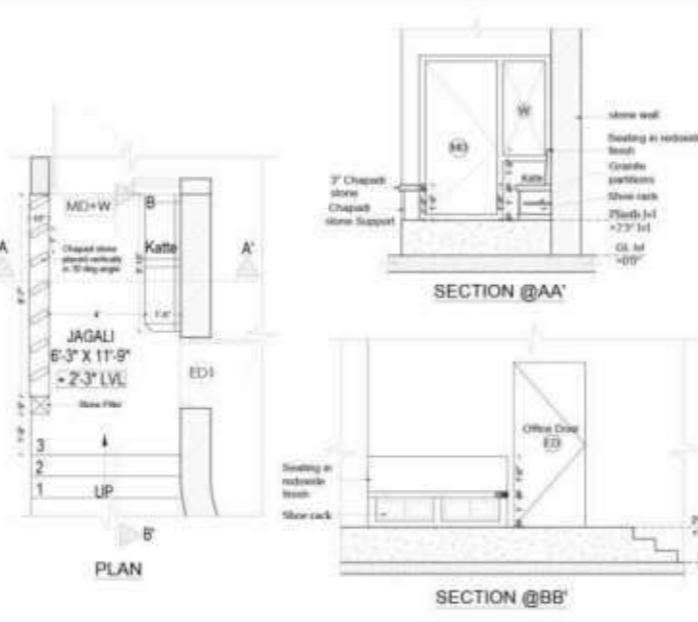
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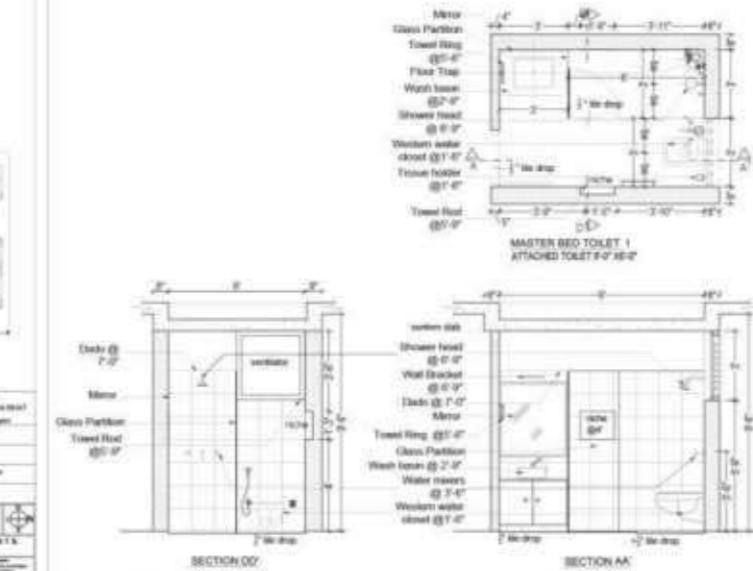
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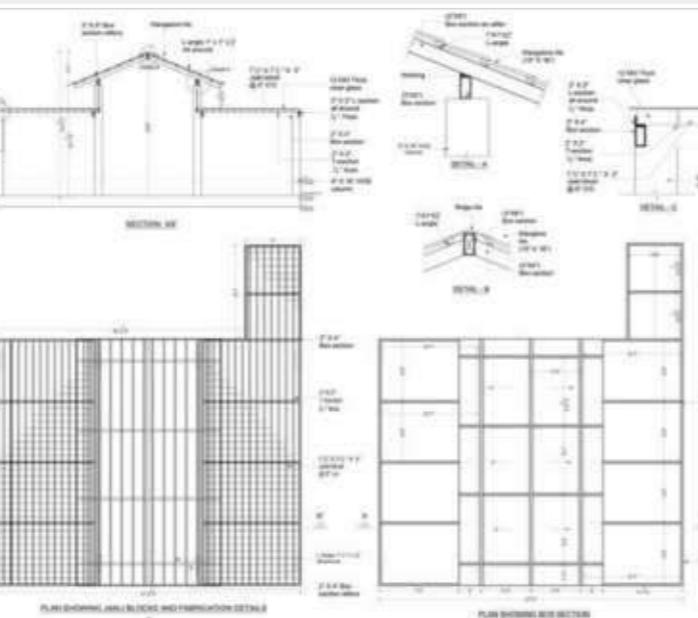
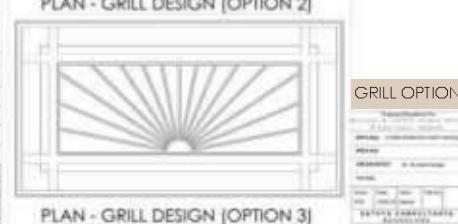
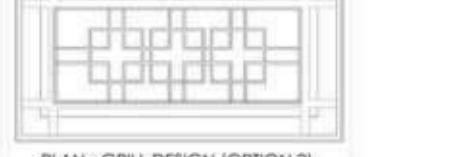
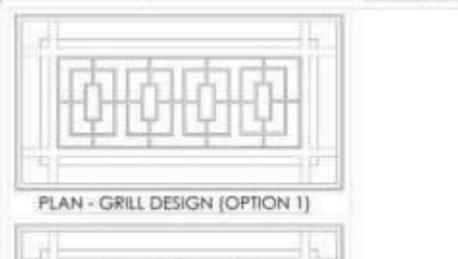
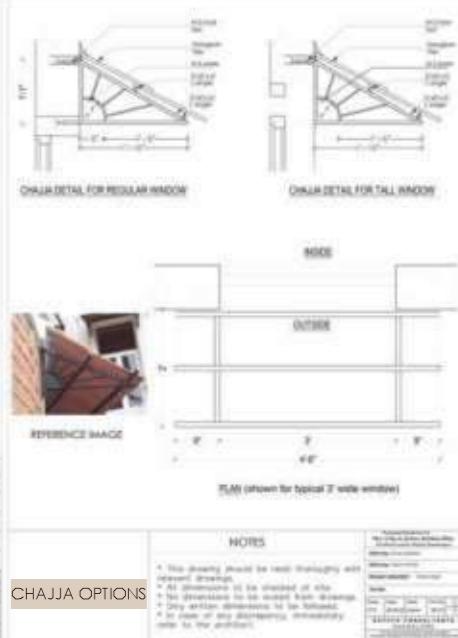
DIFFERENT EXECUTION DRAWINGS & WORKING DRAWINGS



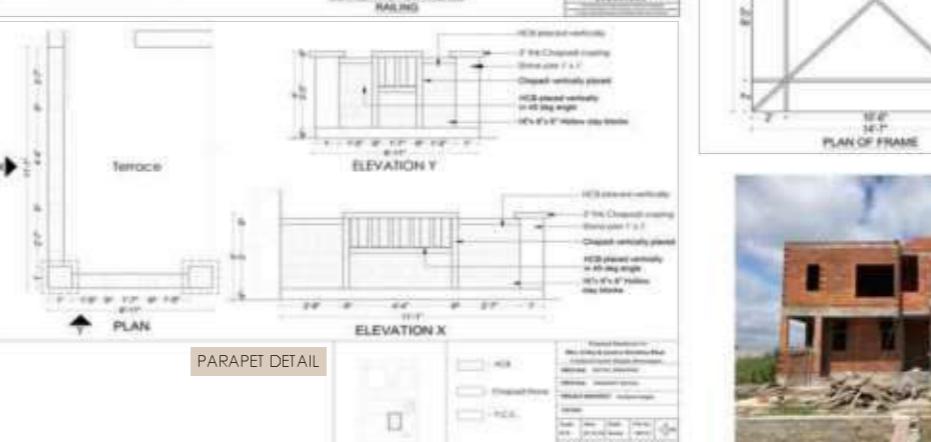
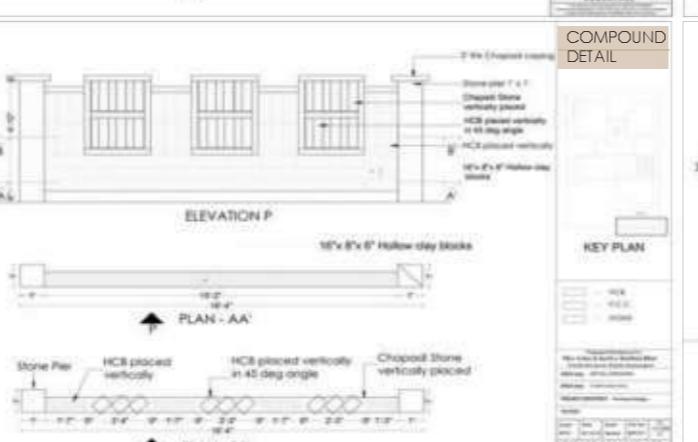
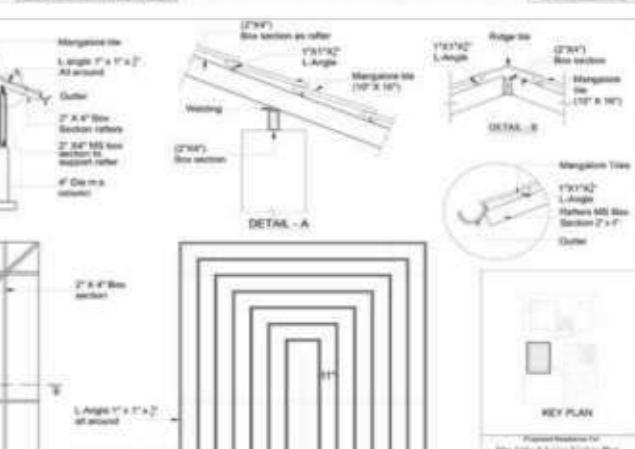
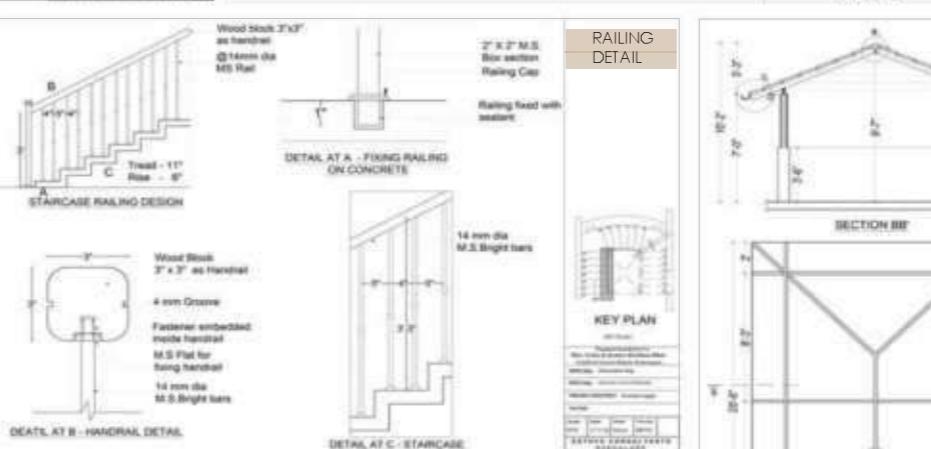
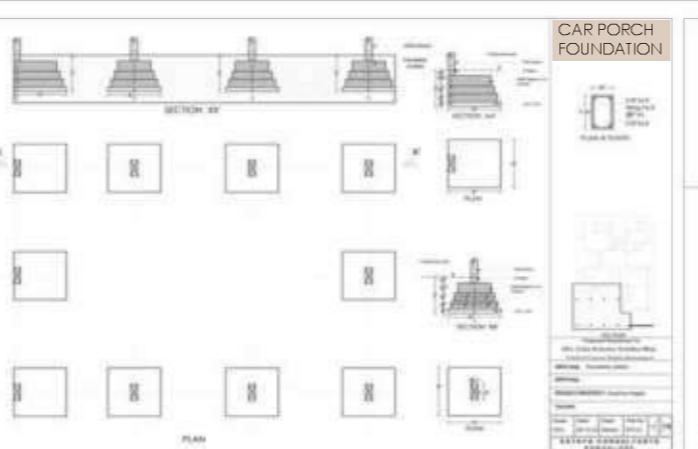
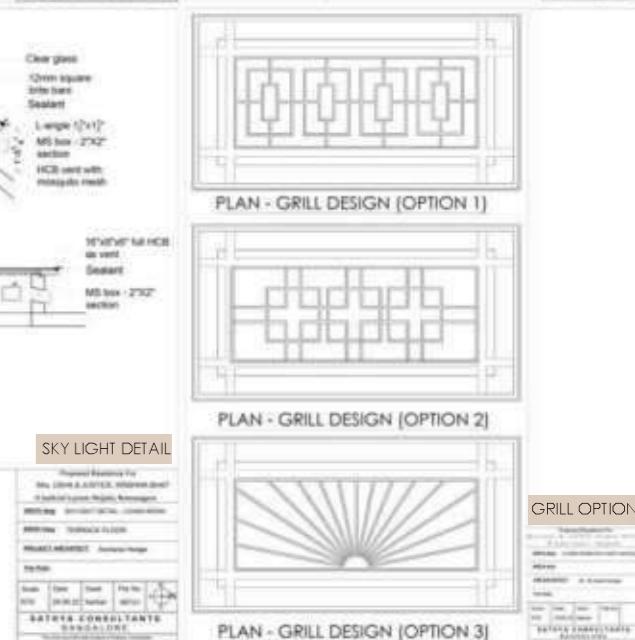
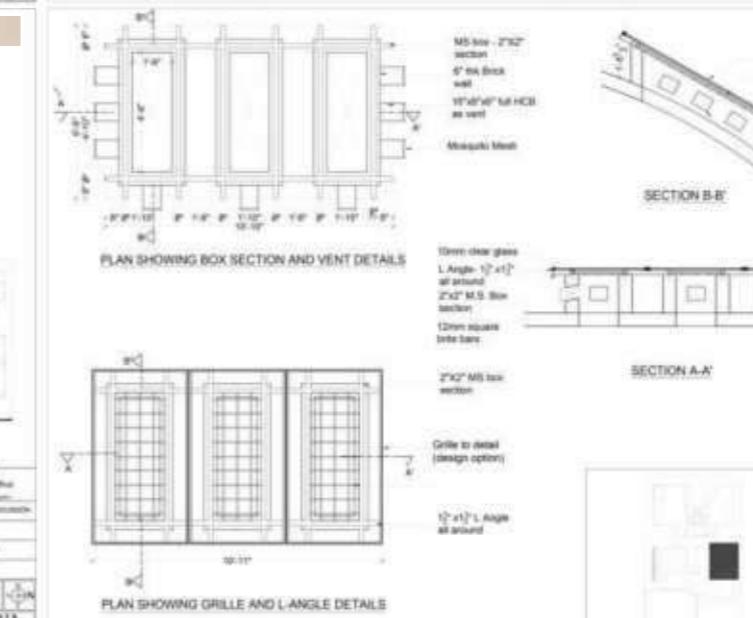
JAGALI DETAIL



TOILET DETAIL



CAR PORCH



Site visit
Mrs.Divya & Mr.Mukund

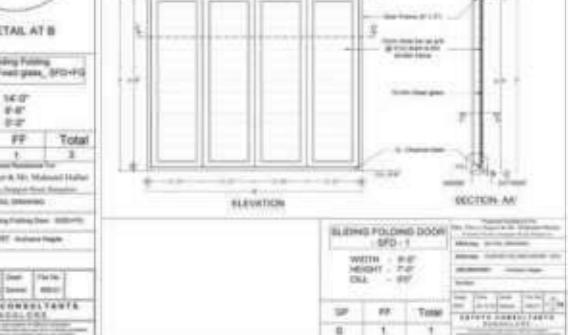
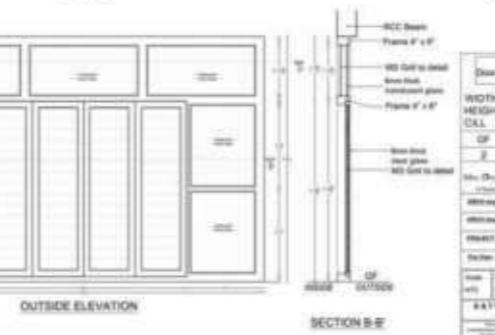
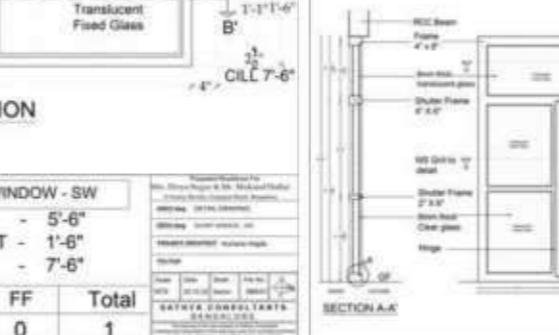
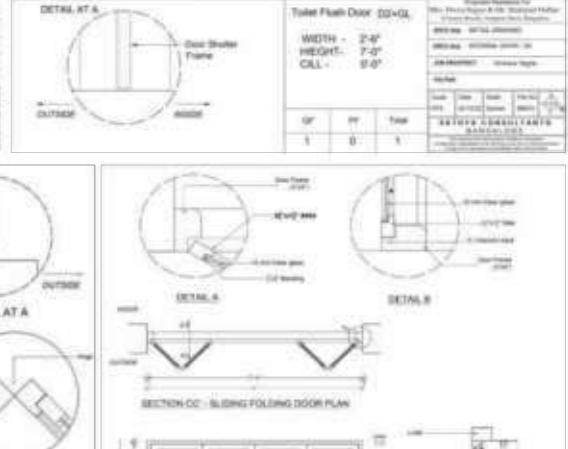
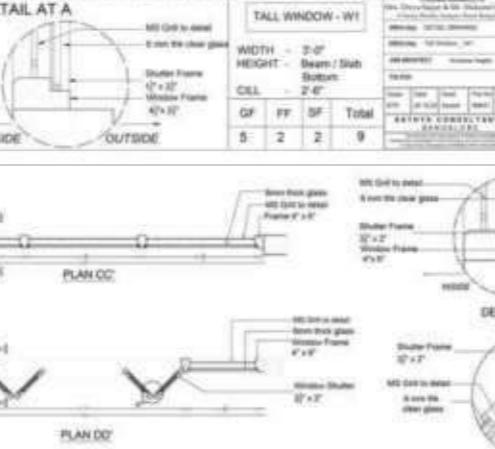
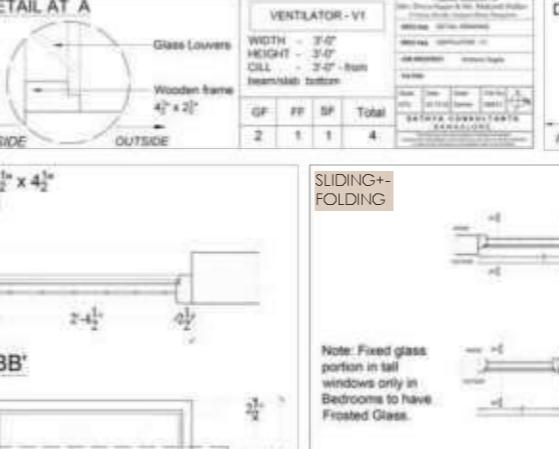
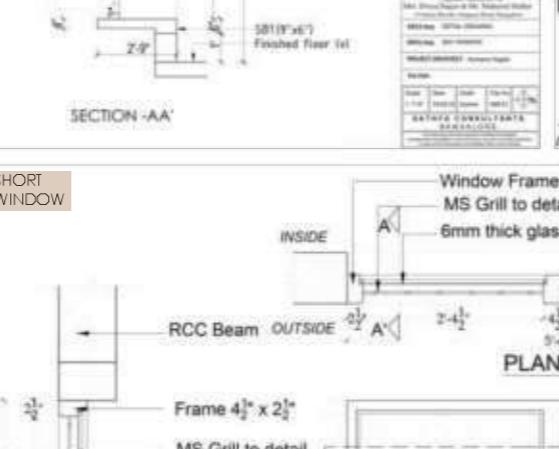
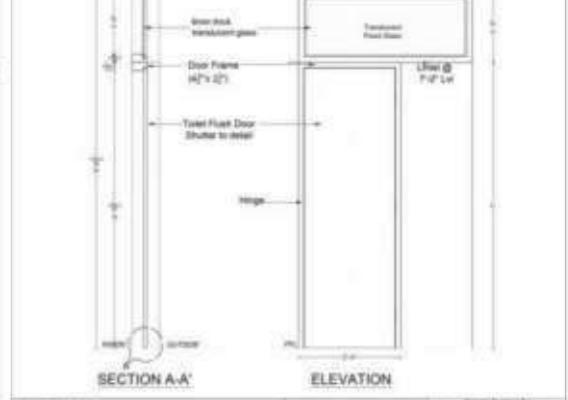
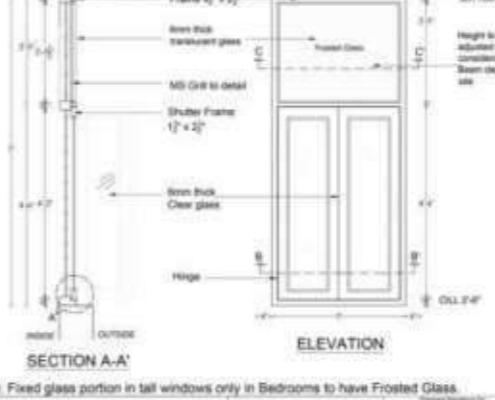
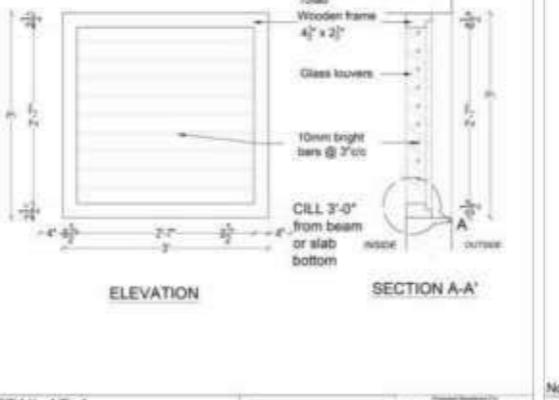
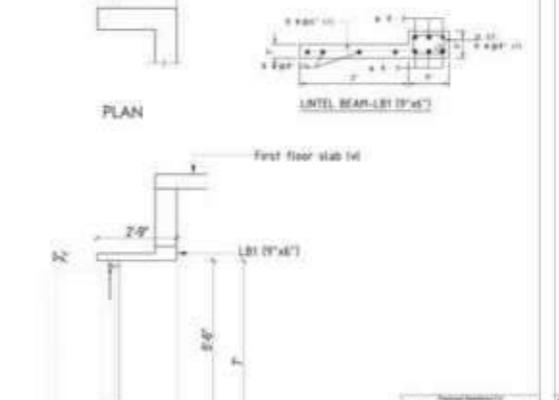
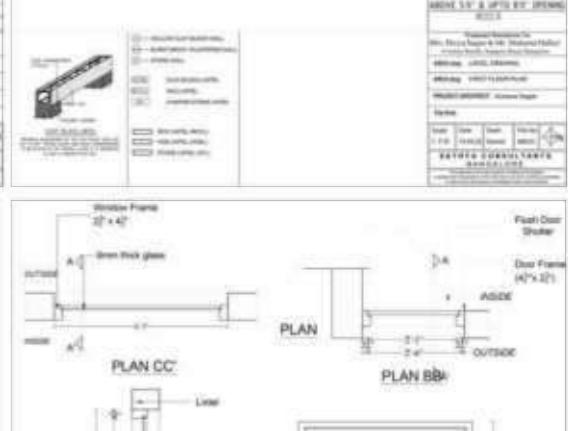
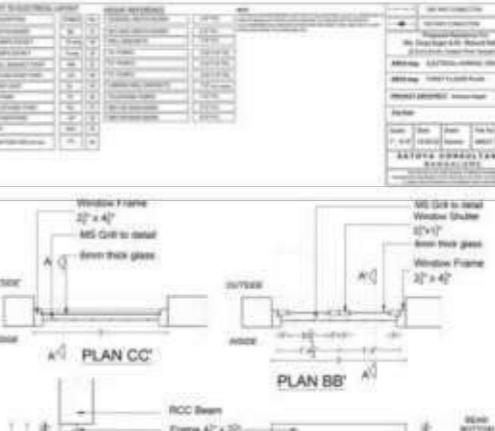
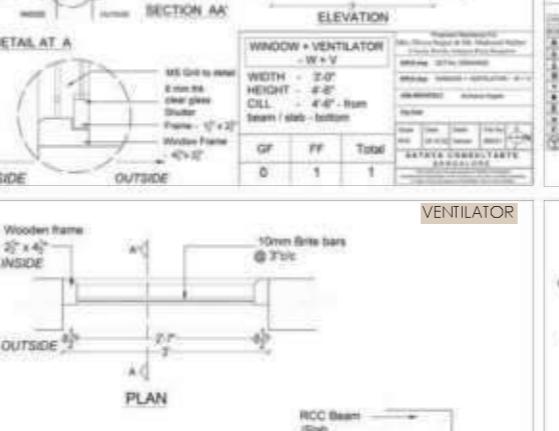
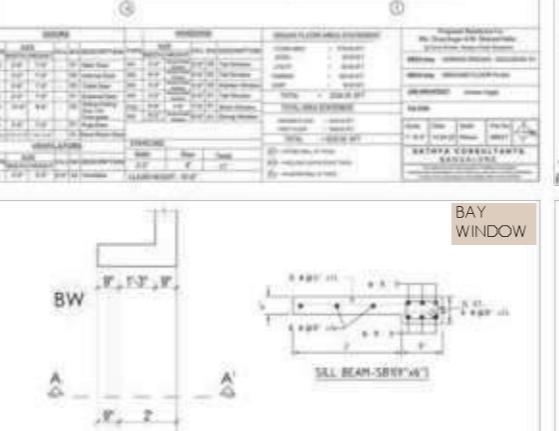
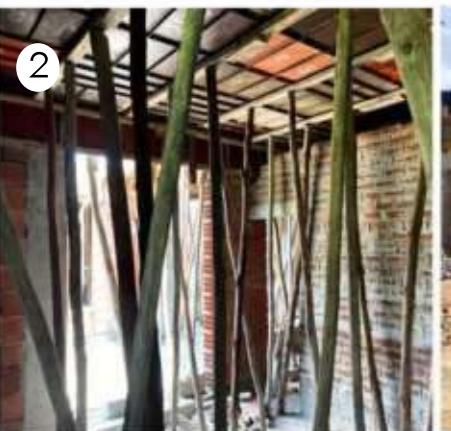
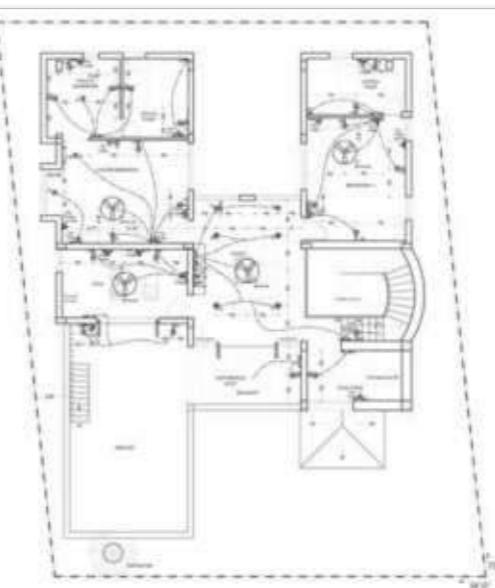
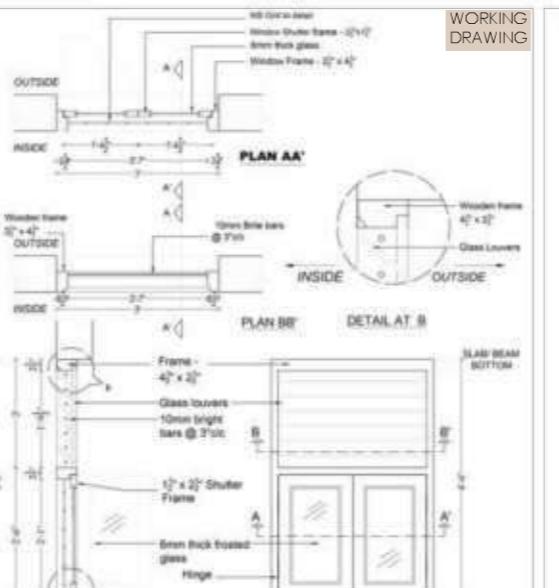
@Sunny brooks,Serjapur road ,
Bangalore

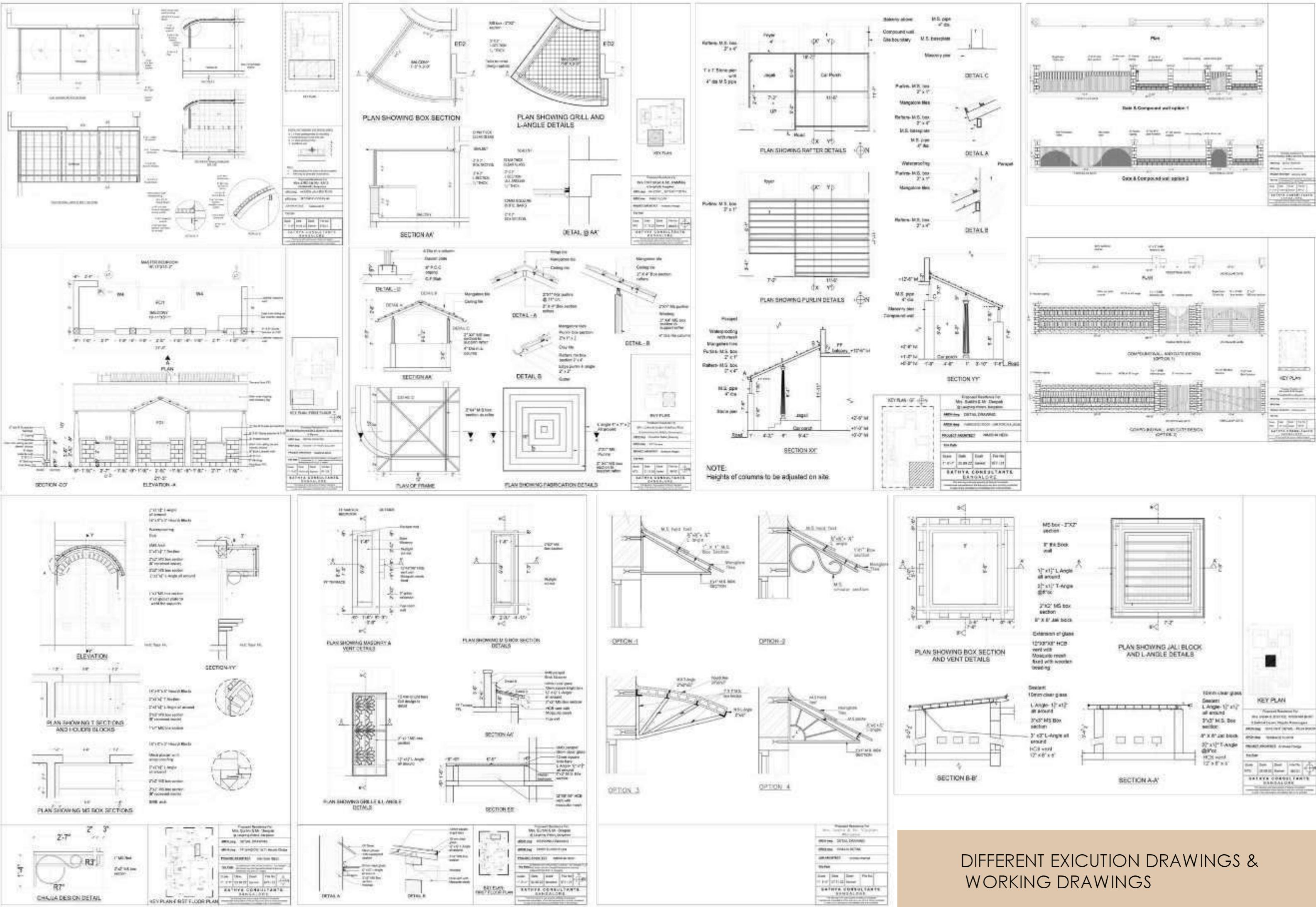
Stage of visit : First floor sill level

Material used: Chapadi stone
Normal brick

1. Normal brick
2. FF Slab shuttering
3. Elevation
4. First floor slab
5. Staircase stone wall

DIFFERENT EXECUTION DRAWINGS & WORKING DRAWINGS

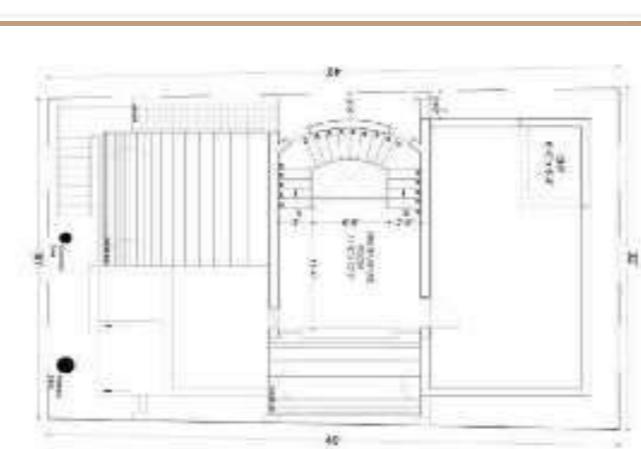
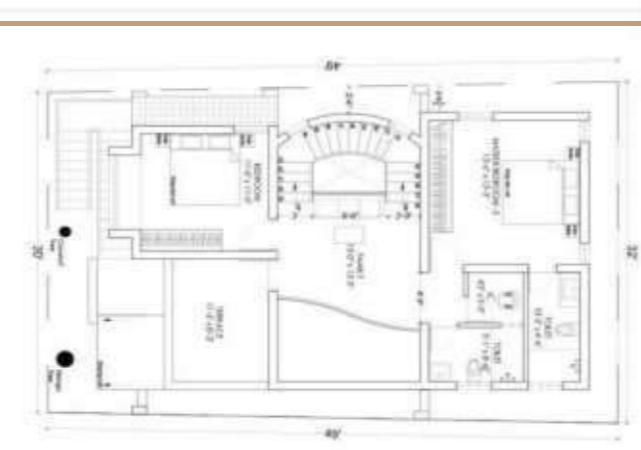
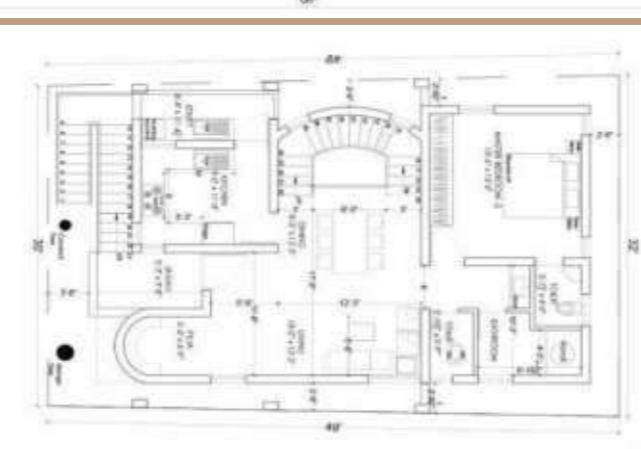
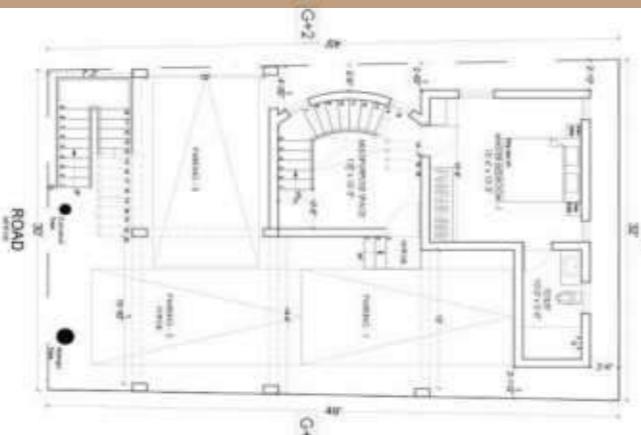
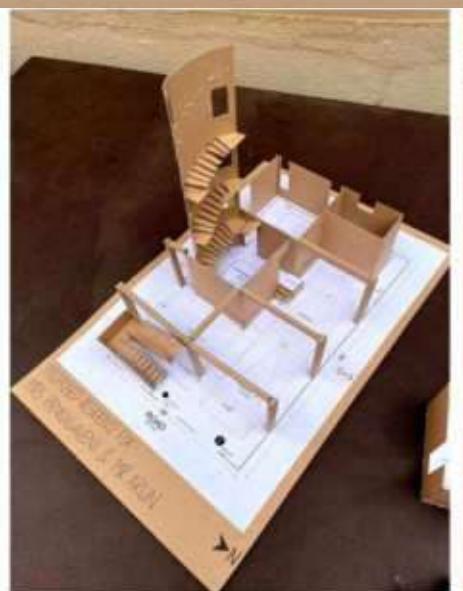




HANDMADE CARDBOARD MODEL

PROJECT NAME - MRS.PANNAGAVENI & MR.ARUN

PLOT SIZE - 30' X 49'



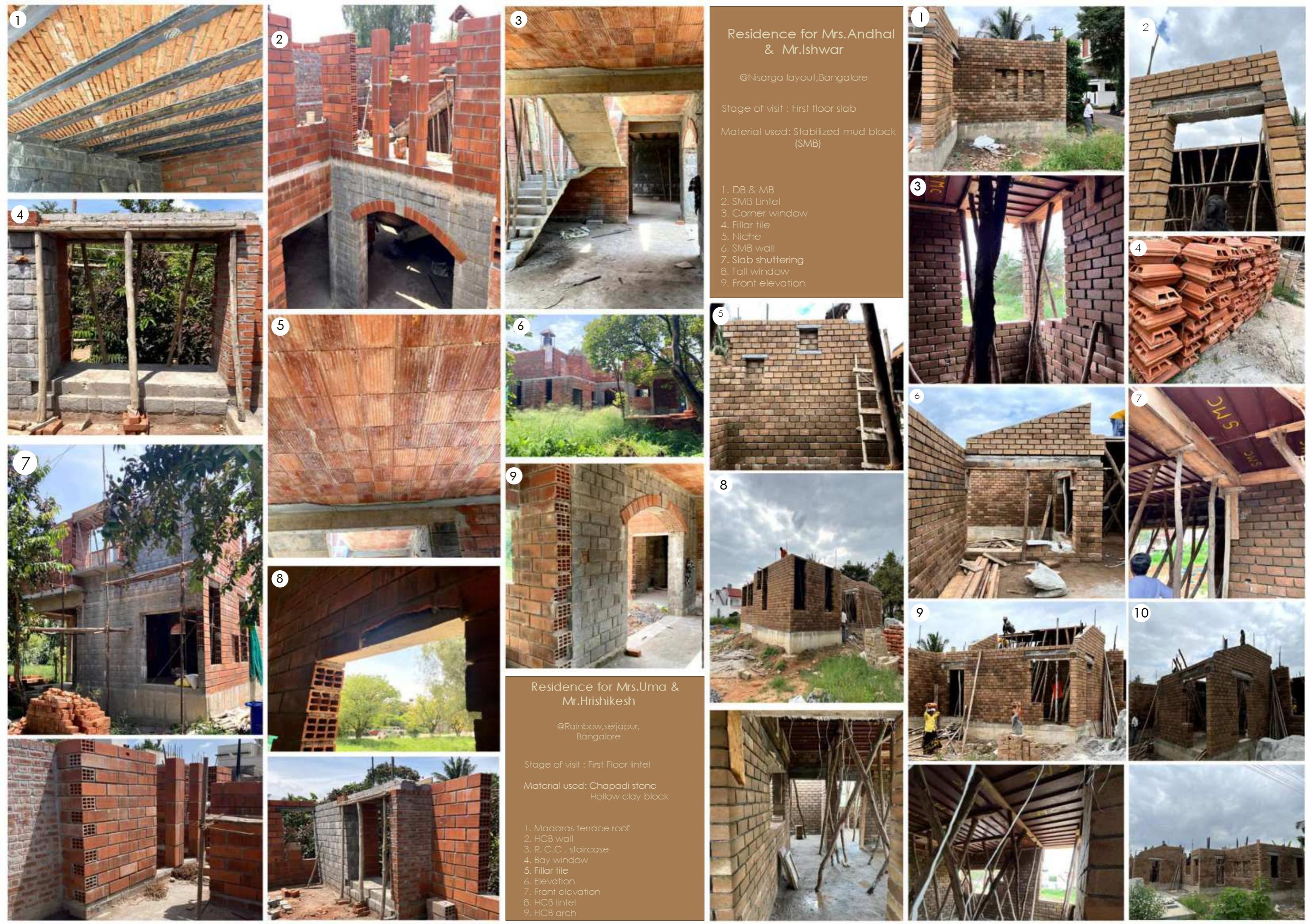
PROJECT NAME - MRS.USHA & MR.KRISHNA BHAT



GROUND FLOOR

FIRST FLOOR

TERRACE FLOOR



ARCHITECTURAL THESIS

WINERY & RESORT AT NANDI HILLS, BANGALORE

ABSTRACT

REFERENCE OF GRAPES IS FROM 4TH CENTURY IN INDIA. THE FRUIT CONTAINS ABOUT 20% SUGAR IN EASILY DIGESTIBLE FORM BESIDES BEING RICH IN CALCIUM AND PHOSPHORUS. WORLD OVER IT IS GROWN MAINLY FOR WINE MAKING (82% PRODUCTION), RAISIN MAKING (10% PRODUCTION) AND REST FOR TABLE PURPOSE (8%). IN INDIA, HOWEVER IT IS MOSTLY CONSUMED AS FRESH FRUIT AND ONLY A LIMITED QUANTITY IS UTILIZED FOR THE PRODUCTION OF LIQUOR, DRY FRUITS LIKE RAISINS ETC.

INTRODUCTION

THE OLDEST REFERENCE OF WINE GRAPE IN INDIA IS IN 4TH CENTURY. IN SANSKRIT GRAPES ARE CALLED DRAKSHA AND IN VEDIC SCRIPTURES AS MADHUPHA LA (HONEY FILLED FRUIT) AND SWADVI (SWEET). IT IS SAID THAT PORTUGUESE PROMOTED PORT WINE IN GOA AND THAT BECAME THE DOMINANT STYLE FOR OVER A CENTURY.

GLOBALLY OVER 90% OF THE GRAPES GROWN ARE WINE GRAPES. HOWEVER, IN INDIA THE MAJORITY OF THE GRAPES GROWN ARE TABLE GRAPES. WINE GRAPES HAVE THICK SKIN.



Top 10 Wine Grape Varietals in India	
Red	White
Cabernet Sauvignon	Sauvignon Blanc
Shiraz	Dandeli
Zinfandel	Chenin Blanc
Merlot	Riesling
Pink Pearl	Cassella
Müller Thurgau	Gilli Muscat
Tempranillo	Sémillon
Pinot Noir	Vignoles



SEEDED VARIETIES THAT ARE DEMANDED IN USA AND ITALY MARKETS ARE NOT PRODUCED IN INDIA. TO TAP THIS POTENTIAL, THERE IS A NEED TO INCREASE AREA UNDER SEEDED VARIETIES OF GRAPES. THE WINE TRADE HAS ENORMOUS POTENTIAL. WITH THE SUPPORT OF GOVT. POLICIES, INDIA CAN MAKE A MARK IN WINE INDUSTRY AT GLOBAL LEVEL.

IT IS A LONG TERM VIABILITY OF LAND AND BUSINESS, HELPS IN CONSERVATION OF NATURAL RESOURCES, ENHANCES VALUE OF REAL ESTATE. ALSO IT ENHANCES RELATIONSHIP WITH CONSUMERS, TOURISTS, AND SPECIFIC DEMOGRAPHICS.

- IN INDIA WE HAVE SCOPE FOR DOUBLE CROPPING IN CERTAIN REGIONS AND HARVESTING ROUND THE YEAR IN CERTAIN VARIETIES IS PRACTICALLY FEASIBLE. TECHNOLOGIES TO PRODUCE EXPORT QUALITY GRAPES AND QUALITY RAISINS ARE AVAILABLE.
- THIS REPORT FOCUSES ON CONTRAST IN INDUSTRY, AGRICULTURE, WINERY AND VINEYARDS.

CLIMATIC REQUIREMENTS

- IN ITS NATURAL HABITAT, THE CROP BEARS FRUIT DURING THE HOT AND DRY PERIOD AND UNDERGOES DORMANCY DURING THE PERIOD OF SEVERE COLD. IT TOLERATES FROST DURING RESTING STAGE BUT IS VERY SUSCEPTIBLE DURING GROWING PERIOD.

- TEMPERATURE RANGING FROM 15-35 DEG.C IS IDEAL FOR SHOOT GROWTH AND NORMAL PHYSIOLOGICAL PROCESSES OF THE GRAPEVINE. VINES AND FRUITS DO NOT GROW WELL WHEN THE TEMPERATURE FALLS BELOW 10 DEG.C.

- LOCATIONS WHERE THE ANNUAL RAINFALL DOES NOT EXCEED 900 MM ARE IDEAL FOR ITS CULTIVATION.

- MORE THAN THE AMOUNT OF RAINFALL RECEIVED DURING A YEAR, THE NUMBER OF RAINY DAYS IN A YEAR AND THE OCCURRENCE OF RAINS IN RELATION TO THE HUMIDITY ASSOCIATED WITH RAINS DURING FLOWERING AND FRUIT RIPENING IS STAGE OF GROWTH OF THE VINE IS IMPORTANT.

- NOT FAVOURABLE AND INVITES THE ATTACK OF FUNGAL DISEASES.



SITE ANALYSIS

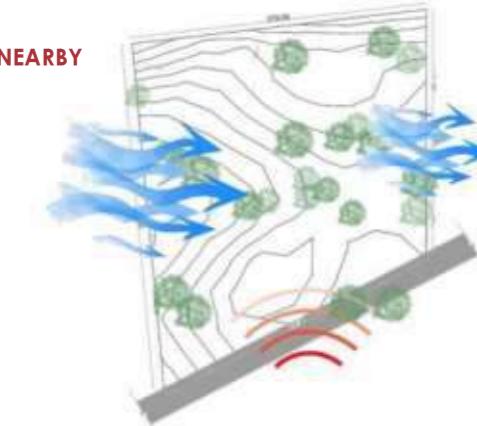
**INDIA****KARNATAKA****BANGALORE**

ACCESSIBILITY

**PROPOSED VINEYARD AND RESORT AT NANDI HILLS**

DISTANCES FROM THE SITE TO NEARBY VINEYARDS.

GROOVER ZAMPA -16KM
LE MAISON DE ESTRELLA- 1.3KM
ESCAPE VINEYARD- 20KM
BANGALORE SOMA VINEYARDS-30KM



OBJECTIVES

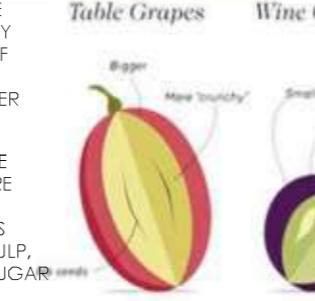
- THE OBJECTIVE IS TO INCREASE GRAPE CULTIVATION. SO, IT WILL HELP TO PRESERVE NUTRIENTS IN SOIL.
- THE WINE TRADE HAS ENORMOUS POTENTIAL WHICH LEADS IN TAKING WINE-TRADE TO GLOBAL LEVEL WITH THE HELP OF GOVERNMENT POLICIES.

THE OBJECTIVE IS TO ENHANCE VALUE OF REAL ESTATE AND ALSO ENHANCE RELATION BETWEEN CONSUMERS, TOURISTS AND INTERNATIONAL MARKET AND DESIGN A BUILDING STRUCTURE IN LOW-COST MATERIALS WITH A GOOD STRENGTH.

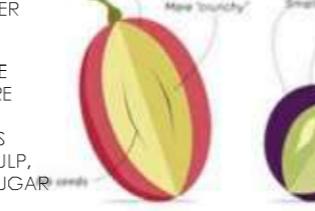
METHODOLOGY

- STUDY OF WINE MAKING PROCESS.
- STUDY FACTORS AFFECTING WINE QUALITY LIKE CLIMATE,

- WINE GRAPES ARE SMALLER, HAVE VERY THICK SKINS, LOTS OF JUICE AND HAVE NUMEROUS SEEDS PER GRAPE.



- TABLE GRAPES ARE GROWN TO BE MORE PHYSICALLY EYE-CATCHING, LESS JUICE AND MORE PULP, LESS ACIDITY AND SUGAR WITH THINNER SKINS.



ECONOMIC IMPORTANCE

- THE FRUIT CONTAINS ABOUT 20% SUGAR IN EASILY DIGESTIBLE FORM BESIDES BEING RICH IN CALCIUM AND PHOSPHORUS.
 - WORLD OVER IT IS GROWN MAINLY FOR WINE MAKING (82% PRODUCTION), RAISIN MAKING (10% PRODUCTION) AND REST FOR TABLE PURPOSE (8%).
- IN INDIA, HOWEVER IT IS MOSTLY CONSUMED AS FRESH FRUIT AND ONLY A LIMITED QUANTITY IS UTILIZED FOR THE PRODUCTION OF LIQUOR, DRY FRUITS LIKE RAISINS ETC.

CONCLUSION

VINEYARD RESORT IS A PLACE WHERE PEOPLE CAN ENGAGE THEMSELVES INTO DIFFERENT ACTIVITIES. THROUGH THIS, IT ENABLES US TO FOSTER HEALTH AND WINE RELATIONSHIP IN A PLAYFUL MANNER.

THESE HAVE TO CATER TO THE BUSY EXECUTIVE AND AT THE SAME TIME, PROVIDE RELAXED AMBIENCE TO BE DESIGNEE AND ALL THE VARIOUS DESIGN DISCIPLINES COME INTO PLAY.

BRIEF INTERPRETATION

THE PROJECT OF VINEYARD IS LOCATED IN KARNATAKA. IT IS 50 KM FROM BANGALORE CITY ON THE FOOTHILLS OF NANDI HILLS. THIS REGION IS PREDOMINANTLY AN AGRICULTURE AREA AND THE SOIL CONDITIONS AND WEATHER IS PERFECT FOR GROWING GRAPES.

THE DESIGN PROPOSAL CONVERTS AN UNAPPEALING INDUSTRIAL FACILITY TO AN ATTRACTIVE SPOT. THE VARIOUS SITUATIONS ONE CAN EXPERIENCE DURING A STAY IN THE WINERY SHOULD BE WELL DESIGNED, COMFORTABLE AND HOLISTIC. THE FUNCTIONS SHOULD INCLUDE SERVICES FOR TOURISTS (SUCH AS ACCOMMODATION AND VISITORS CENTER) AS WELL AS FUNCTIONS FOR LOCAL SOCIETY (SOCIAL HUB, RESTAURANT, BANQUET HALL AND SHOP) THE DESIGNED SPACES SHOULD BE FLEXIBLE TO ACCOMMODATE VARIOUS EVENTS, ESPECIALLY IN THE PART OF THE PRODUCTION WHICH IS USE FOR 3 MONTHS PER YEAR AND IN THE REST OF THE TIME IS EMPTY.

CLIMATE

TROPICAL CLIMATE

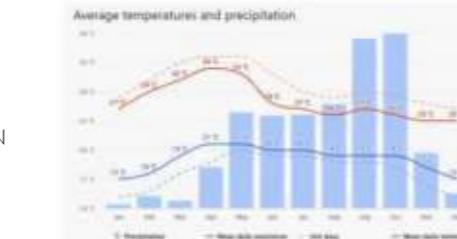
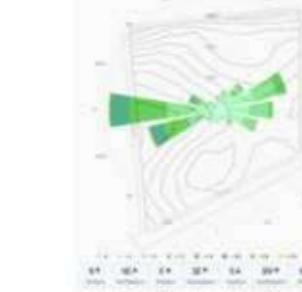
THE TEMPERATURE HERE AVERAGES 22.9 °C. APRIL IS THE WARMEST MONTH OF THE YEAR. THE TEMPERATURE IN APRIL AVERAGES 26.6 °C | 80.0 °F. THE LOWEST AVERAGE TEMPERATURES IN THE YEAR OCCUR IN DECEMBER, WHEN IT IS AROUND 20.1 °C | 68.2 °F.

HUMIDITY:

THE MONTH WITH THE HIGHEST RELATIVE HUMIDITY IS AUGUST (79.24 %). THE MONTH WITH THE LOWEST RELATIVE HUMIDITY IS MARCH (41.49 %).

PRECIPITATION:

THE MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IS JULY (20.47 DAYS). THE MONTH WITH THE LOWEST NUMBER OF RAINY DAYS IS FEBRUARY (1.33 DAYS).

**TEMPERATURE AND PRECIPITATION****WINDROSE DIAGRAM****S**

- SCENARIC VIEWS ON ALL 4 SIDE OF THE SITE.
- EASY ACCESS FROM MAIN ROAD.
- HIGH TOURISTS CONCENTRATION.
- FERTILE SOIL CONDITION FOR GROWTH OF GRAPES.
- HEAVY VEGETATION ON SITE.

W

- NOISE CAUSED BY HEAVY VEHICLES.

O

- GREENARY AROUND THE SITE CAN BE USED FOR LANDSCAPING.
- USE OF AVAILABLE RESOURCES.
- LOCATED NEAR START POINT OF NANDI HILL TREK.

T

- SITE IS LOCATED IN THE OUTSKIRTS OF THE CITY.

VINEYARD AND RESORT AT NANDI HILLS, BANGALORE.

CONCEPT & ZONING

CONSTRUCTION TECHNIQUES

NATURAL CONSTRUCTION TECHNIQUES SUCH AS
- TRUSSES SYSTEM IS USED FOR THE ROOF CONSTRUCTION.
- WALLS ARE CONSTRUCTED FROM MATERIAL USED BY PROVIDING MAXIMUM OPENING FOR THE OPENNESS AND CONNECTION WITH NATURE.



FORM DEVELOPMENT

FORM OF A BUILDING IS DESIGNED IN SUCH A WAY THAT
- IT RESPONSES CONTEXT
- PROVIDES EASY AND COMFORTABLE ACCESS TO THE VISITORS
- GIVES THE FEELING OF CALMNESS AND SOOTHING
- FEW SPACES LIKE VILLAS ARE DEVELOPED AS PER THE CONTOURS



VERNACULAR ARCHITECTURE

- A TYPE OF LOCAL OR REGIONAL CONSTRUCTION, USING TRADITIONAL MATERIALS AND RESOURCES FROM THE AREA WHERE THE BUILDING IS LOCATED.
- THIS ARCHITECTURE IS CLOSELY RELATED TO ITS CONTEXT AND IS AWARE OF THE SPECIFIC GEOGRAPHIC FEATURES AND CULTURAL ASPECTS OF ITS SURROUNDINGS, BEING STRONGLY INFLUENCED BY THEM.
- VERNACULAR ARCHITECTURE TENDS TO BE OVERLOOKED IN TRADITIONAL HISTORIES OF DESIGN. IT IS NOT A STYLIC DESCRIPTION, MUCH LESS ONE SPECIFIC STYLE, SO IT CANNOT BE SUMMARIZED IN TERMS OF EASY-TO-UNDERSTAND PATTERNS, CHARACTERISTICS, MATERIALS, OR ELEMENTS.

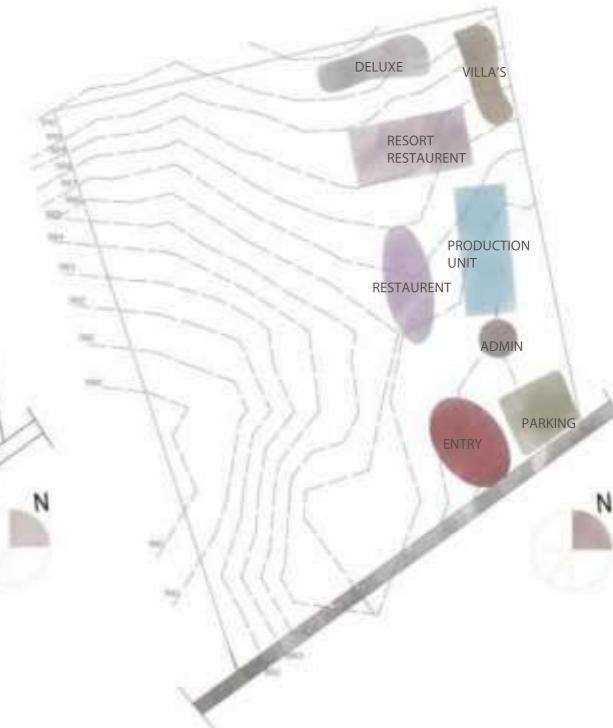
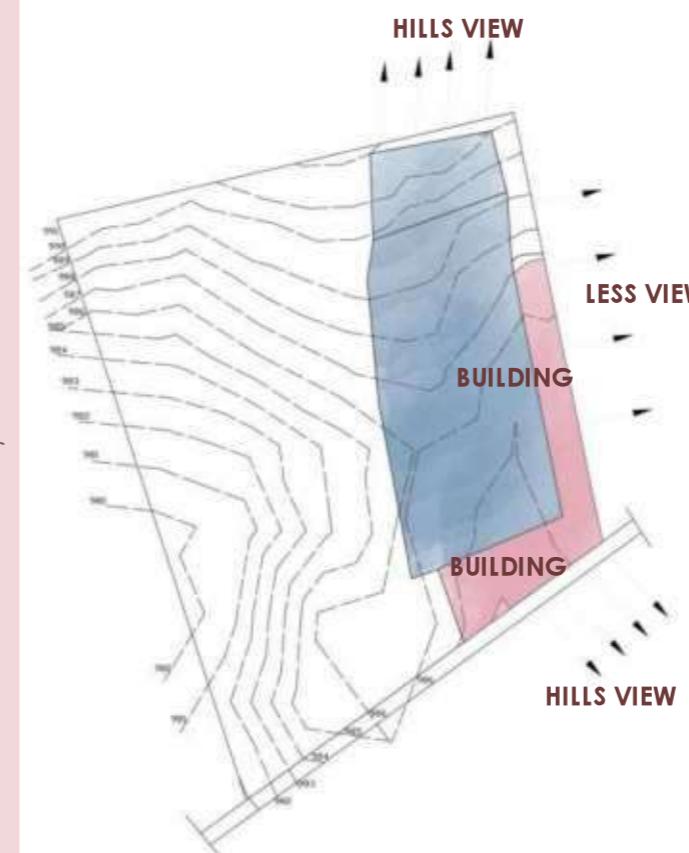
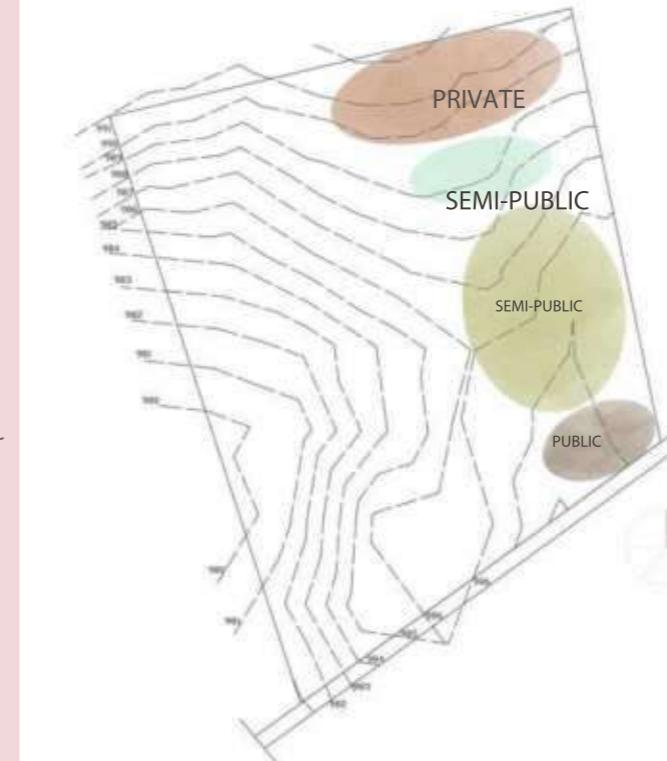


THE BUILDINGS ARE CONSTRUCTED FROM ALL THE LOCALLY AVAILABLE MATERIAL - THE DESIGNED STRUCTURE TRIES TO FULFILL ALL THE CLIMATIC RESPONSIVE ELEMENTS - ORIENTATION, MATERIALS AND CONSTRUCTION SYSTEM TO RESPONSE CLIMATE. - STRATEGIES TO RESPONSE CLIMATE, OPENINGS AND OPEN SPACES ARE PROVIDED IN SUCH A WAY TO RESPONSE CLIMATE.

MATERIALS

ECOLOGY AND CLIMATE RESPONSIVE

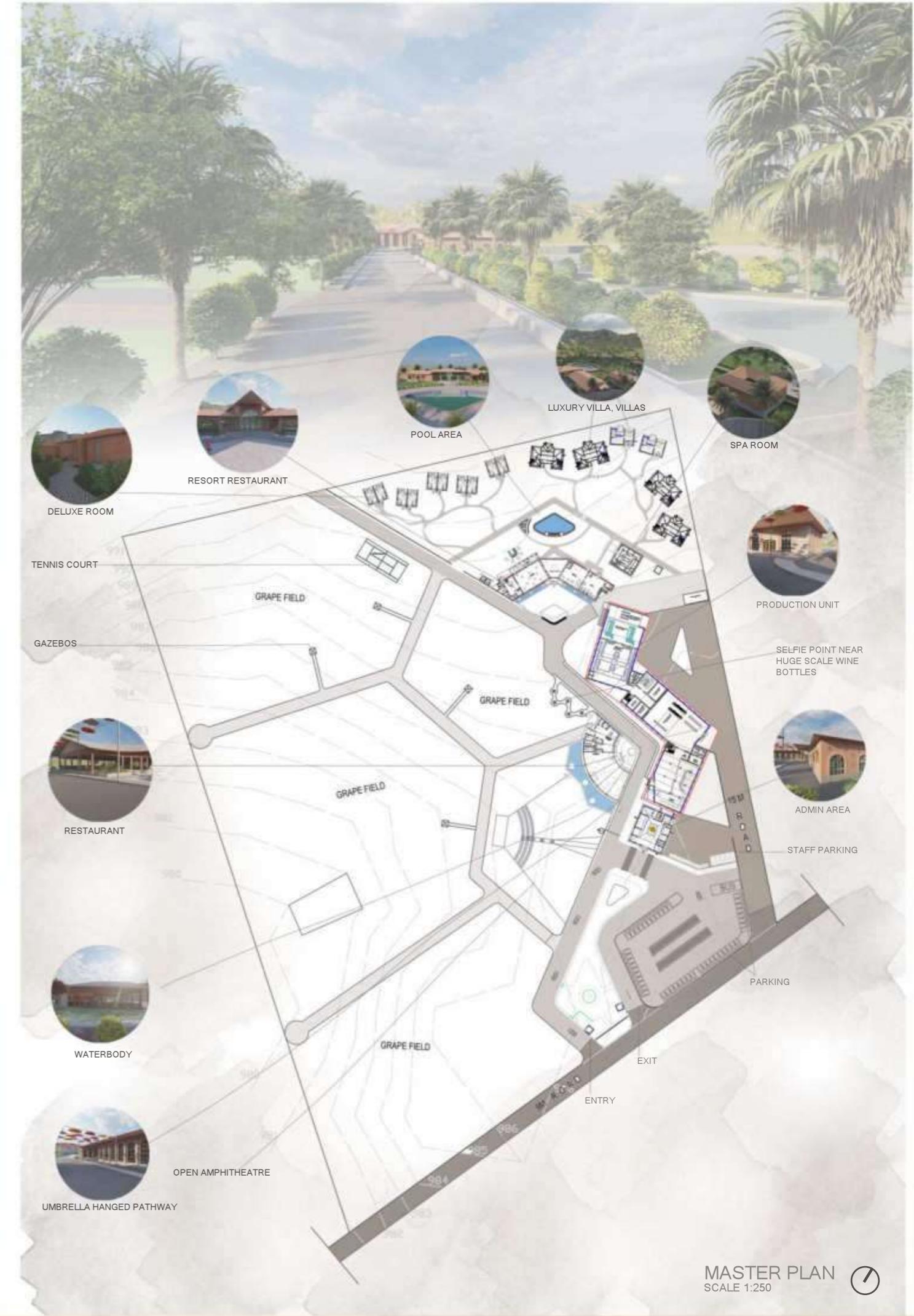
ZONING ON SITE



SITE SECTION



VINEYARD AND RESORT AT NANDI HILLS, BANGALORE.



VINEYARD AND RESORT AT NANDI HILLS, BANGALORE.



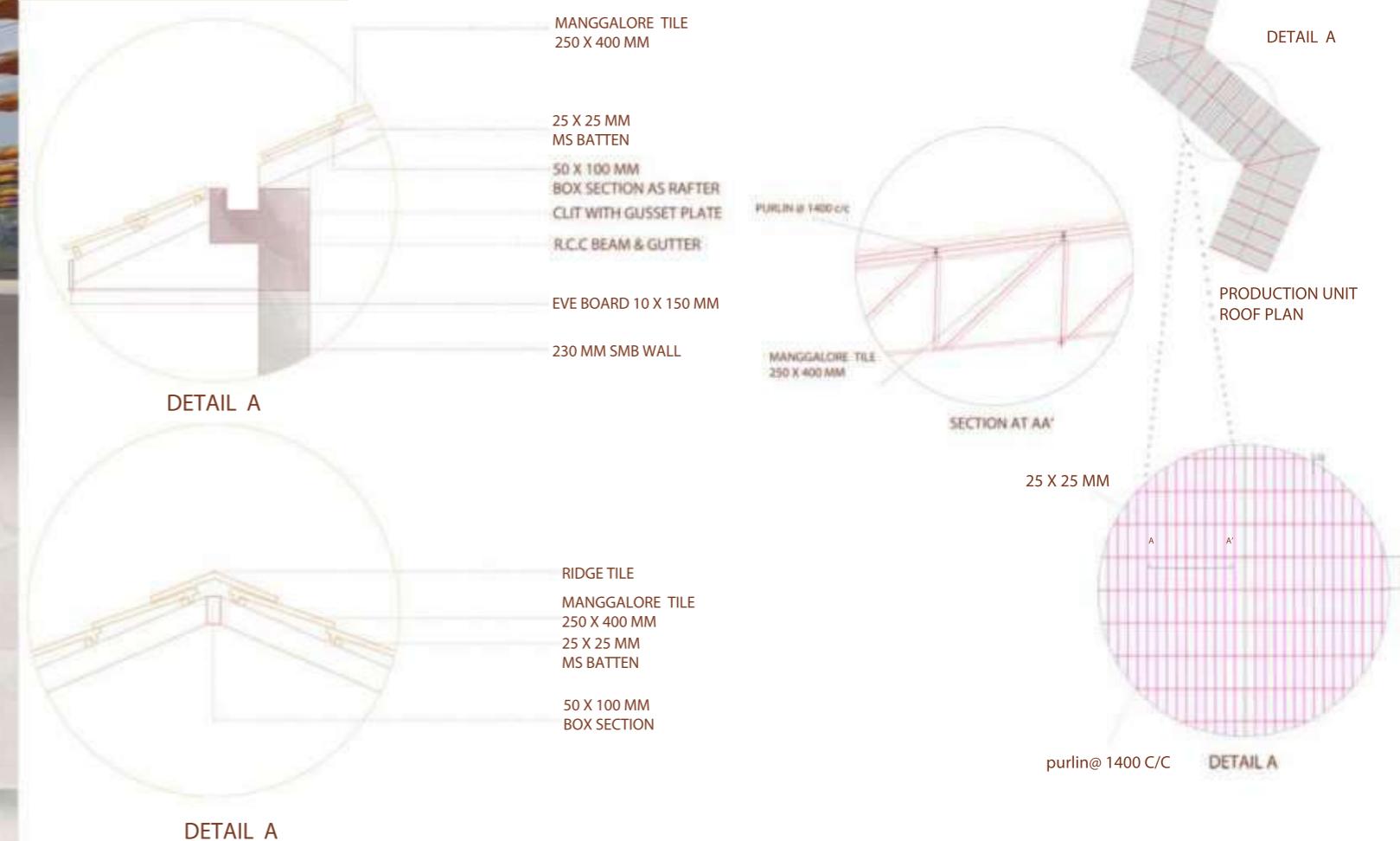
VINEYARD AND RESORT AT NANDI HILLS, BANGALORE.



VINEYARD AND RESORT AT NANDI HILLS, BANGALORE.



DETAILS



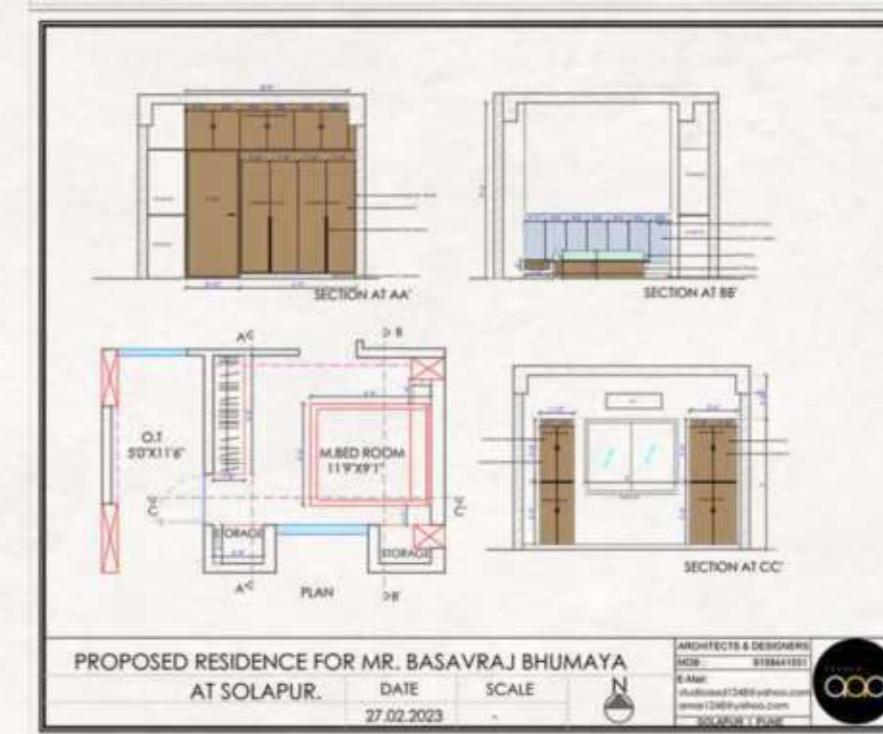
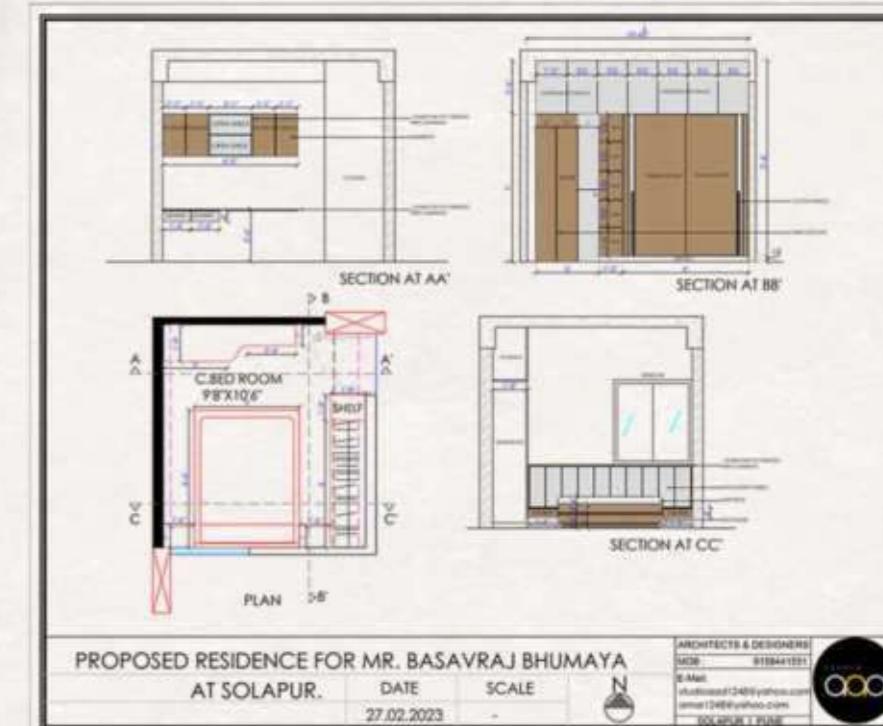
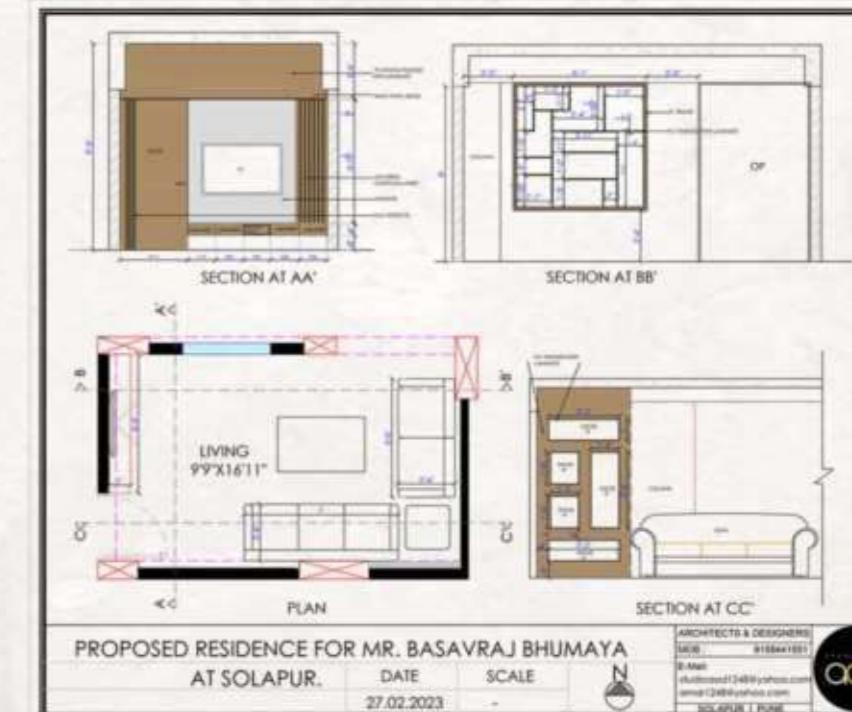
VINEYARD AND RESORT AT NANDI HILLS, BANGALORE.

PROFESSIONAL WORK

INTERIOR FOR
MRS & MR BHUMAYA , SOLAPUR



FLOOR PLAN



PROFESSIONAL WORK

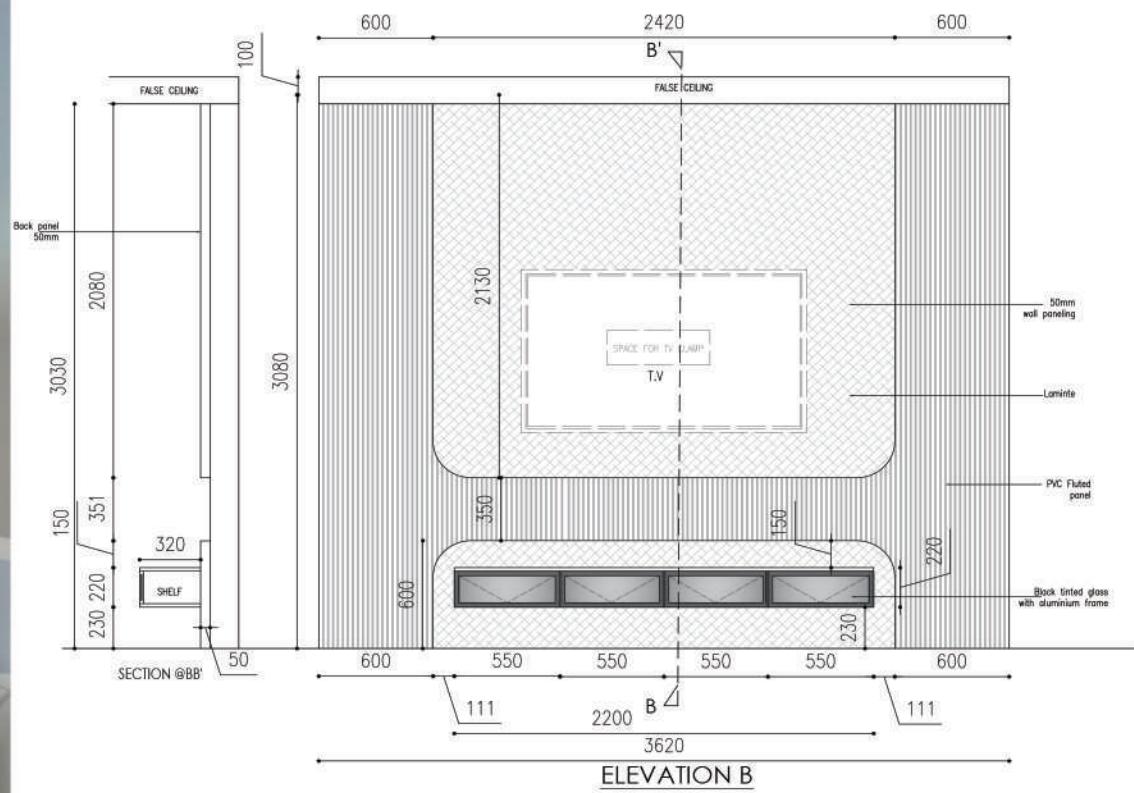
PROPOSED LAYOUT FOR OPEN SPACE

MRS RAJABHAI TAKLE, SOLAPUR

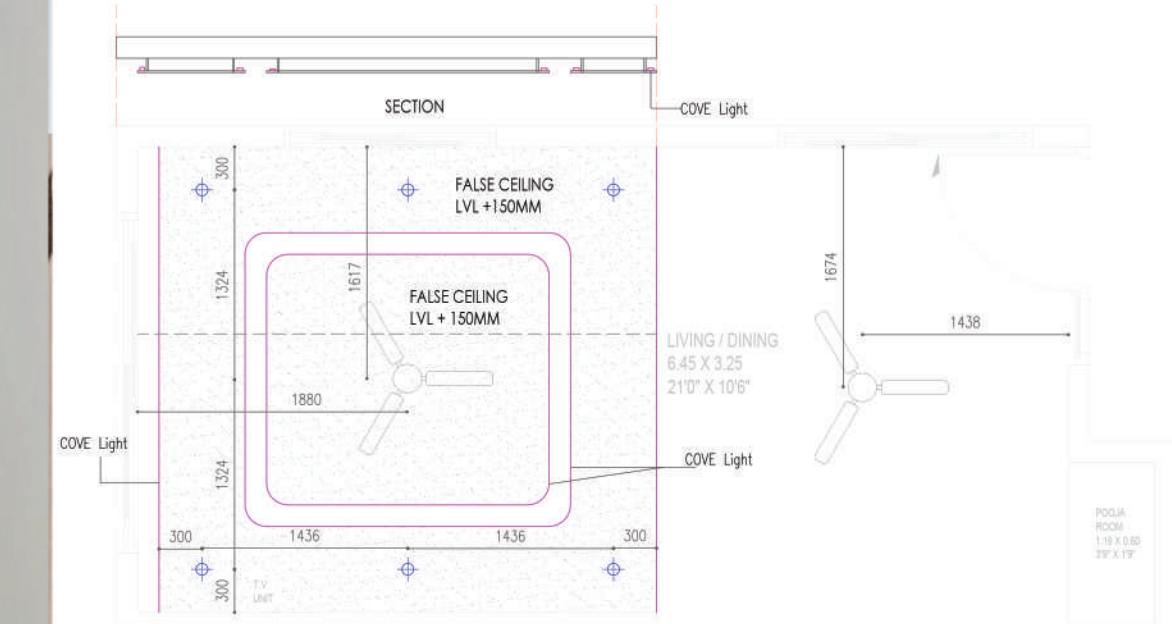




**MR. BALAJI, TRIFECTA VILLA
BANGLAORE**

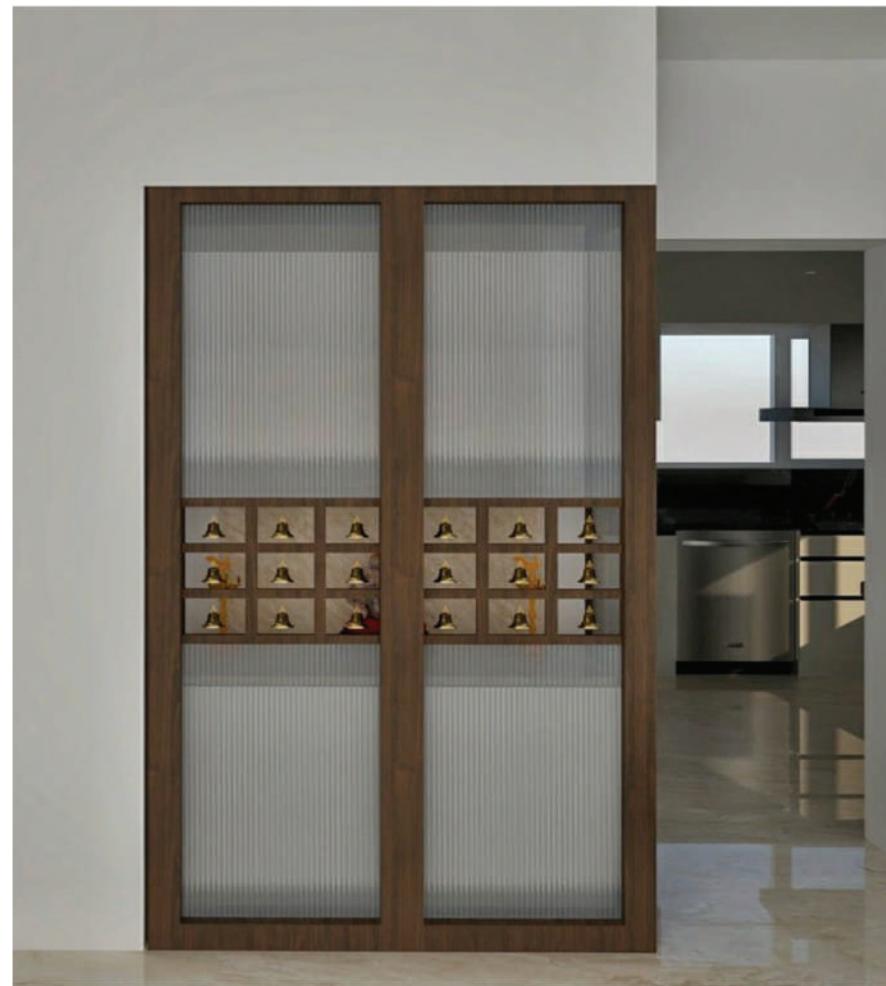


SECTIONAL ELEVATION B

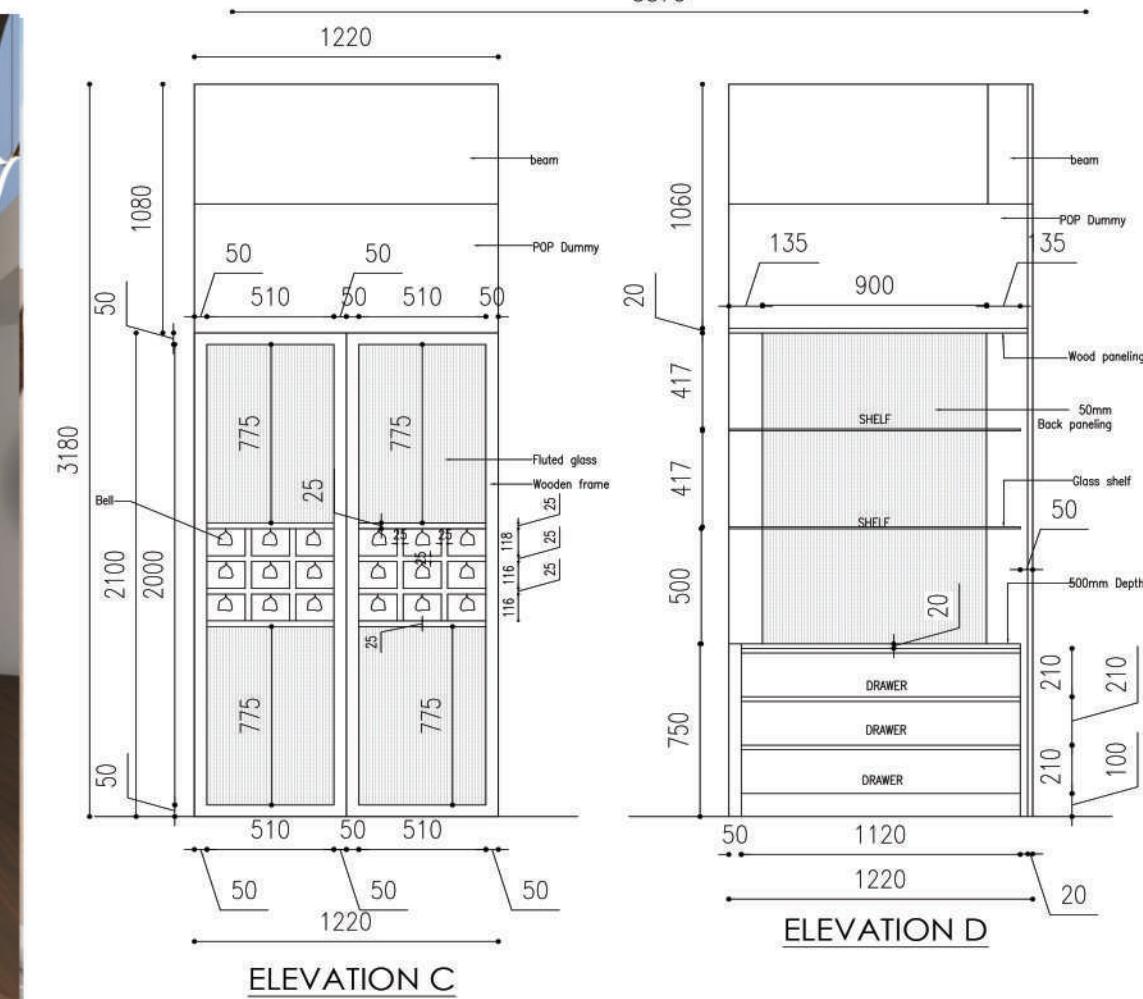
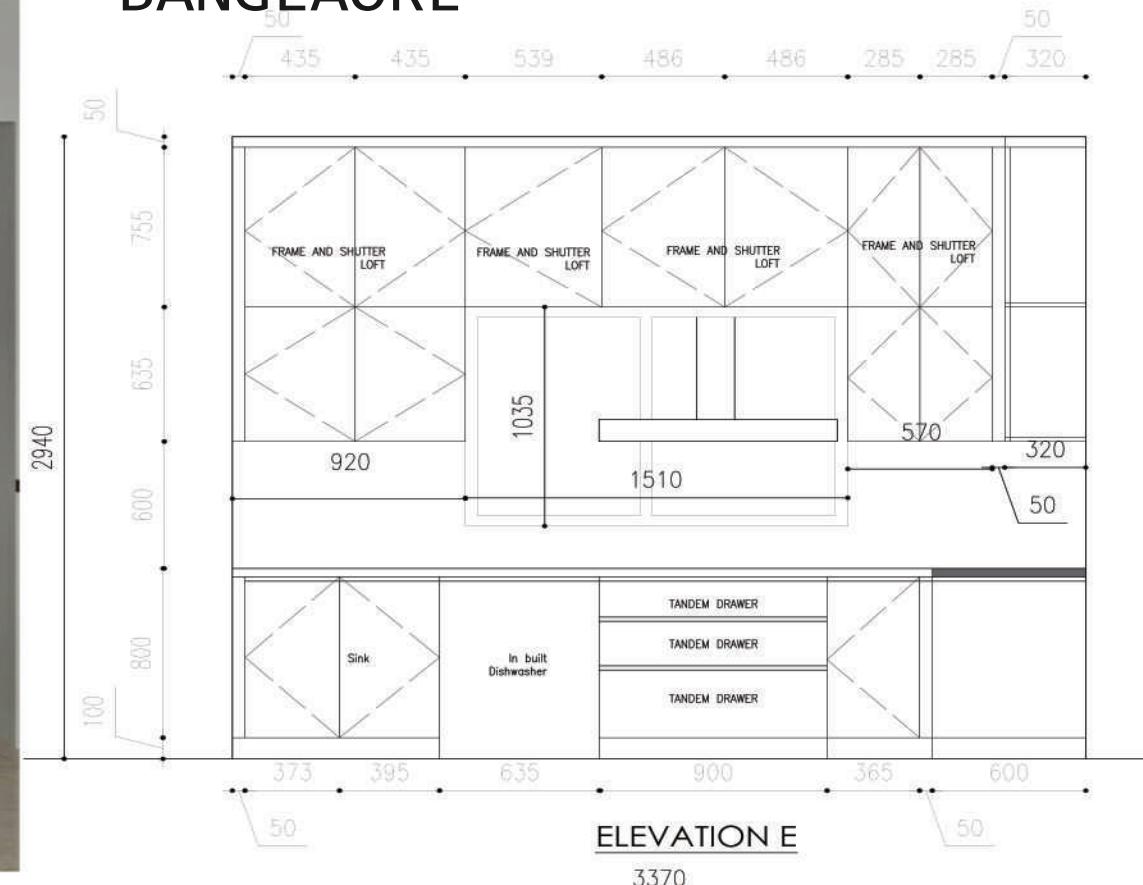


FALSE CEILING PLAN

LIVING ROOM

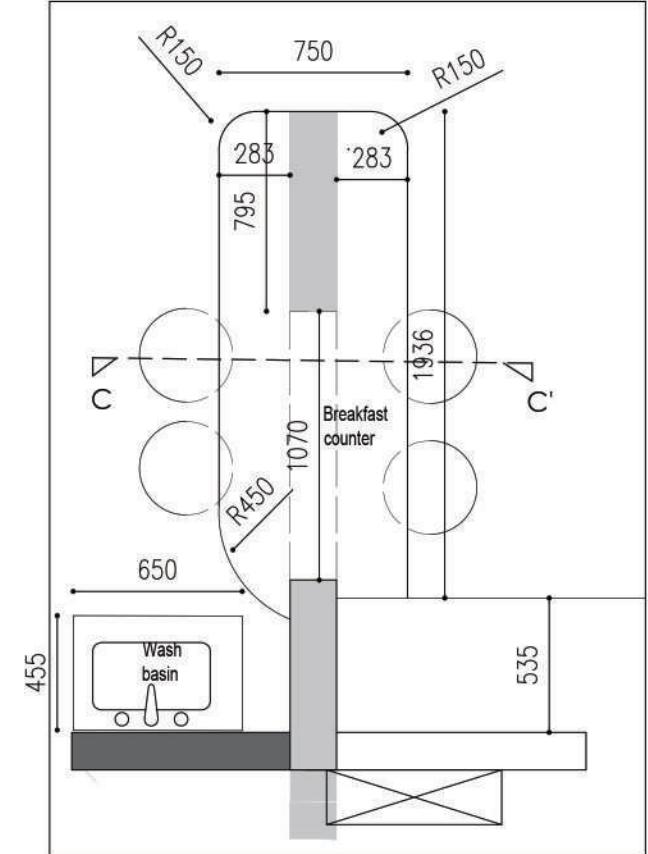
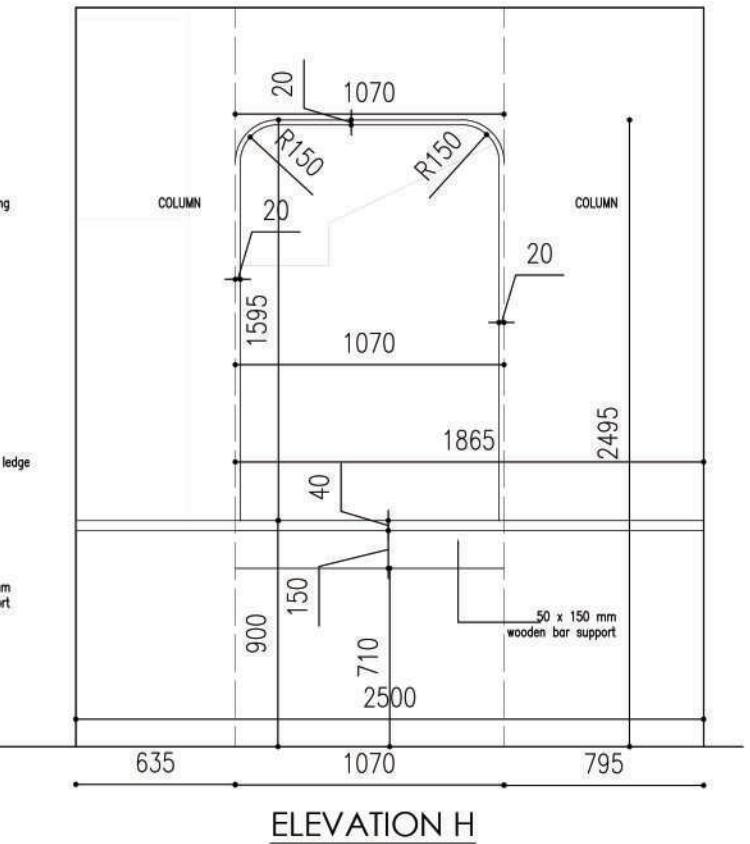
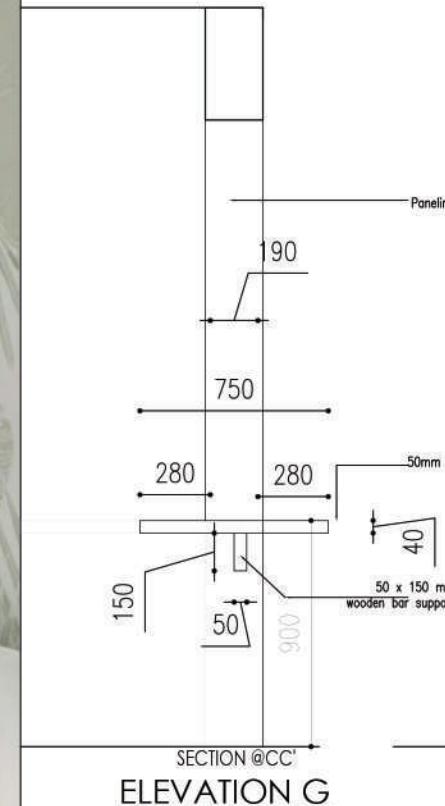


MR. BALAJI, TRIFECTA VILLA
BANGLAORE

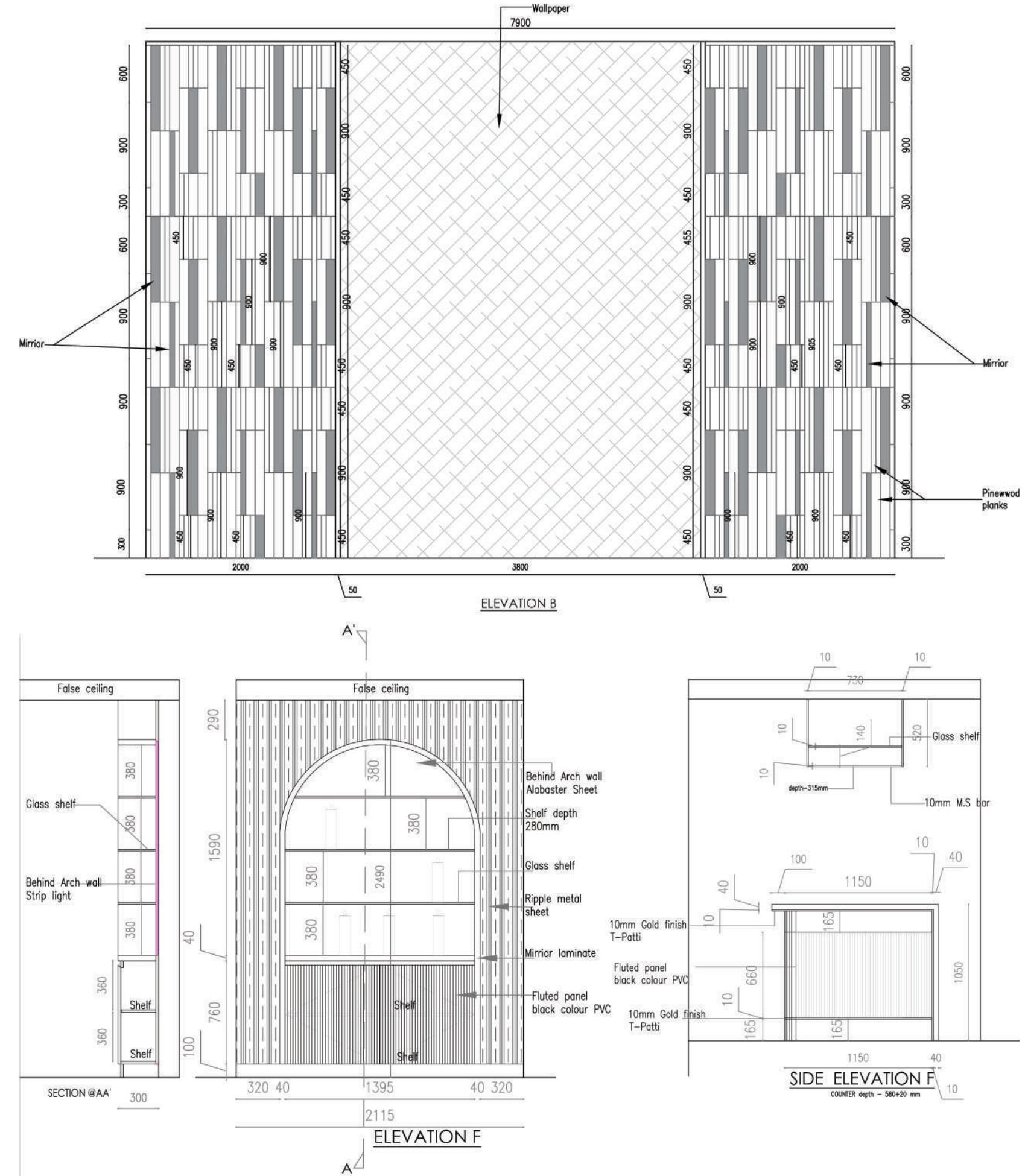


KITCHEN & POOJA ROOM

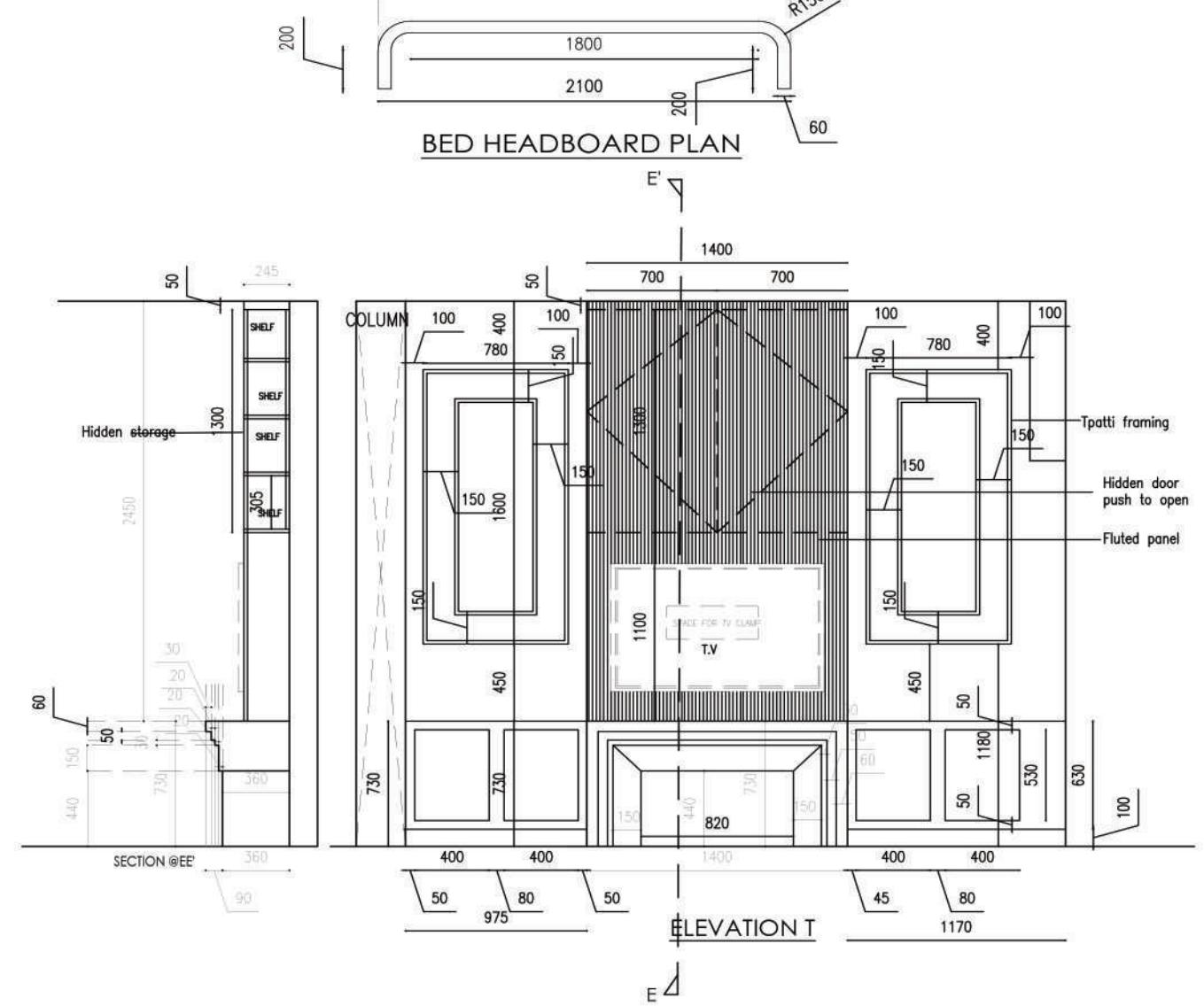
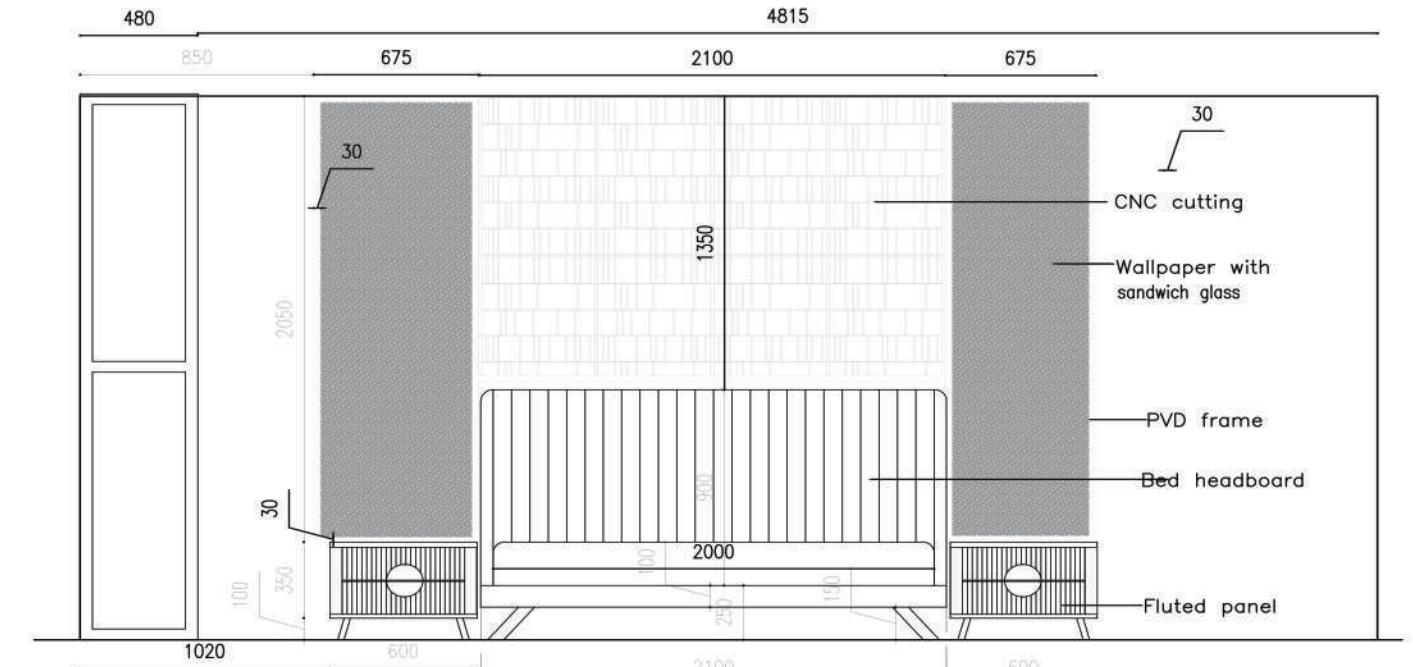
MR. BALAJI, TRIFECTA VILLA BANGLAORE



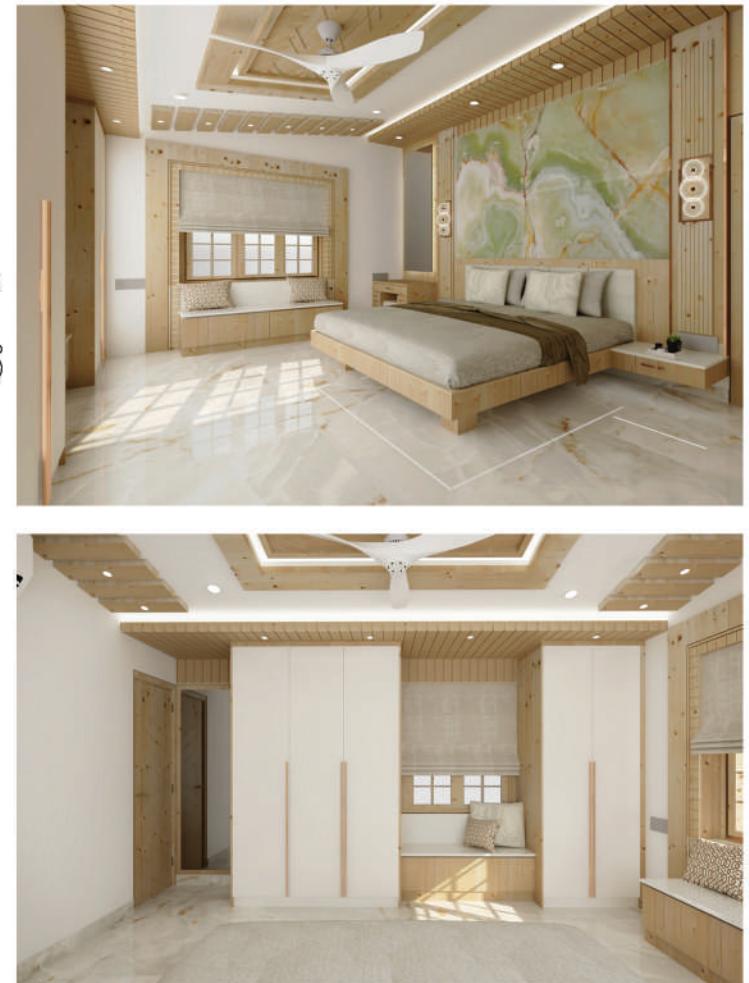
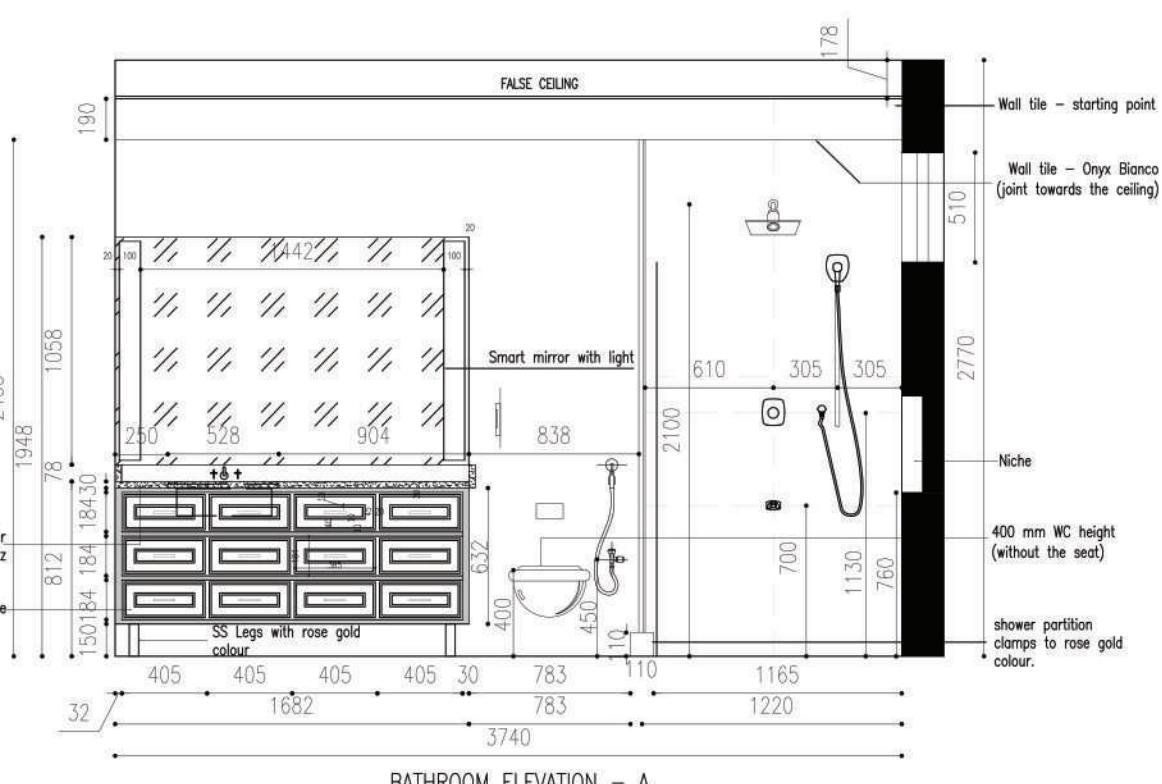
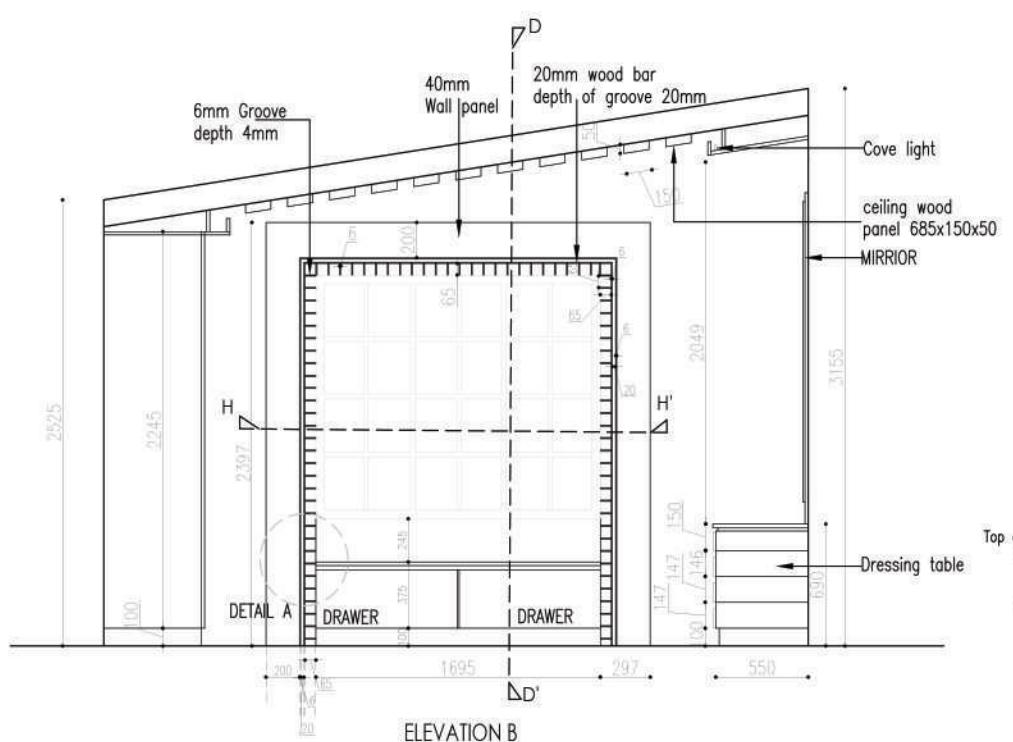
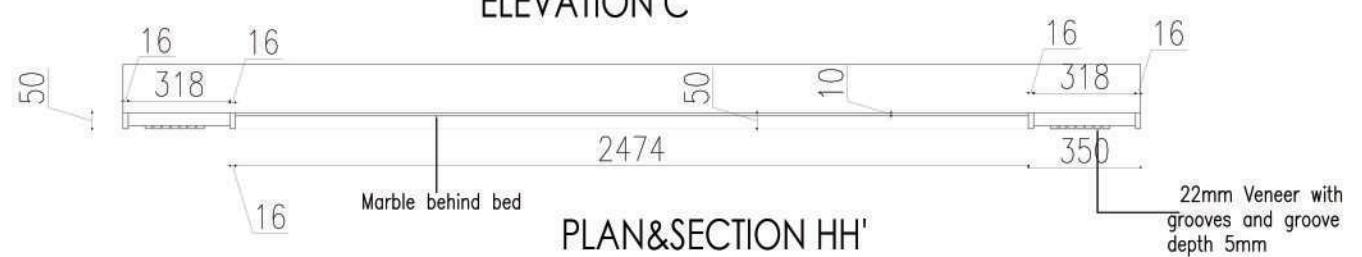
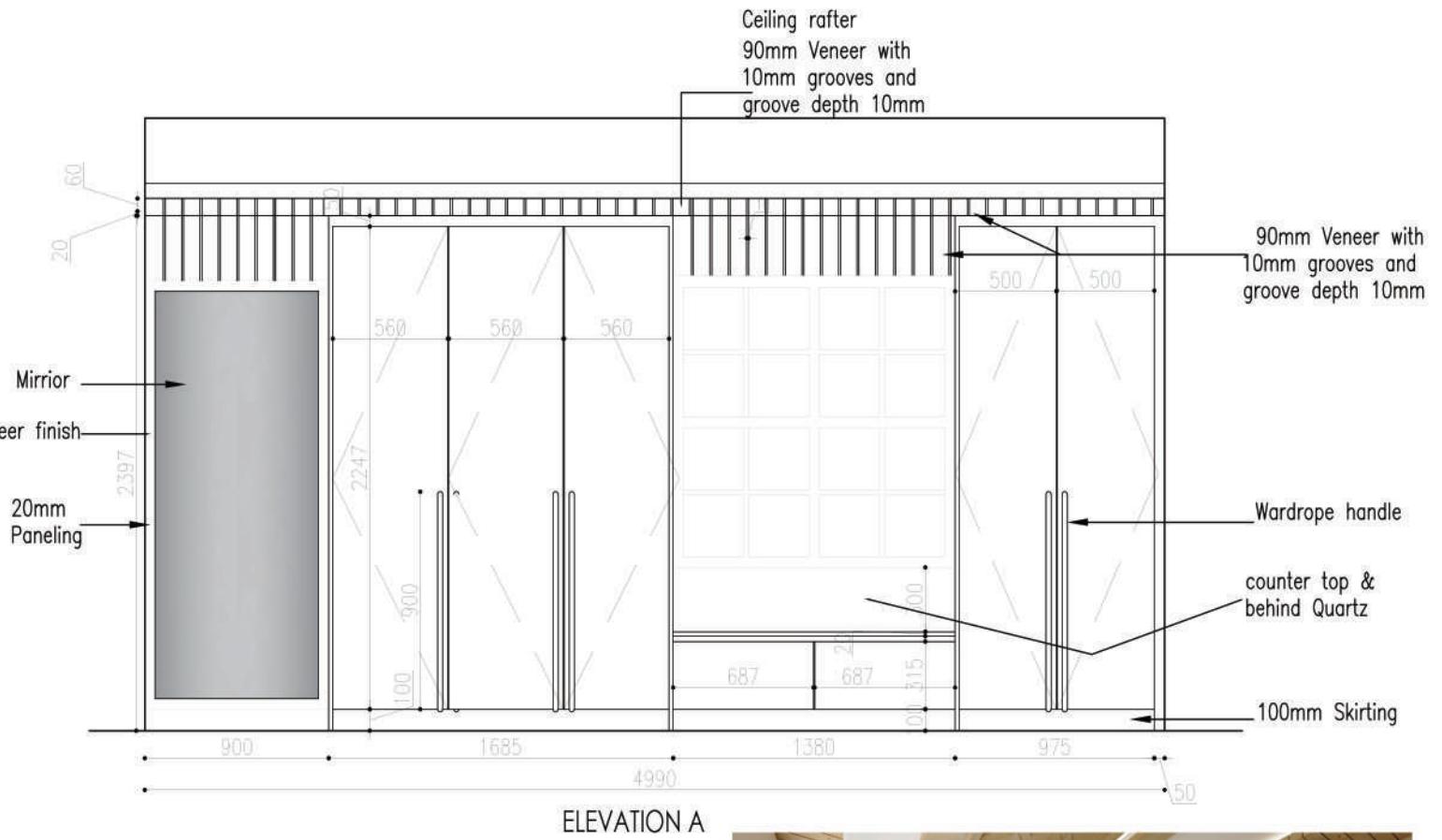
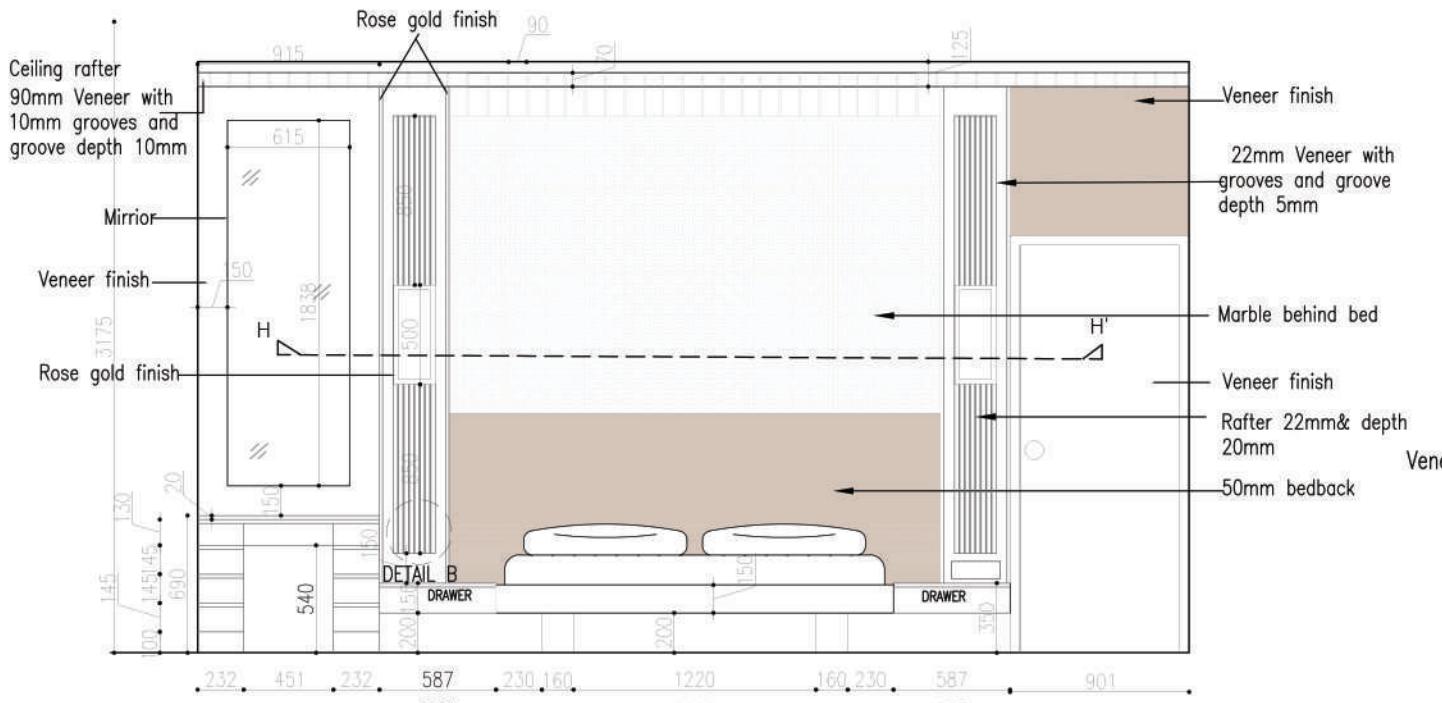
KITCHEN & DINING & BED ROOM



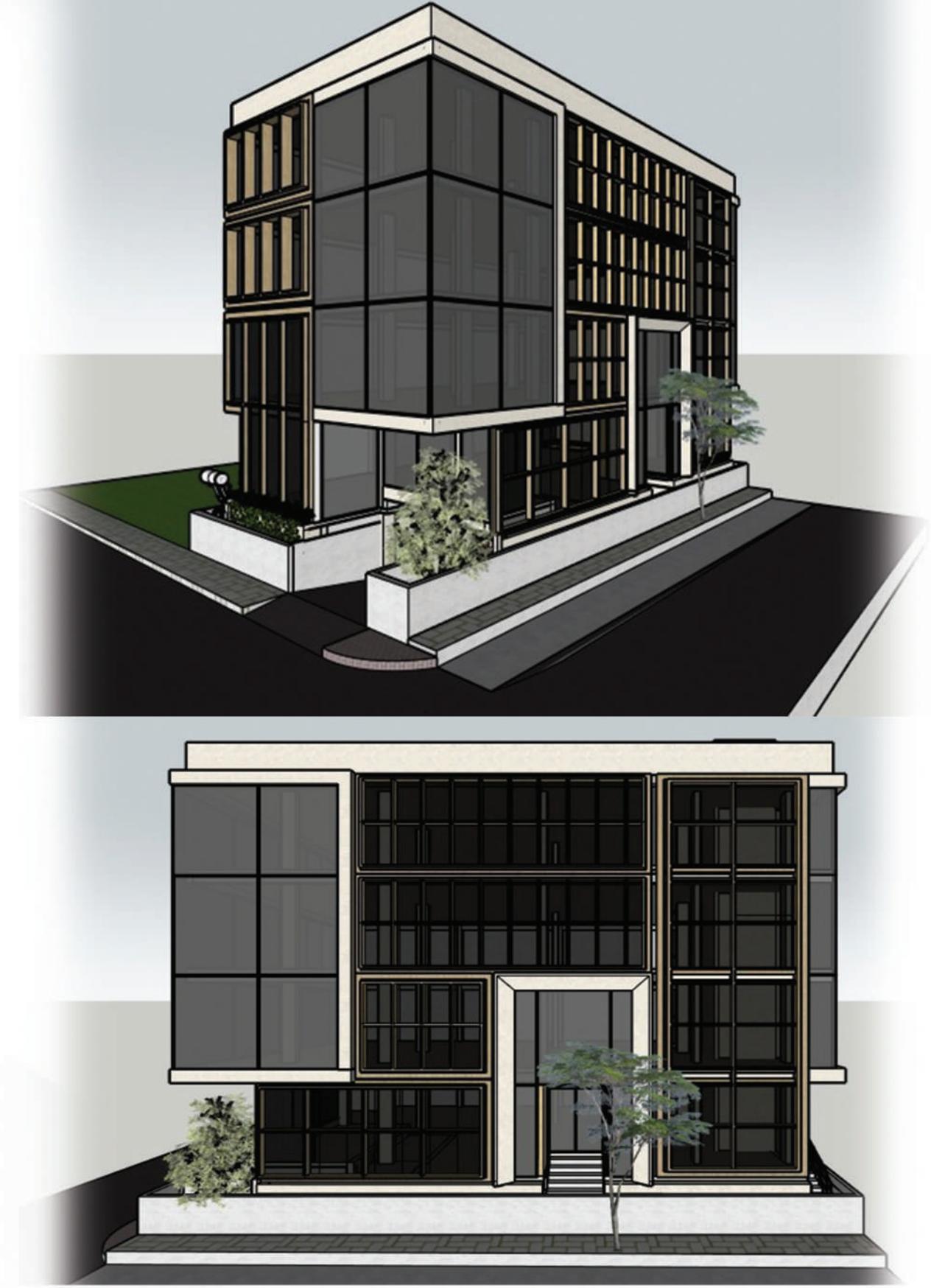
MRS. RAJINI VILLA, BANGLAORE



MRS. RAJINI VILLA, BANGLAORE
WORKING DRAWING



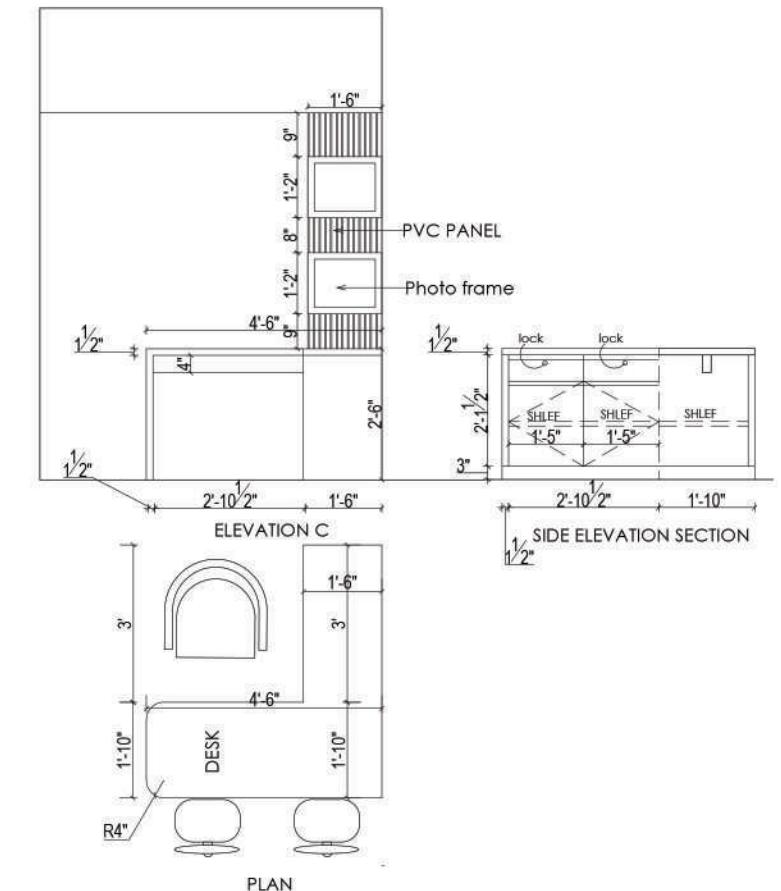
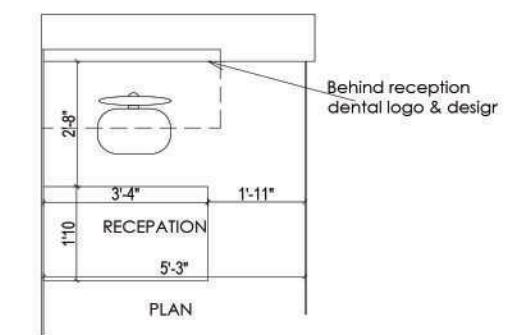
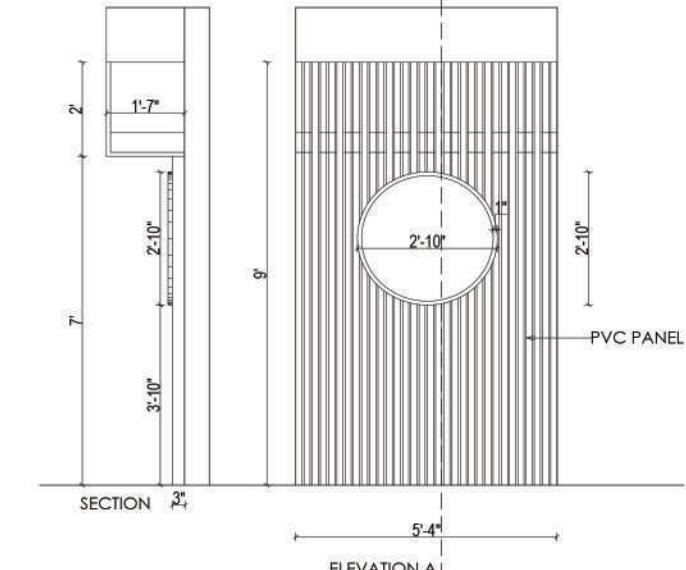
**MR. NAIR, KERALA
WORKING DRAWING**



CLIENT - MR. SUSHANTH SHETTY
LOCATION - BANGALORE
PROJECT TYPE - COMMERCIAL



**CLIENT - DR.PRATIK MULE
PROJECT - DENTAL
LOCATION - SOLAPUR**



01

MRS.SONIA & MR.MANU
@ FERNS RESIDENCY,
BANGALORE



LOCATION	- FERNS RESIDENCY,BANGALORE
SITE SIZE	- 68FT X 46FT
BUILT UP AREA	- 3370SQ.FT
PROJECT TYPE	- RESIDENTIAL
STATUS	- ONGOING

The bungalows gives purely chettinad feeling with exposed brick used to the structure. The circular window in elevations is the highlight of design. Semi covered porches, detailed parapet and compound walls, window seating are some of the key elements of design. Use of red terracotta tiles, ornate wooden pillars. Sloping tiled roof with carved wooden eaves. Chettinad Athangudi tiles in bold patterns and colors.

02

FREE LANCING WORK

CLIENT	- TATA STEEL ASHIYANA-MERKLE
SITE SIZE	- 30FT X 40FT
BUILT UP AREA	- 32537 SQ.FT
PROJECT TYPE	- RESIDENTIAL
STYLE	- CONTEMPORARY

The house gives the contemporary feel with the jalli cladding to enhance the facade. The circulation among the spaces in plan is well maintained. The house is well connected with nature with proper light and ventilation. Cladding elements like wood finish panels, natural stone, or exposed concrete.



03

FREE LANCING WORK



CLIENT	- TATA STEEL ASHIYANA-MERKLE
SITE SIZE	- 42FT X 54FT
BUILT UP AREA	- 2620 SQ.FT
PROJECT TYPE	- RESIDENTIAL
STYLE	- CONTEMPORARY

The Contemporary house design is characterized by clean lines, open spaces, and a seamless blend of indoor and outdoor living. Simple geometric shapes and clean lines. Neutral color palettes with bold accents. Large windows and glass doors to maximize natural light. A mix of natural and industrial materials such as wood, concrete, steel, and glass.

04

FREE LANCING WORK



CLIENT	- TATA STEEL ASHIYANA-MERKLE
SITE SIZE	- 29FT X 49FT
BUILT UP AREA	- 1472 SQ.FT
PROJECT TYPE	- RESIDENTIAL
STYLE	- KERALA

The keralan house adds on the traditional effect to the bungalow, the jaali pattern as an elevational elements. Each bedroom has attached toilet making it efficient. Family room adds on the creative gathering space. The open outdoor courtyard and verticle louvres adds beauty to the design.

05

FREE LANCING WORK



CLIENT - TATA STEEL ASHIYANA-MERKLE

SITE SIZE - 42FT X 54FT

BUILT UP AREA - 3221 SQ.FT

PROJECT TYPE - RESIDENTIAL

STYLE - MINIMAL

A minimal bungalow design embraces simplicity, functionality, and a clean aesthetic. A rectangular or square footprint for efficiency. Large glass windows and sliding doors to bring in natural light. Neutral color palettes (white, gray, beige, or earthy tones). Open floor plans that connect the living, dining, and kitchen areas. Minimal partitions to enhance spaciousness.

06

FREE LANCING WORK

CLIENT	- TATA STEEL ASHIYANA-MERKLE
SITE SIZE	- 30FT X 50FT
BUILT UP AREA	- 1650 SQ.FT
PROJECT TYPE	- RESIDENTIAL
STYLE	- MINIMAL

A Minimal Bungalow Design is defined by simplicity, elegance, and function, with an emphasis on clean lines. Form & Façade: A flat-roofed, single-story structure with a clean geometric form—often rectangular or L-shaped. Color Palette: Neutral tones like white, light gray, beige, or taupe with occasional use of wood or stone accents. Materials: Exposed concrete, wood panels, matte metal frames, and large glass sliding doors for natural light.



07

FREE LANCING WORK



CLIENT - TATA STEEL ASHIYANA-MERKLE

SITE SIZE - 30FT X 50FT

BUILT UP AREA - 1650 SQ.FT

PROJECT TYPE - RESIDENTIAL

STYLE - MODERN

A modern bungalow design blends minimalist aesthetics with functional layout often emphasizing open spaces, natural light, and a seamless connection between indoor and outdoor living. Large windows or sliding glass doors are common. Lean, horizontal lines give a sleek and contemporary appearance.

Maximizes daylight and enhances the connection to outdoor spaces. Clean, horizontal lines give a sleek and contemporary appearance. Overhanging eaves can offer shade and architectural interest.

08

FREE LANCING WORK



CLIENT	- TATA STEEL ASHIYANA-MERKLE
SITE SIZE	- 78FT X 56FT
BUILT UP AREA	- 3476 SQ.FT
PROJECT TYPE	- RESIDENTIAL
STYLE	- CONTEMPORARY

A contemporary bungalow design blends modern architectural aesthetics with the classic one-story bungalow. Contemporary bungalows prioritize simplicity, functionality, and seamless indoor-outdoor living. They typically feature an open-plan layout, clean lines, and a strong connection to nature. Flat or low-pitched roofs: Often with wide overhangs for shade and visual balance. Mixed materials: Combines wood, concrete, glass, stone, or metal for contrast and texture. Large windows and sliding glass doors: For natural light and openness. Front porches or decks: A nod to classic bungalows but with a modern twist.



MOTORSPORT TRACK COMPETITION , IIA NAVI MUMBAI

IDEAS



During the conversation suddenly water fell on the floor, one of us thought that water can take different shape.



PICTURE OF WATER SHAPE

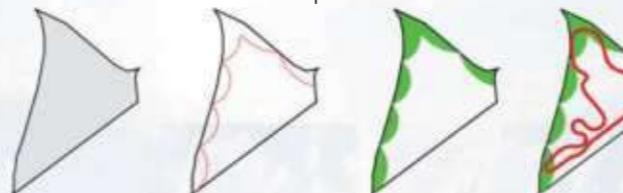


CONCEPTUAL SITE DEVELOPMENT

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we saw the site shape it looks like a bat wing, so we started site development in the form of

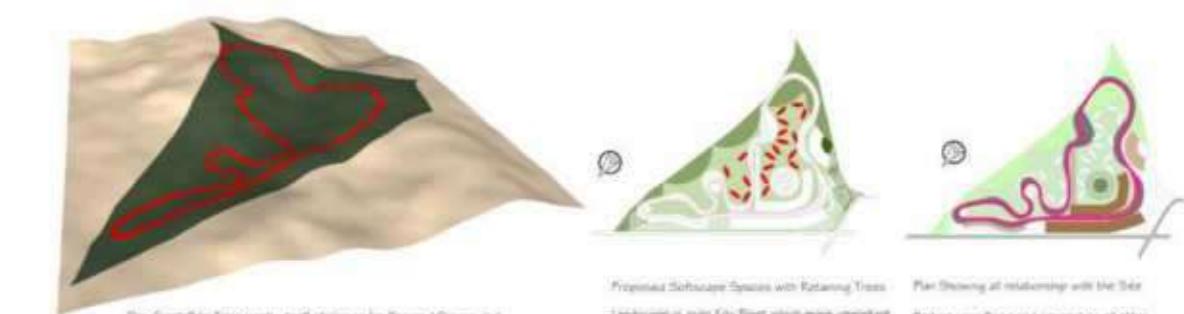


The race track site looks like bat feather shape.

The geometry of feather put on site.

By this geometric it gives organic spaces which used for landscape design.

Finally by putting the final race track.



This Great Site Topography itself challenges for Racers / Drivers. Just While designing on it we get lot more interesting complications. This track what proposed is partly using as per site topography, where necessary that cut / fill method we try to incorporate.

Proposed Softscape Spaces with Retaining Trees

Landscape is main Key Point which most important in Racetrack, Harbourside (Red Color) - this design not existing track we get on site i.e. Rock Garden which comprise terrace with softscape around.

Plan Drawing at relationship with the Site

Parking near Road and committee of other elements perform their function properly while Racetrack have Long Race of P1 & corner.



Proposed Racetrack # Softscape Spaces

According to the concave the stability or the mark of water is represented as Racetrack. Where every portion shows the Traps and slopes for the Track requirement is provided to fulfil the basic requirements of the programme.



Proposed Main / Building Spaces

To complete the requirements for the Racetrack, Administration playing important role. While proposing this Residential Space, a maximum number of building elements for Great Interaction points for External Viewers, # paddock and jet buildings are proposed below the Grand Stand.



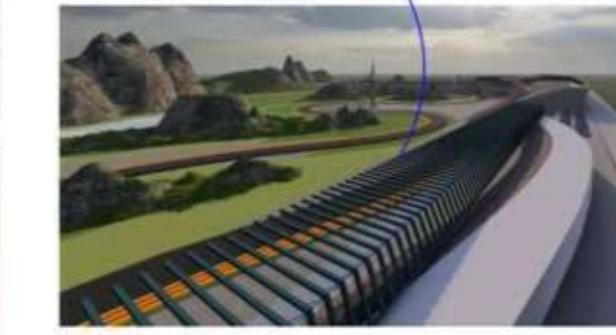
The Pattern of contours shows the site development, where dark green and green colour indicates the pitch of the cut and fill areas. Yellow and light colours show the slightly changes in level as it is.



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Roof Plan - Race Track



Legend:

1. Paddock space for 40 Vehicles
2. Grandstand and Hospitality, Grand Theatre and Viewing Platform
3. Greenhouse and Restrooms, Water tower off, Document centre, Paddock and Restaurant
4. Viewing Deck, Media Center, Media Room
5. Restaurants, Event Organizers Office
6. Paddock
7. Restaurants around Race Day
8. Display Museum
9. Paddock Wall
10. Race Operator
11. Lane
12. Broadcasting Platform
13. Roads and paths
14. Pk Area 2000
15. Pk Area 1000
16. Pk Area 500
17. Pk Surface

3



Ground Floor Plan - Race Track

CERTIFICATE COMPETITION



MISCELLANEOUS

REASSEMBLED WASTE

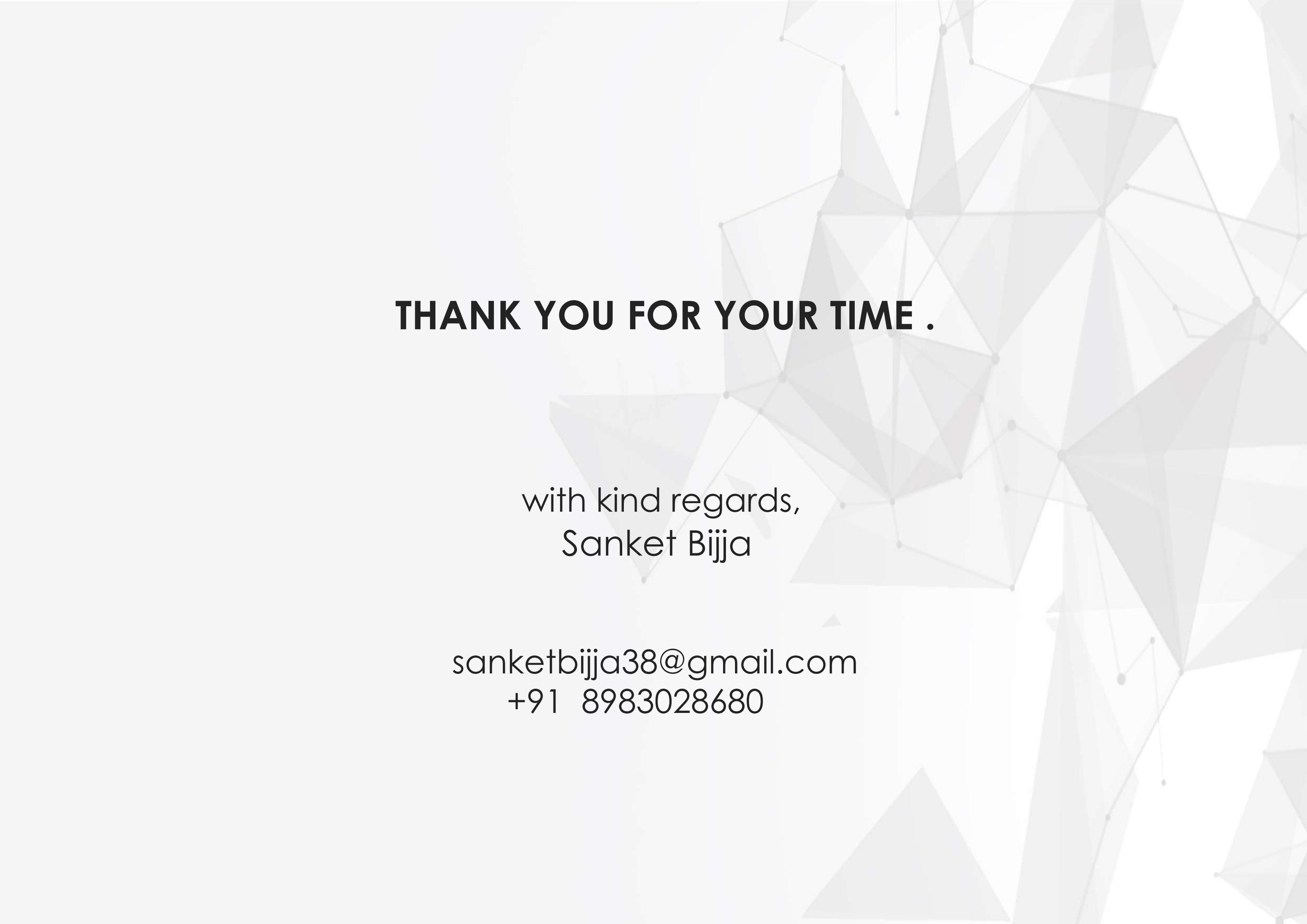


MODEL MAKING



PHOTOGRAPHY





THANK YOU FOR YOUR TIME .

with kind regards,
Sanket Bijja

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