2.3 - Teaching- Learning Process

2.3.2

Teachers use ICT enabled tools for effective teaching-learning process.

Anant Pawar College of Architecture Pune

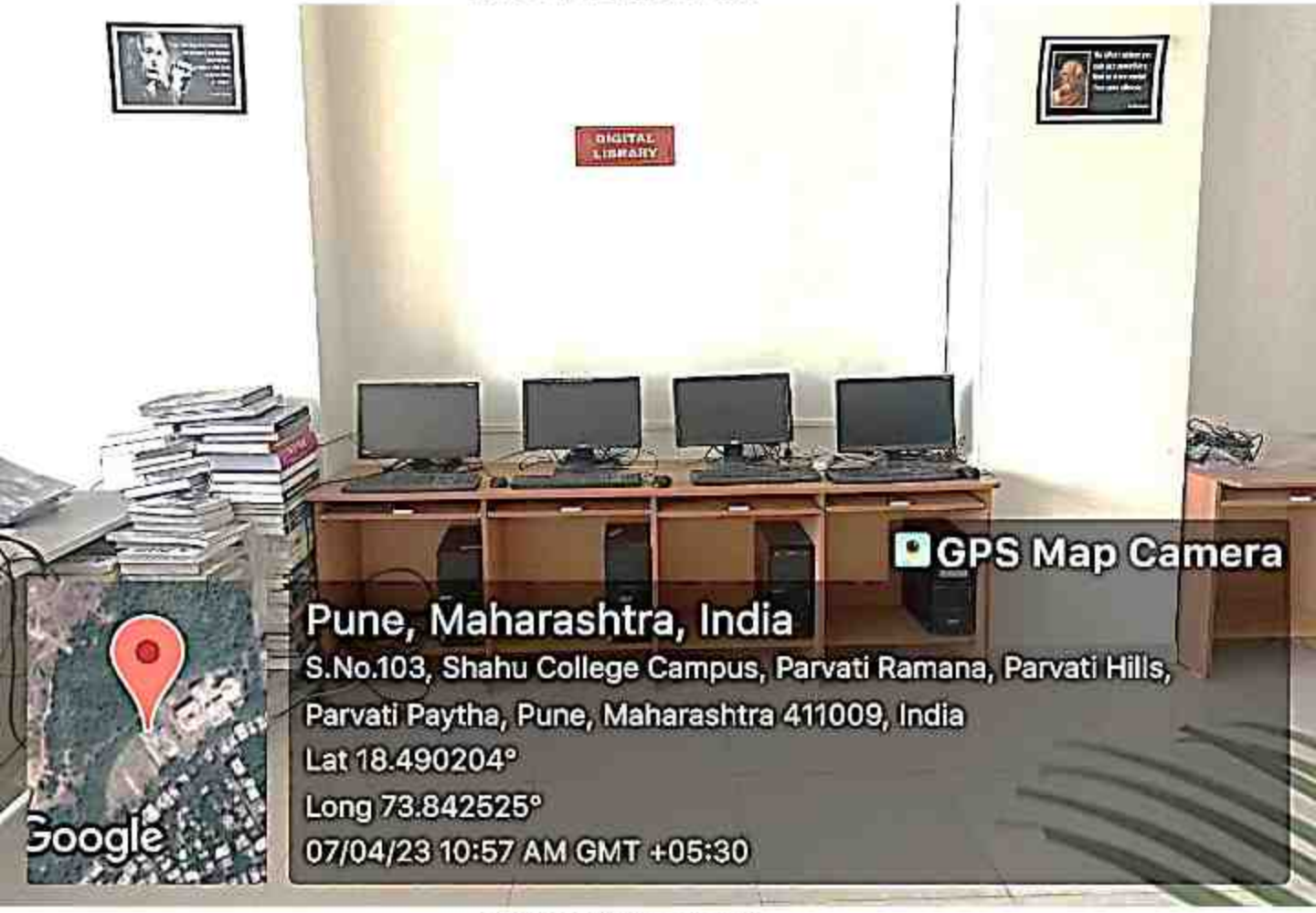
2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.				
ICT enabled tools facility in Institute.	**ICT Facility Photos**			
List of Activities	**Computer ,PPT, Smart TV, Projector, WebCam,**	**Camera ,Mobile**	**Printer, Scanner**	**Other,Softwares, Blog, Publicity**
✓ **GUEST LECTURES** ✓ Building Services MEP services and HVAC Duct layout. ✓ Third Year Guest Lecture: Building Services IV Auditorium Planning and Acoustical. ✓ **SOCIAL ACTIVITIES** ✓ World Environment Day ✓ Students Road Safety -Traffic Awareness Campaign. ✓ International Yoga Day. ✓ Interexchange programme MOU ✓ International Conference : SBPATIL COA Pune International Conference on Sustainable Development Goals (ICSDG) – 2023	**Yes**	**Yes**	**Yes**	**Yes**
✓ **STUDY VISIT / TOUR.** ✓ FIRST YEAR : TITAVE VILLAGE, RADHANAGARI, KOLHAPUR. ✓ THIRD YEAR : HIMACHAL PRADESH ✓ FOURTH YEAR : Ahmednagar Municipal corporation ✓ FOURTH YEAR : YASHWANTRAO CHAVAN SAHAKAR SABHAGRUH ✓ FOURTH YEAR : Damdi Masjid in Ahmednagar ✓ FOURTH YEAR : Monument Chand Bibi Maha ✓ FOURTH YEAR : Bungalow of Mr. Bhujadi at Rahuri, Ahmednagar ✓ FOURTH YEAR : SAIBAN AHEMADNAGAR ✓ FOURTH YEAR: BUNGLOW OF MR. YASHWANT AND FAMILY ✓ Study of Construction Material Site Visit at Anantrao Pawar College of Architecture, Pune. ✓ Guest Lecture: Design, Concept, and Construction of Swimming Pools. Brick Bat Waterproofing and Water tank Site Visit at Anantrao Pawar College of Architecture, Pune	**Yes**	**Yes**	**Yes**	**Yes**
✓ **ISSUE FINDING SURVEY , INVENTORIES RESEARCH PROJECTS /CASE DESIGN** ✓ Research Paper :YOUNGER DRYAS AND IT'S IMPACT ON CIVILIZATION: THE CASE FOR GÖBEKLI TEPE by Satyajit Dafle.(4th Year Student) ✓ Thesis Design Review-Final year – (2023-24) ✓ Third Year Guest Jury : Universal Design Approach. ✓ **AVISHKAR COMPETITION – 2023 Students Research Presentation**	**Yes**	**Yes**	**Yes**	**Yes**

Anantrao Pawar College of Architecture Pune

LECTURE ROOM 1

LECTURE ROOM 2

DIGITAL LIBRARY



COMPUTER LAB

STUDIO 1

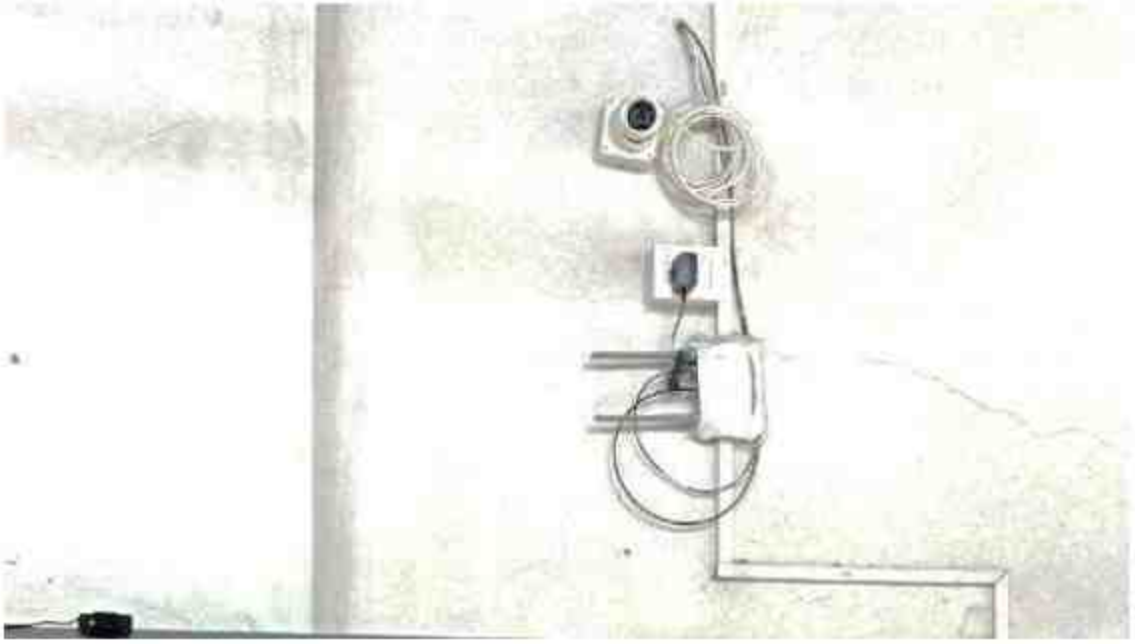
STUDIOS WITH FLEXIBLE PORTABLE PROJECTOR ARRANGEMENTS

STUDIO 3

STUDIO 4 WITH FLEXIBLE PORTABLE PROJECTOR ARRANGEMENTS

WI-FI FACILITY FOR STAFF AND STUDENTS AND STAFF

CLASS ROOM CCTV and wi-fi modem facility.



SCANNER

SCANNER WITH PRINTER

MOVABLE PROJECTOR

FIXED PROJECTOR

XEROX MACHINE

PRINTERS

Laptops , Desktop PC with PRINTER FACILITY

B. ARCH

Akhil Bharatiya Maratha Shikshan Parishad's
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE
S. No : 103, Shahu College Campus, Parvati, Pune – 411009.
Office No.: 020-24219901 | 24213501
Web. : www.apcoapune.org Email : abmspcoa@rediffmail.com
APCOA, Pune
Approved by Council of Architecture, New Delhi & Govt. of Maharashtra Affiliated to Savitribai Phule Pune University
University Identification No. PU/PN/Arch / 462 /2014, Council of architecture code - MH 71, DTE code- AR6837

Third Year Guest Lecture: Building Services

Date: 7TH October 2023

Venue: Smart Lecture Room

Topic: MEP services and HVAC Duct layout.

Cordinators : Prof. Shilpa and Prof. Rohan

Our Third year B. Arch. Students, with Faculties,Anantrao Pawar college of Architecture, Pune.

Aim of the guest lecture was to understand importance of MEP services and details of HVAC load calculations and ducting layout.

The subject expertise Mr. Er. Rohit Tadhal, Banglore, is experienced in MEP services and specialised in Air conditioning field, provided several practical onsite examples to students, to understand practical approach while installing the HVAC systems and ducts. He also provided valuable inputs on Architectural planning provisions needed while incorporating any kind of MEP services.

He also briefed with a sample load calculations for a sample enclosed space, and given the process accordingly to calculate the conditioned air volume and accordingly Duct carrying capacity with their design.

At the end of the presentation, all students and faculties had interaction along with question answer session. Lecture ended by thanking note by two of our students.

Learning outcome: Students and faculties were gain knowledge about the overall MEP services importance in building industry and Role of Architect, HVAC load calculations and Duct design for any particular space.

Guest expertise Er. Rohit Tadhal delivering lecture on

Akhil Bharatiya Maratha Shikshan Parishad's
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE
S. No : 103, Shahu College Campus, Parvati, Pune – 411009.
Office No.: 020-24219901 / 24213501
Web. : www.apcoapune.org Email : abmspcoa@rediffmail.com
APCOA, Pune
Approved by Council of Architecture, New Delhi & Govt. of Maharashtra. Affiliated to Savitribai Phule Pune University
University Identification No. PU/PN/Arch / 462 /2014. Council of architecture code - MH 71. DTE code- AR6837

Third Year Guest Lecture: Building Services IV

Date : 1st March 2024

Venue : Smart Room Classroom

Topic : Auditorium Planning and Acoustical planning

Third year B. Arch. Students, with Faculties Anantrao Pawar college of Architecture, Pune attended this lecture.

The Aim of the lecture was to understand important aspects of Auditorium Planning and acoustical considerations.

Er. Nikhil Pingle, pune being experienced in Acoustical and theatre consultation, handled 108 auditoriums & 42 indoor stadiums India and Bhutan. Received Rashtrapati Award for extensive contribution in Acoustical industry. He explained the principles of Acoustics and Auditorium planning shapes, seating level, stage sizes, music pit, and Audio-visual and lighting-ventilation aspects very well through his projects case studies.

Students had interacted and solved their queries by interaction with both Er. Nikhil Pingle and Ar. Kiran Kankuria (Design Professional, Mumbai). Lecture ended by thanking note by two of our students and Prof. Shilpa Ingawale (Subject teacher).

The outcome of this session is that, Students and faculties got aware about the basic understanding of planning principles of Auditorium planning and acoustical materials and their properties. Students are able to draw and explain the Technical construction details of auditorium along with services.

Guest expertise Er. Nikhil Pingle, pune, delivering lecture on Auditorium Planning and Acoustical planning

Akhil Bharatiya Maratha Shikshan Parishad's
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE
S. No : 103, Shahu College Campus, Parvati, Pune – 411009.
Office No.: 020-24219901 / 24213301
Web. : www.apcoapune.org Email : abmspcoa@rediffmail.com
APCOA, Pune
Approved by Council of Architecture, New Delhi & Govt. of Maharashtra Affiliated to Savitribai Phule Pune University
University Identification No. PU/PN/Arch / 462 /2014. Council of architecture code - MH 71. DTE code- AR6837

Third Year Guest Lecture: Universal Design Aproach

Date: 22nd August 2023

Venue: Lecture Hall, Bharati College Of Architecture

Topic: Universal Design Approach, under Design Project, School for all.

Our college third year B. Arch. Students, with Faculty of Anantrao Pawar college of Architecture, Pune.

Aim of this lecture was to understand basic importance of Universal design to apply this knowledge in Design Project i.e. Divyang School / School for All.

Third year students are given a campus design project "School for All-Divyang school for skill education based on aspects of Universal Design. Students and faculties got opportunity to interact with Dr. Kavita Murugkar who has extensive knowledge in this field. She had provided all the information regarding Government and NGOs on the Universal design. Explained the concept of '**Inclusive policy**' **also shared** important books and online PDF literature related to Universal Design for students and staff. Students discussed their data collection and case study to resolve their queries.

Guest expertise Dr. Kavita Murugkar discussing on data collection and case study done by students.

Students and faculties were received all relevant information about the overall social and technical aspects of Universal Design and their planning aspects in campus design of any project. All were given the information about various case studies and examples elaborated and through question answer session by Kavita madam.

B. ARCH

Akhil Bharatiya Maratha Shikshan Parishad's
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE
S. No : 103, Shahu College Campus, Parvati, Pune – 411009.
Office No.: 020-24219901 / 24213301
Web. : www.apcoapune.org Email : abmspcoa@rediffmail.com
APCOA, Pune
Approved by Council of Architecture, New Delhi & Govt. of Maharashtra Affiliated to Savitribai Phule Pune University
University Identification No. PU/PN/Arch / 462 /2014 Council of architecture code - MH 71, DTE code- AR6537

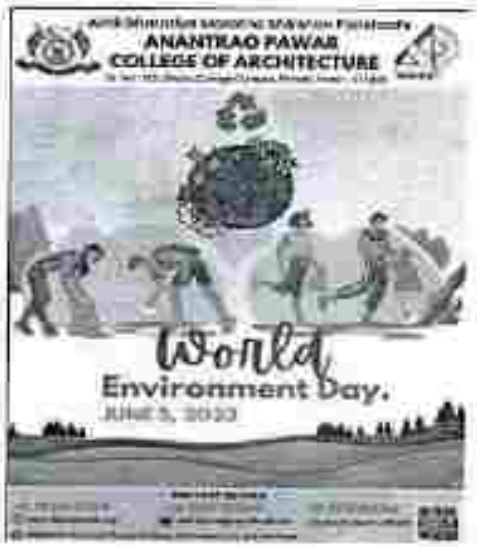
Guest expertise Dr. Kavita Murugkar discussing on data collection and case study done by students.

World Environment Day

NSS volunteers, ABMSP Campus

5th June 2023

bicycle rally by the APCOA Students



Poster of Wolrd Environment Day

Anantrao Pawar College of Architecture NSS volunteers organised a bicycle rally to create awareness about the environment. Second year architecture students prepared various posters on save environment.

Participated students and Faculty in the Wolrd Environment Day Rally

Student development officer professor Shilpa I organized bicycles for the. We have chosen the theme of bicycles to reduce pollution by using bicycles. Dr Archana and professor Shilpa successfully organised this rally under the guidance of principal Dr Rajendra Koli.

Akhil Bharatiya Maratha Shikshan Parishad's
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE
S. No ; 103, Shahu College Campus, Parvati, Pune – 411009.
Office No.: 020-24219901 | 24215301
Web. : www.apcoapune.org Email : abmspcoa@rediffmail.com
APCOA, Pune

Approved by Council of Architecture, New Delhi & Govt. of Maharashtra. Affiliated to Savitribai Phule Pune University
University Identification No. PU/PN/Arch / 462 /2014. Council of architecture code - MH 71, DTE code- AR6837

Students Road Safety -Traffic Awareness Campaign.

Date: 9Dec.2023
Venue: College Campus

Traffic Awareness and Students Discipline campaign conducted in Dattawadi Police Station, Lakshmi Nagar Pune 09 by Mr. Jayram Palgude, Senior Police Inspector for Akhil Bharatiya Maratha Shikshan Parishad Campus all Educational Institutes. He has explained all Rules and Regulations for Traffic Safety and Student discipline on Roads also advise to aware students about New Year Celebrations and use of mobile in Campus and outside the campus while driving. Our college's 1st year to final year Students and faculties with Principal and senior heads, class coordinators and staff were given safty instructions to be followed on road while driving or walking in combined classes meeting by Principal.

Aim of activity was to increase awareness among students regarding traffic hazards and their effects.

Students of all classes were invited in common meeting to address the issue of Traffic hazards and campus discipline after the instructions given by Police authorities to spread a word among all staff and students. Following instructions were given through college notice and circulated among all students and parents groups:

- To carry driving licence is must
- No triple seat is allowed on road or campus
- Earphone or talking on mobile strictly avoided while driving
- Use one way route without going opposite and discipline at traffic signal
- Inform any mishapp or misconduct seen on road to nearby police station immediately
- If any student found guilty and indiscipline stick action will be taken along with heavy penalties by police station near college
- Assurance to corporate for public safety and discipline in traffic rule is taken by all the student stop faculty

Learning outcome: Students got awareness among students regarding traffic hazards and their effects.

AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE
S. No. 103, Shahu College Campus, Parvati, Pune - 411 009
Office No. : 020-24219901 | 24213301
Web. : www.apcoapune.org Email : abmspcoa@rediffmail.com
Approved by Council of Architecture, New Delhi & Govt. of Maharashtra. Affiliated to Savitribai Phule Pune University
University Identification No. PU/PN/Arch / 462 /2014. Council of architecture code - MH 71. DTE code- AR6837

Ref.No. APCOA/3439/2023-24

Date: 29/12/23

To,
Hon Police Inspector,
Dattwadi police station
Pune-09.

Subject: Regarding Traffic and Campus Discipline Awareness for Public.(Notice)

Respected Sir,

For the Safety of Students and Public, following instructions have been given by notice to the Students in Meeting Conducted on Thursday 7th December and Saturday 9th December, instructions given to all students and staff, for traffic safety and Guidelines received from Dattawadi Police Station, Pune.

1. Carrying Driving License is must.
2. No Triple Seat allowed.
3. Earphone and Gossiping while Driving the Vehicle not allowed.
4. Ensure One Way Route and Discipline at Traffic Signal.
5. Inform any Mishap/Misconduct on road to police station.

If any student Found guilty and in disciplined, then strict action will be taken with, heavy penalties by police station against that student.

All please cooperate for public safety and discipline in traffic rules.

Wish you all Happy New Year 2024

From,

Management, Principal and Teaching and Non-Teaching staff.

Principal
Anantrao Pawar College of
Architecture, Parvati, Pune-9

International Yoga Day

Date : 21st June 2023

Participants : ABMSP Campus college students and faculties.

Introduction and Aim : As all know Yoga is a physical, mental and spiritual practice which originated in India. The International Day of Yoga has been celebrated annually on 21st June each year. We all staff and students and Heads pf institutes, came together to celebrate yoga activity in Our campus.

We all have performed Yoga activity for 2 hour, under Yoga Expertises.

Fist half hour we performed stretching exercises., after that surya nmaskar were done. At end of session we all given the basic of meditation.

All participants felt fresh and happy and committed to to do yoga in daily practice.

Thus Yoga Day successfully completed under the guidance Art of Living with the contribution of Principal Dr. Rajendra Koli and Dr. Archana Ladkat.

Staff and students and Heads pf institutes Participated Faculty and Students in Yoga Day

International Conference

on

Architecture / Planning- Education, Research and Profession Past, Present and Future

17th and 18th July 2023.

International conference on **Architecture / Planning - Education, Research and Profession** was held at S.B. Patil College of Architecture, Pune. First day the session started with the inauguration and felicitation of the guest and principal of all colleges. Dr.Ujwala Chakradeo (Hon. Vice chancellor, SNDT, Mumbai) Prof.Ar. Abhay Purohit (COA President) Dr. Smita Khan (Architect and Academician, Nagpur) Dr. Vasudha Gokhale (Ph.D. R&D head BNCA) Prof. Jayashree Deshpande (Director COA TRC, Pune) were the guest of honor at the conference.

The session started with brief introduction about the conference explaining the aims and objectives of the conference and proceeded with the guest speech on the views of Architecture planning and research. After the speech of each guest the session paused with lunch break and later part the session continued with paper presentation of the students on various themes. Each paper presentation was then reviewed by chairperson and commented by Prof Jayashree mam and concluded the session with ending note. Dr Rajendra Koli sir presented college magazine to each guest as token of gratitude.

The second day session was carried forward with the remaining paper presentation and concluded with the validatory function with felicitation of chief guest Rajendra B. Koli, Principal, Anantrao Pawar College of Architecture, Parvati Pune. After, the question answer session all the faculty members from all colleges interacted with Guest and discussed on the academic and professional research projects.

Group picture with Hon. Guest and staff of APCOA and S.B. Patil COA, Pune.

Interaction on Academic and Professional issues with CoA President, Prof.Ar. Abhay Purohit and Dr. Smita Khan and other dignitaries. Presentation of International Conference on Introspection of Sustainable Development Goals on 1st and 2nd December at Pune for eminent Architects and Research Scholars.

Hence overall this session was more informative and experiential learning session for architects and academician pursuing Doctoral degree.

International Conference on Sustainable Development Goals (ICSDG) – 2023

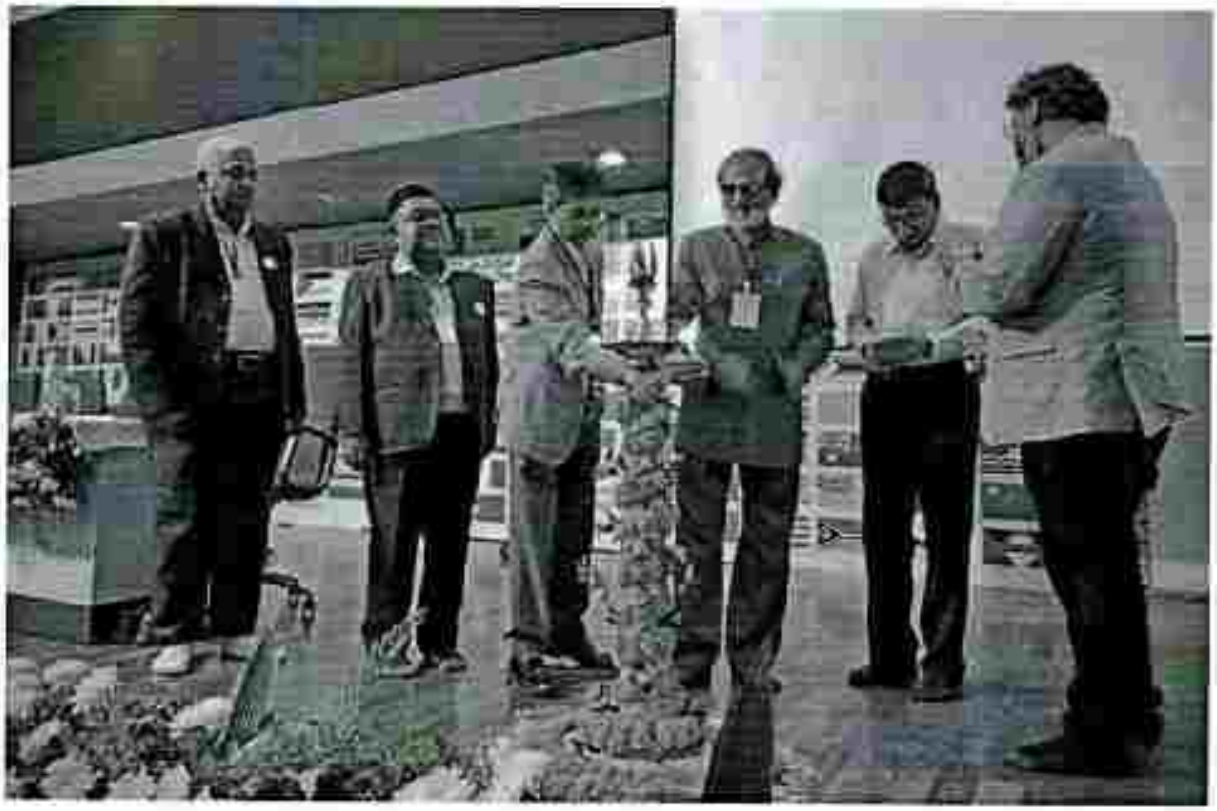
Date :- 1st and 2nd December, 2023. Venue: - Yashada, Pune.

The Third multidisciplinary **international conference - 2023** on sustainable development goals was scheduled on 1st and 2nd of December 2023 at Yashada, Pune. The aim of the conference was to restore and rethink on the conservational aspects and sustainable aspects of the nature through various themes. As an academic partner we at Anatrao Pawar College of architecture staff and students participated in the conference and presented papers on various sustainable goals. Dr. Alumas and Dr. Archana co ordinated the research work of staff and students and looked after the smooth coordination of the research activity.

Ar Ravindra Simaik along with various eminent guests like Ar. Prashant Deshmukh, Ar. Mohan Nikam, Dr. Mallinath Kalshetty, Dr. Shende and various other NGO'S graced the occasion. Various sustainable developments goals were explained by the delegates and accordingly researchers presented their research work in front of the experts. Total 5 staff and 4 students from Anantrao Pawar College of architecture presented their work according to the theme and participated in the overall question and answer session.

Group picture with the delegates and staff of Anantrao Pawar college of Architecture at conference.

The guest speakers elaborated on various current sustainable projects carried out for the benefit of the society. Also, Ar. Sana Dharani Team leader of Aga Khan foundation explained the importance of the sustainable projects carried out by the foundation and presented their work.



Delegates and Principal Dr. Rajendra Koli, APCOA inaugurating the session with lighting the lamp and graced the occasion.

Prof. Vaibhav and Prof. Raj presenting papers on sustainable development theme.

Outcome:- The session enhanced and evoked the importance of sustainable aspects and showered light on how to conserve and protect the nature earth for its sustainability and future development of the city. The event was successfully conducted and coordinated by the research team under the guidance of principal Dr. Rajendra Koli.


United Nations
Academic Impact
WORLD
ENVIRONMENTAL
FORUM
G20
INTERNATIONAL
CONFERENCE ON
INTROSPECTION
OF
SUSTAINABLE
DEVELOPMENT
GOALS
3RD MULTIDISCIPLINARY ICISDG 2023
ACADEMIC PARTNER
Anantrao Pawar College of Architecture,
Parvati, Pune -09
DAY & DATE
Friday 1st and Saturday 2nd
December 2023
TIME
9:00 AM TO 6:00 PM
VENUE
Yashada, Pune
Dr. Alamas Mirshikari.
Dr. Archana Ladkat.
RESEARCH COORDINATORS
Dr. Rajendra B. Koli.
Principal, Anantrao Pawar College of
Architecture, Parvati, Pune.
ORGANISING COMMITTEE
MEMBER
www.apcoapune.org
apcoa.pune_official
ABMSP's Anantrao Pawar College of Architecture, Parvati, Pune

Study of Construction Material Site Visit at Anantrao Pawar College of Architecture, Pune

(ACADEMIC YEAR 2023-24)

Date: 26.08.2023

Introduction:

The purpose of this report is to provide an in-depth assessment of the construction materials used in the project at Anantrao Pawar College of Architecture in Pune. The site visit focused on evaluating the quality, quantity, and storage of construction materials.

I. Material Assessment

1. Material Inventory:

A comprehensive inventory of construction materials was conducted, including:

-Types of materials on-site

-Quantities available

-Storage conditions

2. Material Quality:

-The quality of materials, including their compliance with project specifications, was assessed.

-Special attention was paid to the condition of materials and any signs of damage or deterioration.

3. Storage Conditions:

-Evaluate the conditions in which construction materials are stored, including protection from weather, moisture, and theft.

4. Safety Measures:

-Ensure that safety measures are in place to prevent accidents related to material storage.

Outcome:

The construction material site visit at Anantrao Pawar College of Architecture in Pune provided a comprehensive assessment of the quality, quantity, and storage conditions of construction materials. Students were able to understand different matrelals like structural steel, I-Section, C-Section, loading unloading of materials.

Students at site

Report on Guest Lecture: Design, Concept, and Construction of Swimming Pools

(ACADEMIC YEAR 2023-24)

Date: 04.09.2023

Guest Speaker: Mr. Vishwanath Kurup, Senior Consultant

The guest lecture on the **"Design, Concept, and Construction of Swimming Pools"** held on 04.09.2023 at Anantrao Pawar College of Architecture, Pune proved to be an enlightening and engaging experience for all attendees. The lecture featured Mr. Vishwanath Kurup, an esteemed expert in the field, who shared valuable insights and knowledge on various aspects of swimming pool design, concept development, and construction techniques.

Key Points Covered:

During the lecture, Mr. Vishwanath Kurup addressed a wide range of topics related to swimming pool design and construction. The following are some of the key points that were covered:

1. Principles of Pool Design: Mr. Vishwanath Kurup began by explaining the fundamental principles of designing a swimming pool, emphasizing factors like size, shape, depth, and location.

2. Conceptualization: The lecture delved into the importance of conceptualization in the design phase, highlighting the need to align the pool's design with the client's vision and requirements.

3. Material Selection: Mr. Vishwanath Kurup provided valuable insights into the selection of materials for pool construction, including the pros and cons of various options such as concrete, fibre glass, and vinyl.

4. Construction Techniques: Attendees learned about the construction processes involved in building a swimming pool, from excavation and foundation work to plumbing and electrical systems.

5. Aesthetic Considerations: The lecture stressed the significance of aesthetics in pool design, discussing landscaping, lighting, and water features that can enhance the overall ambiance.

6. Safety Measures: Mr. Vishwanath Kurup underscored the importance of safety measures and regulations in pool construction, ensuring the well-being of users.

7. Maintenance and Sustainability: The lecture concluded with a discussion on pool maintenance and sustainability practices, including water conservation and energy-efficient technologies.

Following the presentation, an interactive Q&A session allowed attendees to seek clarification and

delve deeper into specific topics. This session facilitated a dynamic exchange of ideas and insights between Mr. Vishwanath Kurup and the audience. In conclusion, the guest lecture on the "Design, Concept, and Construction of Swimming Pools" was a resounding success. Mr. Vishwanath Kurup delivered a comprehensive and informative presentation, leaving attendees with a deeper understanding of the intricacies involved in designing and constructing swimming pools. The knowledge shared during this lecture is invaluable for Faculties and students interested in this field.We extend our heartfelt gratitude to Mr. Vishwanath Kurup for generously sharing their expertise and making this lecture a memorable and educational event.

Mr. Vishwanath Kurup while delivering the Lecture

Question Answer Session

Faculty Discussion with Mr. Vishwanath Kurup Sir

Vote of Thanks Giving to Mr. Vishwanath Sir

We would like to express our appreciation to all attendees for their active participation and enthusiasm during the lecture. Special thanks to our guest speaker, Mr. Vishwanath Kurup, for their exceptional presentation.

Brick Bat Waterproofing and Water tank Site Visit at Anantrao Pawar College of Architecture, Pune

Date: 02.11.2023

The purpose of the site visit was to assess the ongoing brick bat waterproofing process at the designated site.

1. Work Progress:
   - Upon arrival, observed the progress of brick bat waterproofing on the specified area/floor/section.
2. Quality of Work:
   - Students inspected the quality of brick bat waterproofing application.
   - Evaluated the thickness, consistency, and proper compaction of the brick bat layer.
3. Materials Used:
   - Verified the materials used for the waterproofing process (e.g., bricks, cement mortar, admixtures).
   - Ensured adherence to the specified standards and materials' compatibility.

2. Water tank

Purpose of Visit: The site visit was conducted to assess and monitor the progress of the water tank construction work at the designated site.

Key Observations:

1. Technical Specifications:
   - Students reviewed the construction plans, drawings, and specifications to ensure alignment with the actual construction work.
   - Verified that the dimensions, materials, and methods used match the approved plans.
2. Fire Safety Standards:

Students reviewed various fire safety standards and observed various provisions for fire safety.

Prof. Raj and Prof. Pratik Explaining waterproofing process to student

Prof.Toufik and Prof. Vaibhav Explaining watertank Construction

Akhil Bharatiya Maratha Shikshan Parishad's
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE
S. No : 103, Shahu College Campus, Parvati, Pune – 411009.
Office No.: 020-24219901 / 24213301
Web. : www.apcoapune.org Email : abmspcoa@rediffmail.com
APCOA, Pune
Approved by Council of Architecture, New Delhi & Govt. of Maharashtra. Affiliated to Savitribai Phule Pune University
University Identification No. PU/PN/Arch / 462 /2014. Council of architecture code - MH 71. DTE code- AR6837

AVISHKAR COMPETITION – 2023.

DATE : 23- OCTOBER 2023.

VENUE:- AISSMS, Pune.

Fourth year students explaining research work in front of expert.

Avishkar competition 2023 was organized by AISSMS on 27 October 2023.The competition goal is to encourage young researchers to contribute to society through their studies. Two students of our college (APCOA) Vaishnavi mahamuni and Diksha Joshi had participated in that competition. They have represented the research paper on topic "Rejuvenation of mutha nadi bank canal, Pune; aiming to rejuvenate the existing canal for environmental restoration. In that research paper they have raise issues of mutha canal of patch near Janata Vasahat area of Pune and also they came up with some effective solution for those issues. With their representation, the research paper got selected for international conference. The competition aimed to foster encourage innovation, and provide a platform for participants to learn and grow. And also, our students really enjoyed the competition as they found the competition as opportunity to grow further.

YOUNGER DRYAS AND IT'S IMPACT ON CIVILIZATION: THE CASE FOR GÖBEKLI TEPE

Author

Satyajeet Dafle
Anantrao Pawar College of Architecture, Pune
satyajeetdafle@gmail.com

Guide

Ar. Tejal Hundekar

Aim

To study the significance of Younger Dryas and it's impact on development of human civilization.

Objective

- To study Younger Dryas and its impact on civilization specifically focusing on Gobekli Tepe.
- To understand its influence on development of civilization.
- To study the building typology and understanding techniques of primitive nomads.

Scope & Limitations

- To understand the beginning and the rise of the human civilization and to study factors which determined it.
- To know about the primitive style of the construction by studying architectural features of Göbekli Tepe.
- The study is limited to only first four enclosures, enclosure A,B,C & D

Research question

How Younger Dryas impacted on rise of the civilization in Gobekli Tepe and the evolution of architectural devlopment in Gobekli Tepe ?

Methods

Literature review
Data collection

Methodology

Data collection it's interpretation and analysis

YOUNGER DRYAS AND IT'S IMPACT ON CIVILIZATION: THE CASE FOR GÖBEKLI TEPE

Author

Satyajeet Dafle
Anantrao Pawar College of Architecture, Pune
satyajeetdafle@gmail.com

Guide

Ar. Tejal Hundekar
Assistant Professor, Anantrao Pawar College of Architecture,Pune

Abstract

The Younger Dryas was a period of abrupt climate change that occurred approximately 12900 years ago and lasted for about 1200 years [1]. It had a significant impact on human societies, leading to change in strategies, settlement pattern, and social organization, Gobekli Tepe an archeological site in south-eastern Turkey is an example of the cultural and technological innovations that emerged during this period. This paper will explore the relation between Younger Dryas and the rise of civilization, using Gobekli Tepe as an case study. It discusses the environmental impact of Younger Dryas, the significance of Gobekli Tepe, and the evidence of the adaption to the new environment. Furthermore it will also explore the building technique, Typology and settlement pattern which evolved during this period. The paper will be emphasizing on the importance of understanding the role of Younger Dryas and Gobekli Tepe in shaping human history. The Younger Dryas also had an significant impact on the development of civilization. Many early human settlements were located in areas that became too cold or dry during the Younger Dryas. This forced people to move to new areas, and it may have led to the development of new technologies and cultural practices.

The study of the Younger Dryas and its impact on human societies through the lens of Gobekli Tepe provides valuable insights into the development of civilization and the ways in which humans adapt to changing environments. It highlights the importance of considering environmental factors in understanding human history, and underscores the ingenuity and resilience of early human societies in the face of abrupt climate change.

Key words

Younger Dryas, Göbekli Tepe, Civilization, Devlopment

Introduction

The Younger Dryas was the period of abrupt climate change that occurred approximately 12900 years ago, marking the end of last ice age. This period was named after the Dryas Octopetala, a cold-loving flower that thrived during this period. It is taught to have been caused by a combination of events. A comet impact or volcanic eruption in North American ice region which released a large amounts of freshwater into the ocean disrupting ocean circulation and causing climate to cool. Volcanic eruption which released green house gasses into the atmosphere also contributed to the cooling. This also disrupted the AMOC (Atlantic Meridional Overturning Circulation) patterns this acted as the catalyst and enhanced the speed of climatic change.

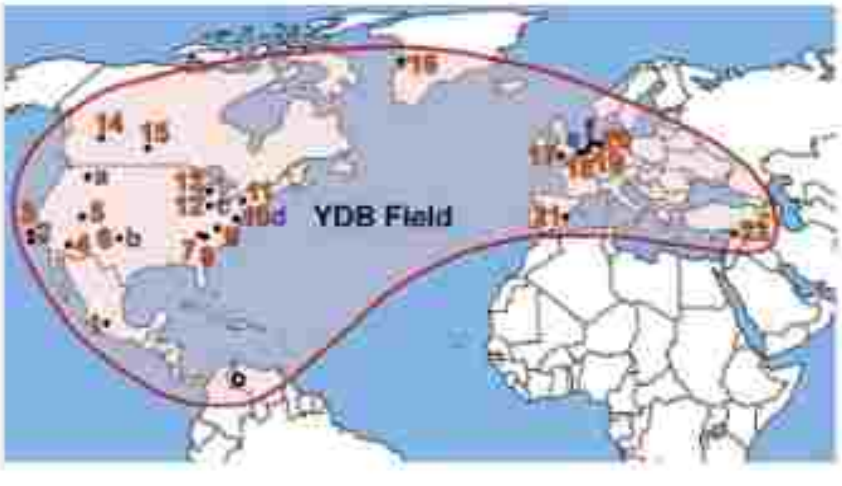
In North America the climate become colder and drier, which led to the extinction of many large mammals, including mammoths, mastosons and giant ground sloths. In Europe the climate became more variable, with alternating periods of cold and warm weather. This made difficult for people to survive.

The sudden climate change resulted in the extinction of many species that had been hunted by humans for food and other resources and also caused a decline in plant productivity. This forced humans to move from hunter gathers to nomadic lifestyle, which ultimately led to development of agriculture and settlement of communities.

Gobekli Tepe is an ancient archeological site located in southeastern Turkey that was constructed during the Younger Dryas period. It is believed to be one of the oldest known example of monumental architecture predatory Stonehenge by thousands of years.

Gobekli Tepe was built by hunter gatherers who were forced to settled one place due to the harsh conditions of Younger Dryas the site consist of several circular stone enclosures, each containing a central pillar decorated with intricate carvings of animals and other symbols.

The construction of such a monumental site required significant social organization and co-operation which may have paned the way for the development of agriculture and settlement of communities. The discovery of Globekli Tepe challenges the traditional view that agriculture was the driving force behind the development of civilization, instead it suggest that the harsh conditions of the Younger Dryas may have played a significant role in emergence in settlement of communities and the development of early civilisation.



(figure 1) Map showing younger dryas impact field

(figure 2) Map showing the location of Göbekli Tepe in the context of Central Anatolia

Overall the case of Gobekli Tepe provides important insights into the ways in which humans adapted to the changing environmental conditions and the role that climate change can play in shaping the course of human history. In addition to its impact on subsistence pattern the Younger Dryas may have also contributes to social, cultural and architectural changes. It is also been suggested that the shift to move mobile way of life during the Younger Dryas contributed to the development of new social and cultural practices, such as the creation of art and development of symbolic language.Overall the YoungerDryas event represents a significant event in human history, with farreacting effect of subsistence settlement patterns and cultural development. Understanding the impact of of this period on human civilization as well as the broader environmental context is an important area of research for scholars interested in the history of human societies.

Aim

To study the significance of Younger Dryas and it's impact on development of human civilization.

Objective

- To study Younger Dryas and its impact on civilization specifically focusing on Gobekli Tepe.
- To understand its influence on development of civilization.
- To study the building typology and understanding techniques of primitive nomads.

Scope & Limitations

- To understand the beginning and the rise of the human civilization and to study factors which determined it.
- To know about the primitive style of the construction by studying architectural features of Göbekli Tepe.
- The study is limited to only first four enclosures, enclosure A,B,C & D

Literature Review

Göbekli Tepe is an archaeological site in southeastern Turkey that is considered to be the world's first temple. It was built by hunter-gatherers around 10,000 BC, long before the development of agriculture and animal domestication. The site consists of a series of circular structures made of megaliths, or large stones. The structures are decorated with elaborate carvings of animals, including snakes, bulls, and foxes.

Klaus Schmidt was the lead archaeologist at Göbekli Tepe for over 20 years. His book on the site is a comprehensive overview of the research that has been done there. The book discusses the history of the site, its architecture, its decoration, and its significance. Schmidt also explores the implications of Göbekli Tepe for our understanding of the origins of religion and civilization.

Göbekli Tepe is a unique and unprecedented site. There is no other known structure that is as old or as elaborate.The construction of Göbekli Tepe required a high degree of planning and coordination. This suggests that the people who built it had a complex social organization.

The decoration of Göbekli Tepe is dominated by images of animals. This suggests that the people who built it had a strong connection to the natural world.

Gobekli Tepe was abandoned around 8,000 BC. The reasons for this are unclear, but it may have been related to the development of agriculture and animal domestication.

Schmidt's book is a comprehensive and well-researched overview of Göbekli Tepe. He provides a wealth of information on the site's history, architecture, decoration, and significance.Schmidt is a respected archaeologist with a deep understanding of Göbekli Tepe. His insights into the site are valuable and insightful.

The book is well-written and engaging. Schmidt's writing is clear and concise, and he does a good job of explaining complex concepts.

Klaus Schmidt's book Gobekli Tepe: The World's First Temple is a valuable resource for anyone interested in this fascinating site. The book is comprehensive, well-researched, and well-written.

In this article, Scott et al. provide a critical review of the Younger Dryas impact hypothesis, which proposes that a comet or asteroid impact was responsible for the abrupt cooling that occurred during the Younger Dryas period. They argue that there is no compelling evidence to support this hypothesis and that alternative explanations, such as changes in ocean circulation and atmospheric circulation patterns, are more likely to have caused the cooling.

The authors begin by reviewing the evidence for the Younger Dryas impact hypothesis, including the discovery of a layer of sediment that contains high levels of platinum, which is often associated with extraterrestrial objects. However, they note that the presence of platinum does not necessarily indicate an impact event, and that other explanations, such as volcanic activity or atmospheric deposition, are also possible.The authors then review the evidence for other potential causes of the Younger Dryas cooling, including changes in ocean circulation and atmospheric circulation patterns. They argue that these explanations are more consistent with the available evidence, including the patterns of temperature change and the distribution of plant and animal species during the period.

In the paper "Conservation Proposals for Göbekli Tepe Enclosures", Keziban Celik provides a comprehensive overview of the conservation challenges facing the enclosures at Göbekli Tepe begins by providing an overview of the site, its history, and its unique features. She then discusses the threats facing the enclosures, including earthquakes, weathering, pests, and diseases. She then reviews the various conservation proposals that have been put forward, and discusses the challenges of conserving such a complex and delicate site.Author argues that the best approach to conserving the enclosures is likely to be a combination of the various proposals that have been put forward. She suggests that the structures should be stabilized using a variety of methods, such as underpinning, drainage, and waterproofing. She also suggests that the environment around the enclosures should be controlled, by planting trees and shrubs to provide shade and windbreaks, and by controlling the humidity and temperature. Finally, she suggests that the site's visitors should be managed, by limiting the number of visitors and by providing educational materials to help visitors understand the importance of the site.

This paper is a valuable contribution to the growing body of research on the conservation of Göbekli Tepe. The paper provides a comprehensive overview of the challenges facing the site and the various conservation proposals that have been put forward. The paper is well-written and well-argued, and it makes a significant contribution to the field of conservation archaeology.

The paper is well-organized and easy to follow.It is clear and concise, and she does a good job of explaining the complex concepts involved in the conservation of Gobekli Tepe. The paper is also well-referenced, providing the reader with a starting point for further research.

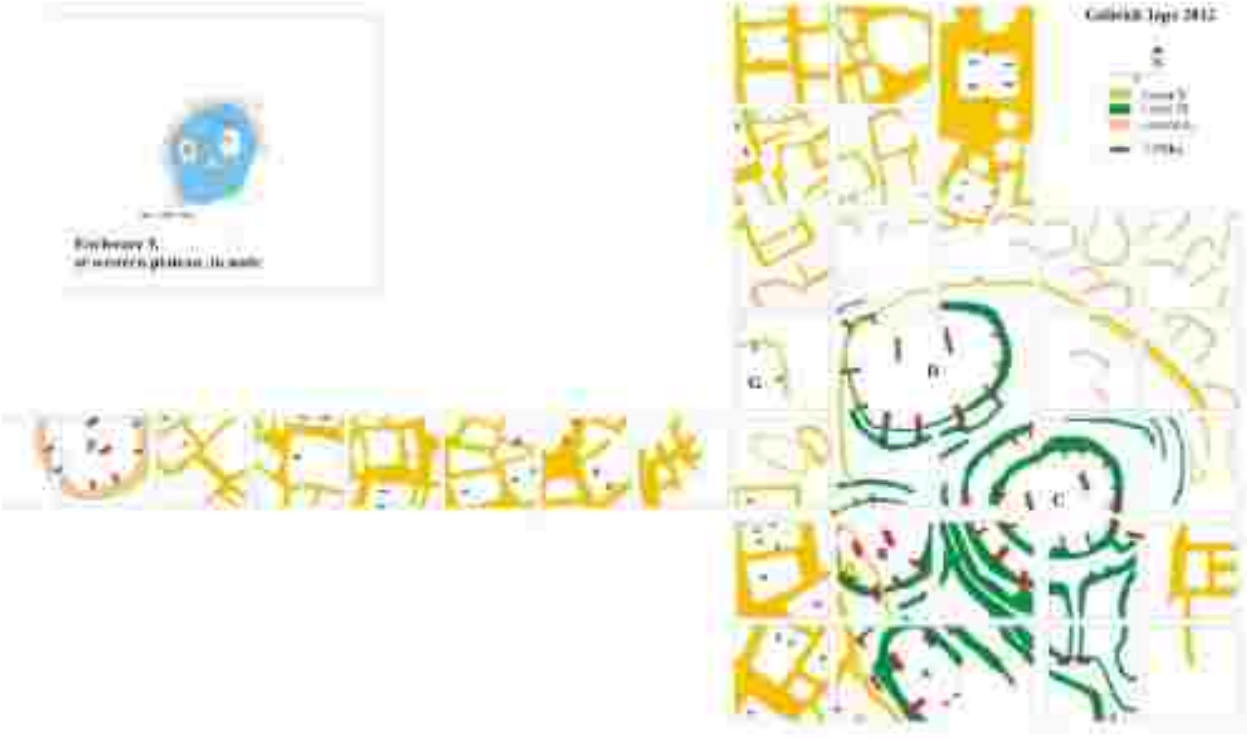
Overall,this paper is an excellent contribution to the field of conservation archaeology. The paper provides a comprehensive overview of the challenges facing the conservation of Göbekli Tepe, and it makes a significant contribution to the development of conservation strategies for this important archaeological site.

In addition to the points mentioned, there are a few other factors that need to be considered in the conservation of Göbekli Tepe. One is the site's remote location. This makes it difficult and expensive to transport materials and personnel to the site. Another factor is the political situation in the region. Turkey has been experiencing a period of political instability in recent years, which has made it difficult to secure funding for the conservation of Göbekli Tepe.

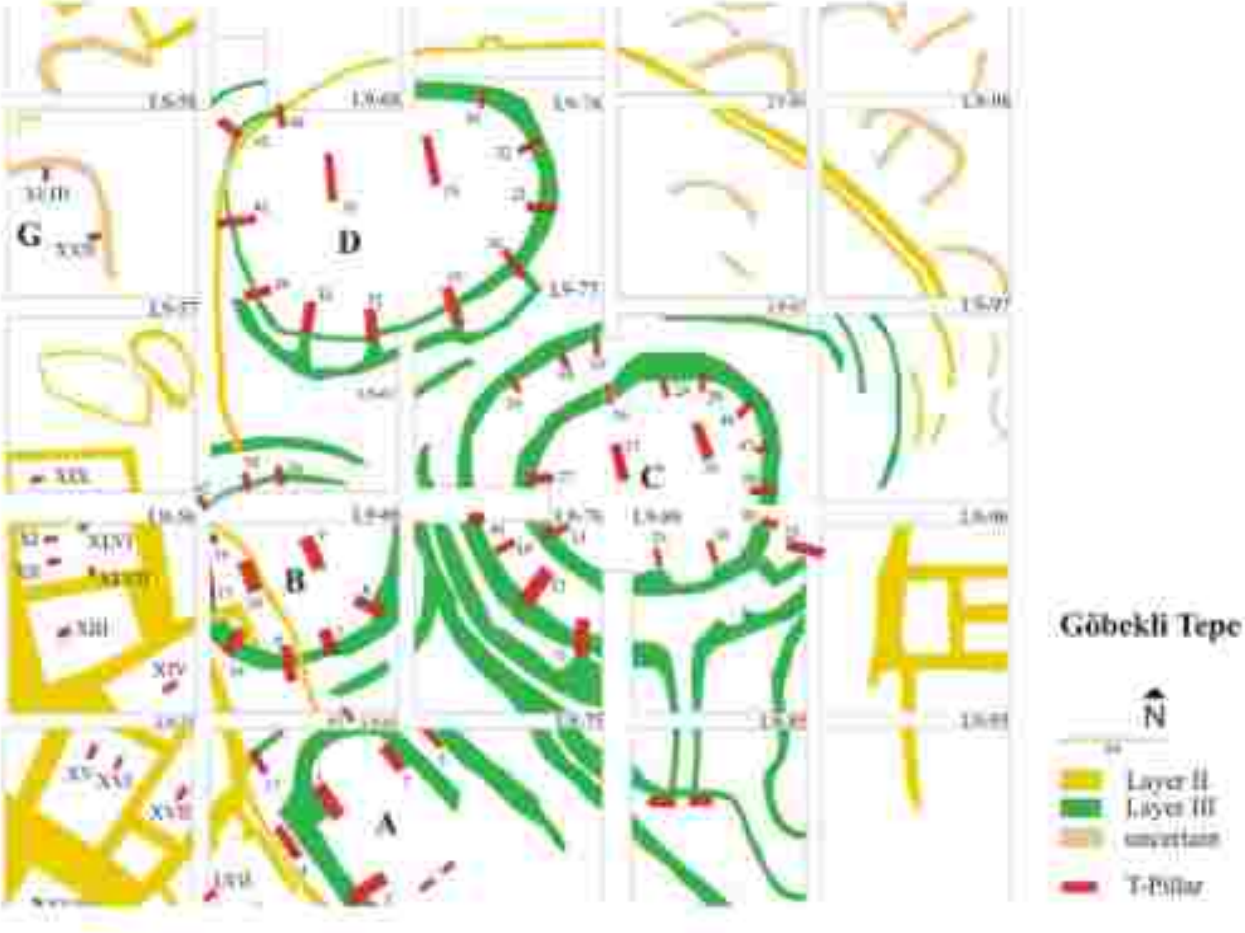
Methodology

This research paper utilizes a mixed method approach that involves a literature review (books/ articles), data collection, data analysis and its interpretation. The literature review involved searching for relevant books, academic articles and other sources on Younger Dryas and its impact mainly focusing on Göbekli Tepe.

The data collection involved gathering information from archelogical reports, excavation records and other sources to gain more detailed understanding of the site and its historical context.The data analysis involved categorizing the data into themes and comparing them with existing theories and models to develop new insights and architectural perspective on the subject.



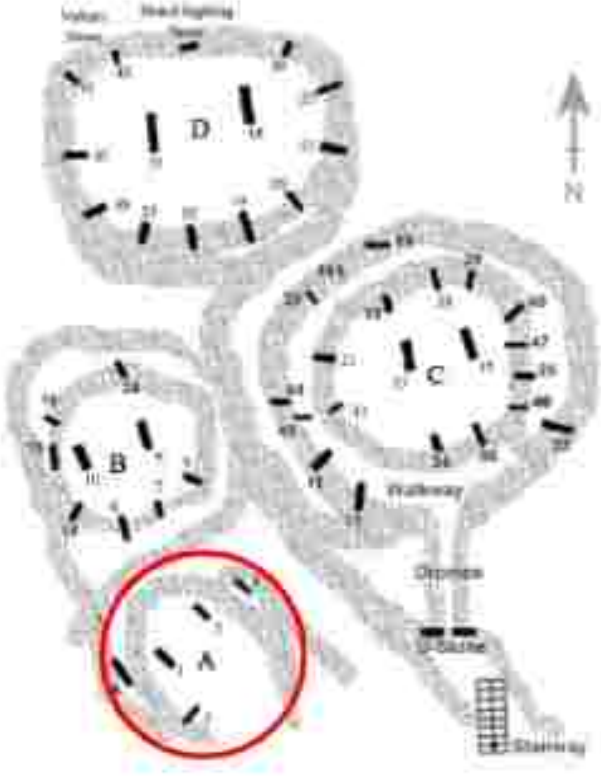
(figure 3) Detailed map showing the location of principle components in the main excavation area (Southeast Hollow) illustrating different chronological layers



(figure 4) Detailed map depicting the area of study for this paper

ENCLOSURE A :

Enclosure with snake motive (A) is oval planned.Enclosure A is one of the latest enclosure built in 8,500 BC nearly 10,000 years ago.This enclosure has an area of 66 sq meters and its width is 5.5 m and its length is 8.5 m. Enclosure is oriented towards northwest to southeast direction. There is no defined entry. The enclosure is accessed from southeast direction. Current components of the enclosure are wall, pillars and floor.



(figure 5) map depicting enclosure A

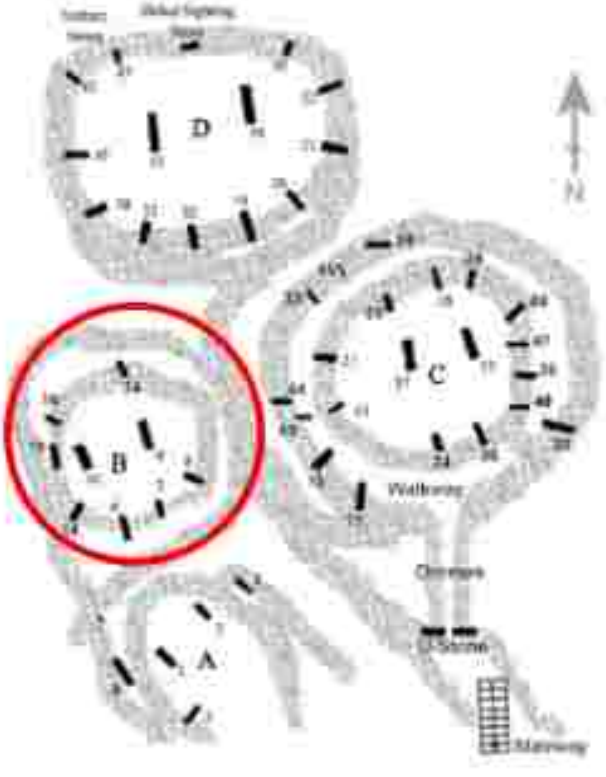
(figure 6.1,6.2,6.3,6.4) image of enclosure A. and pillar 1,2,5 from enclosure A

ELEMENTS	MATERIAL	FORM	DIMENSIONS	MOTIVE
Walls	Limestone	Rectangular with alcove on north end	Thinkness varies from 1-2m	
Pillars	Limestone	T-shaped		
5 in peripheral wall	Lime stone	T-shaped	Length: 72-175 cm Width: 28-66 cm Height: 172-315 cm	Snakes
Flooring	Terrazzo	Rectangular	X: 8.5 m Y: 5.5 m	

(Table 1.1) details of enclosure A

ENCLOSURE B :

The enclosure B is also known as enclosure with motive.This enclosure is in circular form with an diameter of 9.3 meters. The total area of this enclosure is 116 sq m this enclosure was built in nearly years ago. The elements observed in this enclosure are wall,2 central pillars and 11 on perishable wall and it consists of motives of only fox.



(figure 7) map depicting enclosure B

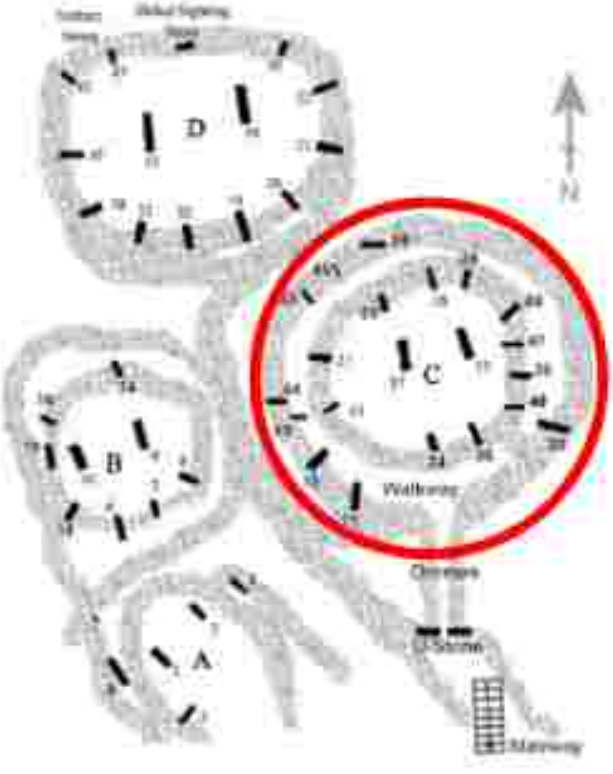
(figure 8.1,8.2,8.3,8.4) image of enclosure B. and pillar from enclosure B

ELEMENTS	MATERIAL	FORM	DIMENSIONS	MOTIVE
Walls	Limestone	Circular	Thinkness varies from 30-100 cm	
Pillars	Limestone	T-shaped		
9 in peripheral wall	Lime stone	T-shaped	Length: 75-171 cm Width: 30-61 cm Height: 300-330 cm	Fox
2 in centre	Limestone	T-shaped	Length: 156-166 cm Width: 66 cm Height: 360 cm	Fox
Flooring	Terrazzo		9 m Dia.	

(Table 1.2) details of enclosure B

ENCLOSURE C:

Enclosure C is also known as enclosure with wild boar.This enclosure is largest enclosure excavated till date with an area of 387 sq m. This enclosure consists of 4 rows of concentric walls.The diameter of innermost wall is 10.2 meters and there is defined entry of 0.7 meters.The space between two consecutive enclosure is nearly 2 meters.



(figure 9) map depicting enclosure A

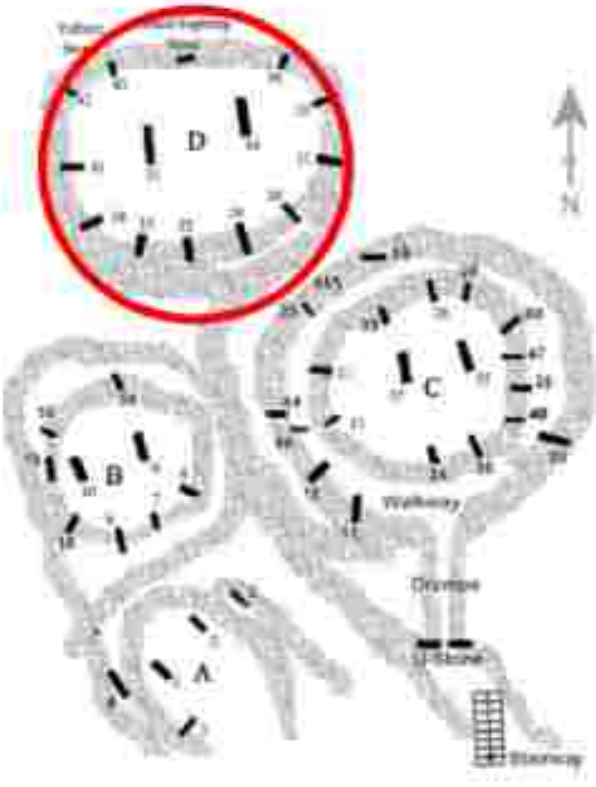
(figure 10.1,10.2,10.3,10.4) image of enclosure B. and pillar from enclosure B

ELEMENTS	MATERIAL	FORM	DIMENSIONS	MOTIVE
Walls	Limestone	Circular	Thinkness varies from 60-130 cm	
Pillars	Limestone	T-shaped		
9 in peripheral wall	Lime stone	T-shaped	Length: 62-190 cm Width: 23-90 cm Height: 235-355 cm	Wild boar, Birds
2 in centre	Limestone	T-shaped	Length: 180 cm Width: 55 cm Height: 500 cm	Fox
Flooring	Limestone	U-shaped	30 m Dia.	

(Table 1.3) details of enclosure C

ENCLOSURE D :

Enclosure D is also known as enclosure with animal scene. This enclosure is in circular form with an diameter of 14 meters with an total area of nearly 199 sq meters. This is oldest enclosure excavated till date it was nearly built in 10,500 BC nearly 12,500 years ago. This is the only enclosure where paintings by primitive nomads are observed.



(figure 11) map depicting enclosure A

(figure 12.1,12.2,12.3) image of enclosure B, and pillar from enclosure B

ELEMENTS	MATERIAL	FORM	DIMENSIONS	MOTIVE
Walls	Limestone	Circular	Thinkness varies from 30-130 cm	
Pillars	Limestone	T-shaped		
11 in peripheral wall	Lime stone	T-shaped	Length: 90-190 cm Width: 30-60 cm Height: 350-490 cm	Snake,bull fox & vultures
2 in centre	Limestone	T-shaped	Length: 230-240 cm Width: 40 cm Height: 550 cm	Human arm
Flooring	Limestone smoothened from bed rock	Circular	15 m Dia.	

(Table 1.4) details of enclosure D

Findings & Disscusions :

ENCLOSURE	BUILT IN	AREA		
A	8500 BC	66 sq m	Discription	Enclosure with snake motives
			No of enclosure	1
			Wall	Limestone
			Pillars	5
			Flooring	Terrazzo
			Motive	Snakes, birds and fox
B	9,700 BC	116 sq m	Discription	Enclosure with fox motives
			No of enclosure	2
			Wall	Limestone
			Pillars	11
			Flooring	Terrazzo
			Motive	Fox
C	10,000 BC	387 sq m	Discription	Enclosure with wild boar motives
			No of enclosure	4
			Wall	Limestone
			Pillars	21
			Flooring	Limestone
			Motive	Wild boar,fox and birds
D	10500 BC	199 sq m	Discription	Enclosure with animal scene motives
			No of enclosure	2
			Wall	Limestone
			Pillars	11
			Flooring	Limestone
			Motive	

(Table 2) Cumulative data of enclosures A,B,C & D.

The study suggests that Gobekle Tepe was not only one of the oldest civilization but also one of the oldest continuously habited civilization. Gobekle Tepe was in habitat for more than 2000 years from. This shows the transition in building typology and materials over this period of transition from PPNA to PPNB.The study of enclosures A,B,C & D depicts the change in form as well as the change in number of peripheraly walls the change is seen in an decreasing order as well as the change in the form from circular to rectangular is being observed as well as substantial change in area has been observed

The constitution technique and materials observed for different elements is as follows

Walls :

The walls were constructed using clay based mud mortar rubble core and rubble stone facing. Clay based mud mortar is to bind as binder to bind limestone. The width of wall varies from 1-2 meters and size of stone varies from 30-80 cm width and 15-30 cm height

Pillars :

The pillars are monolithic structure built from single limestone block .The pillars are either are embedded in wall or at the centre of the enclosures.The pillars are T-shaped with motives of different birds,animals and cosmological symbolism

Flooring :

The change in flooring pattern and materials is seen as the transition from PPNA to PPNB period. The flooring observed in enclosures from PPNA is limestone smoothed from bedrock and the flooring observed in enclosures from PPNB is terrazzo flooring consisting limestone pices as binder.

Motives:

The motives observed over here are of different living creatures like foxes, wild boars, vultures,snakes and many more along with this we can observe motives depicting geometric figures and also cosmological figures as well as paintings depicting animals are seen in enclosure D.

Scale & proportions :

The change in dimensions of elements such as pillars, openings, passages and many more has been observed. The change in dimensions is seen as transition from PPNA to PPNB takes place. The height of pillars has been reduced from 5 m to 3 m which is more desirable as well as size of passage has been increased from 0.4 m to 2 m in some parts

Significance & Impact

Younger Dryas was a period of abrupt cooling caused by either a comet impact or volcanic eruption which caused a smoke screen in the atmosphere which blocked and reduced the intensity of sun rays which reduced the earth's temperature and also disrupted the AMOC pattern the younger dryas period was characterised by sudden cooling of northern hemisphere as well as changes in precipitation pattern and vegetatio.The Younger dryas ended just as abruptly as it began.

Gobekli Tepe is an archeological site in southestern part of Turkey, which is considered to be the oldest manmade structure discovered till date.It was built by primitive nomads around 10,000 BC.This site consists of series of enclosures out of which first 4 enclosures A,B,C & D

are being studied and their findings have been discussed.
The study of Younger Dryas and it's impact specifically focousing on Gobelin Tepe provides insights on how the abrupt climate change caused the civilisation to flourish and also its transition over the course of years. The paper gives an insight on the building typology,material and planning aspects considered by primitive nomads.

Conclusion

The Younger Dryas was a period of sudden cooling believed to have been caused by a comet impact or volcanic eruption, creating a smoke screen in the atmosphere that decreased the intensity of sunlight and disrupted the AMOC pattern. This caused a reduction in the earth's temperature and changes in precipitation patterns and vegetation. The northern hemisphere experienced a sudden cooling during this period causing mass human movement from north to south east The Younger Dryas ended as abruptly as it began.
Gobekli Tepe is an archaeological site located in southeastern Turkey, considered to be the oldest man-made structure ever discovered, built by primitive nomads around 10,000 BC. The site comprises several enclosures, with enclosures A, B, C, and D being the focus of current research.The study of the Younger Dryas, particularly with a focus on Gobekli Tepe, offers insights into how abrupt climate change led to the flourishing of civilization and its transition over the years. The paper explores the building typology, materials used, and planning aspects considered by the primitive nomads who constructed the site.
Gobekli Tepe's enclosures were built with large, T-shaped pillars that were intricately carved with animal motifs and other symbolic images. These pillars were placed in circular or oval-shaped arrangements and were likely used for ritualistic purposes, possibly related to astronomical observations or ancestor worship.The sudden cooling of the Younger Dryas would have had a significant impact on the nomads who built Gobekli Tepe, as it would have disrupted their traditional way of life.It is possible that this period of environmental instability also provided an opportunity for innovation and experimentation, leading to the development of more complex social and cultural structures.
By studying the construction and layout of Gobekli Tepe, archaeologists can gain a better understanding of how early humans adapted to and thrived in changing environments. The site offers a glimpse into the early stages of human civilization and the ways in which our ancestors interacted with and responded to the natural world.

References

1. Cultural Responses to Climate Change in the holocen .Richard Prentice
2. Accumulation of impact markers in desert wetlands and implications for younger dryas impact hypothesis .Jeffrey S. Pigatia,1, Claudio Latorreb,c, Jason A. Rechd, Julio L. Betancourte Katherine E.Martinezb,and James R. Budahn
3. Göbekli Tepe: A Stone Age Sanctuary in South-Eastern Anatoli Book by Klaus Schmidt
4. "The Younger Dryas impact hypothesis: A requiem" by Andrew C. Scott, Alan D. Rooney, and Timothy D. J. Knowles (2018).
5. Article: "The Younger Dryas cold interval as viewed from central Greenland" by William

W. Locke and Gifford H. Miller (2017).
6. Göbekli Tepe—A unique site in Southeast Anatolia: Recent research and new perspectives [English translation of an article originally published in 2006]. In K. Schmidt (Ed.), Göbekli Tepe: Stone Age sanctuaries in south-eastern Anatolia (pp. 1-18). Deutsches Archäologisches Institute.Schmidt, K. (2014).
7. Göbekli Tepe: A Stone Age sanctuary in south-eastern Anatolia. Deutsches Archäologisches Institut.Schmidt, K. (2013).
8. The T-shaped pillars of Göbekli Tepe: A new interpretation. In T. Stöllner, T. Dreher, G. Dietrich, & J. Notroff (Eds.), Ritual dynamics: Proceedings of the 5th International Archaeomythology Symposium, held at the University of Würzburg, Germany, 2010 (pp. 17-30). Universitätsverlag Göttingen.Schmidt, K. (2012).
9. The animal symbolism of Göbekli Tepe. In J. Balter (Ed.), Animal agency: Humans and other animals in the past, present, and future (pp. 103-118). Routledge.Schmidt, K. (2011).
11. The Younger Dryas impact hypothesis: A critical review. Quaternary Geochronology, Celik, K., & Miller, G. H. (2022).
12. The Younger Dryas impact hypothesis: Evidence for a cosmic impact on the Earth 12,800 years ago. Earth
Celik, K., Miller, G. H., & Bunch, T. E. (2021).
13. The Younger Dryas impact hypothesis: Implications for human evolution and climate change. Anthropocene,
Celik, K., Miller, G. H., & Bunch, T. E. (2019). The Younger Dryas impact hypothesis:
14. Evidence for a cosmic impact on the Earth 12,800 years ago. In Catastrophic Events and Mass Extinctions: Impacts and Beyond (pp. 1-32). Springer, Cham.
Celik, K., Bunch, T. E., & Miller, G. H. (2018). The Younger Dryas impact hypothesis: A review of the evidence.

Photo credits :

1. I. Wagner
2. Klaus Schmidt
3. N. Becker
4. D. Johannas

(copyrights: DAI, Göbekli Tepe Project)

Glossary

1. AMOC : Atlantic Meridional Overturning Circulation
2. PPNA : Pre-pottery Neolithic A (10000 – 8800 BCE)
3. PPNB : Pre-pottery Neolithic B (8800 – 6500 BCE)
4. YD event : Younger Dryas evant which lasted for nearly 1200 years from 12900-11700

A.B.M.S.P's
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE

AVISHKAR GROUP

WORKED IN:-
AVISHKAR GROUP

NAME:- VARUN .U. JAVALEKAR
ROLL NO:- 16
YEAR:- 5 th YEAR
ACADEMIC YEAR:- 2023-2024

PRACTICAL TRAINING PORTFOLIO

About Us

Avishkar means Innovation

Avishkar Group is where Innovation Meets Reality. Ever since into wonderful concrete world, Avishkar Group is astonishing, prospering, blooming, furnishing about redefining luxury into the minds of common man. We are experts in Creating Miracles out of the space given to us -small or big, we get the best of both. We are committed to excellence in service. Avishkar Group seeks to serve customer in the most unparalleled approach possible.

With over 32 years of experience working on projects across Maharashtra and an in-house team of Finest Architects, Avishkar Group is equipped to make your Residential, Agricultural, Commercial, Industrial and Educational projects innovative beyond imagination.

The passion of work lies in the Residential and Commercial projections but the vision is to spread the wings of growth in the other directions too.

We are one of the fastest Growing Construction company. Avishkar Group has accomplished over 1.50 lakh sq.ft real estate construction projects to the tune of Rs 100 crores individually and jointly. Company is aiming to have Projects of approx Rs 500 Crores till 2025.

AVISHKAR GROUP

YEAR OF ESTABLISHMENT:-
JUNE-1990

OFFICE ADDRESS:-
107,PANNA CHAMBERS,
SWARGATE,PUNE-411042.

CONTACT :-

Ar.Nitin naik:-
naiknb@yahoo.com,9422089966
Ar.Pinak naik:-
pinak.naik@yahoo.in,8208284802
Ar.Sanjay kale:-
sanjayk2606@gmail.com,9422331392

FIELD OF WORK :-
ARCHITECTS,INTERIOR,
LANDSCAPE DESIGNERS
&APPROVED VALUERS

ABOUT FIRM:- AVISHKAR GROUP

TEAM AVISHKAR

PRINCIPAL ARCHITECT -

Ar. NITIN .B. NAIK

Ar. SANJAY .V. KALE

Jr. PRINCIPAL ARCHITECT -

Ar. PINAK.N.NAIK

Sr. ARCHITECT –

Ar.YOGESH CAMBLAY

Jr. ARCHITECT –

Ar.SMITA PAWAR

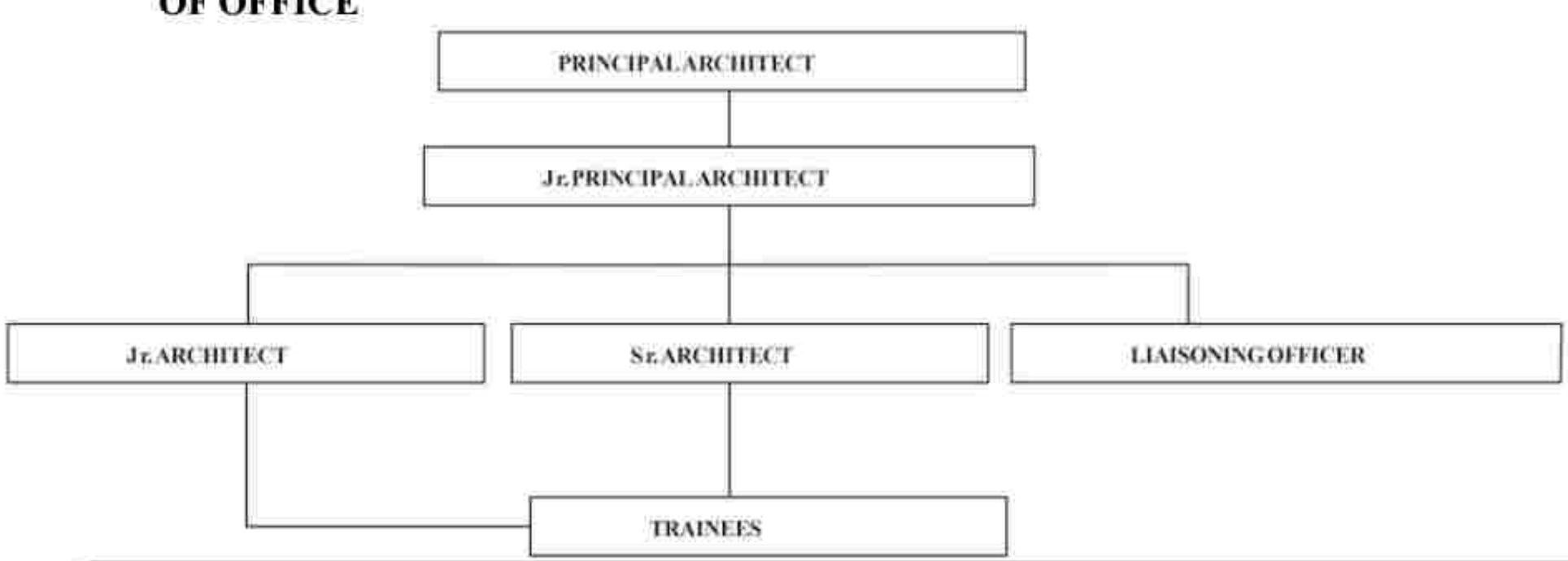
LIASONING OFFICER–

RAKESH SANAS

OFFICE ASSISTANT –

AMAR GOGAWALE

ORGANIZATION STRUCTURE OF OFFICE



ORGANIZATION CHART

It was pleasure that I'd like to thank Avishkar Group for such an amazing chance for having me as their intern. It is a very rewarding experience which has immensely shaped how I perceive architectural practices.

While I have been, I've been privileged to participate in many different projects, some with new challenges. Working with a great crew gives one a perspective about practicability of principles in architecture; beginning from the ideation of design up to the implementation and management of the projects.

However, one of the best parts of the internship is having an opportunity to take part in real projects. Each task on my way to understanding the entire architectural process, including site survey, design development, and client presentation. Mentorship and guidance provided by the team had a great role of improvement of skills and gaining confidence.

Additionally, being in an environment where this kind of teamwork was involved has been motivating. Seeing how smoothly they work like a team in innovativeness and accurate approaches is really inspiring. This has taught me how important communicating effectively, paying attention to details as well as being flexible is in such a field.

Specifically, the exposure to different software tools as well as common techniques of designing an architecture has been very helpful. My proficiency in using these tools has developed substantially by learning how to negotiate them.

However by the time I finish with this internship; I will have gathered many skills that I am sure will serve me well as I move forward in life. Thanks to all the employees of Avishkar Group who supported me, encouraged me, and taught me many important things.

Again, I thank you for the incredible opportunities. My desire is also to maintain communication and draw lessons from my experience in your venerable organization.

AVISHKAR GROUP

EXPERIENCE AT OFFICE

CONTENT

Project Description-

The Job was to Design a 3D perspectives and elevational treatments for the Bungalow.

Site Details-

Private property land
Area- 3962 sq ft.

Building Type-

Individual Private Bungalow

Client Description-

Mr. Mate

Work Status -

Working on client meetings and discussions.

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Pinak Naik , **Principal Architect**
Ar. Smita Pawar , **Junior Architect**

Challenges Faced-

The client rejected the 3D Bungalow views produced by another firm . As a result, we had to design the 3D bungalow to stand out from the crowd.

My Task-

*Making base 3D model of the project.
*Adding exterior details to the base model.
*Rendering the model.
*Organize the model for presentation, including views from different angles and perspectives.

What I Learnt From This Project -

*Explored design principles like symmetry, balance, and aesthetics to make your 3D model visually appealing.
*Learned how to ensure that the dimensions of model match the real-world bungalow you were modeling.
*Learned how to navigate the 3D environment, adjust camera angles, and visualize spaces in three dimensions.
*Learned how to map textures onto objects and make model more life like.
*Learning about shadows and how they interact with design.

3D VIEW OF BUNGALOW

GROUND FLOOR PLAN

FIRST FLOOR PLAN

SECOND FLOOR PLAN

THIRD FLOOR PLAN

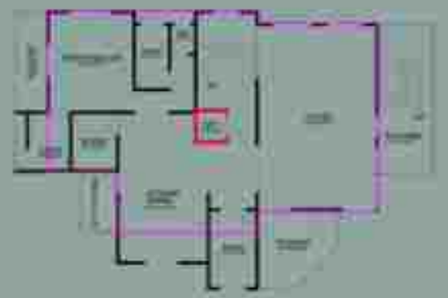
N

DRAWING CONTENT : 3D VIEW	CHKD BY : N.B.N	SIGN AND STAMP
CLIENT NAME : MR. MATE	DRN BY : VARUN . J	
	DATE : 00-00-2023	

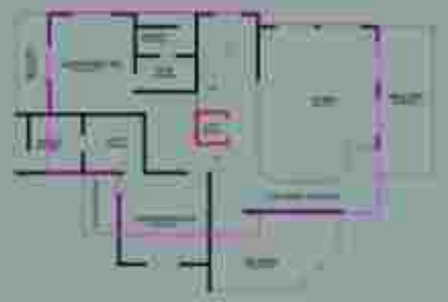
AVISHKAR GROUP

ARCHITECTS, INTERIOR DESIGNERS & MINDSET VALUERS

GROUND FLOOR PLAN



FIRST FLOOR PLAN



SECOND FLOOR PLAN

THIRD FLOOR PLAN

N

DRAWING CONTENT :

3D VIEW

CLIENT NAME :

MR. MATE

CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 08-08-2023

SIGN AND STAMP

AVISHKAR GROUP

Project Description-

The Job was to Design a 3D perspectives and elevational treatments for the Hotel and Residential apartment.

Site Details-

Private property land
Area- 294.52 sq mt.

Building Type-

Individual Private Bungalow

Client Description-

Mr. Nandmohan Salunke

Work Status -

Working on client meetings and discussions.

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Pinak Naik , **Principal Architect**
Ar. Smita Pawar , **Junior Architect**

Challenges Faced-

The client received the plan from another source and requested the design of the building's elevation. The main challenge involved combining the hotel and residential building plans for the elevation.

My Task-

*Making base 3D model of the project.
*Adding exterior details to the base model.
*Rendering the model.
*Organize the model for presentation, including views from different angles and perspectives.

What I Learnt From This Project -

*Explored design principles like symmetry, balance, and aesthetics to make your 3D model visually appealing.
*Learned how to ensure that the dimensions of model match the real-world bungalow you were modeling.
*Learned how to navigate the 3D environment, adjust camera angles, and visualize spaces in three dimensions.
*Learned how to map textures onto objects and make model more life like.
*Learning about shadows and how they interact with design.

3D VIEW OF HOTEL AND RESIDENTIAL APARTMENT

GROUND FLOOR PLAN

FIRST,SECOND,THIRD
TYPICAL FLOOR PLAN

N

DRAWING CONTENT :
3 D VIEWS

CLIENT NAME :
MR. NANDMOHAN

CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 16-09-2023

SIGN AND STAMP

AVISHKAR GROUP

GROUND FLOOR PLAN

FIRST,SECOND,THIRD
TYPICAL FLOOR PLAN

N	DRAWING CONTENT : 3 D VIEWS	CHKD BY : N.B.N DRN BY : VARUN . J DATE : 16-09-2023	SIGN AND STAMP
	CLIENT NAME : MR. NANDMOHAN		

AVISHKAR GROUP

Project Description-

The Job was to Design a 3D perspectives and elevational treatments for the Residential Apartment.

Site Details-

Private property land
Area- 479.77 sq mt.

Building Type-

Residential Apartment Building

Client Description-

Mr. Nitin Mate

Work Status -

Working on client meetings and discussions.

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Pinak Naik , **Principal Architect**
Ar. Yogesh Kamblay , **Senior Architect**

Challenges Faced-

It was my first time developing a 3D model of a residential Building . I had no idea how to conceptualise a building in three dimensions.

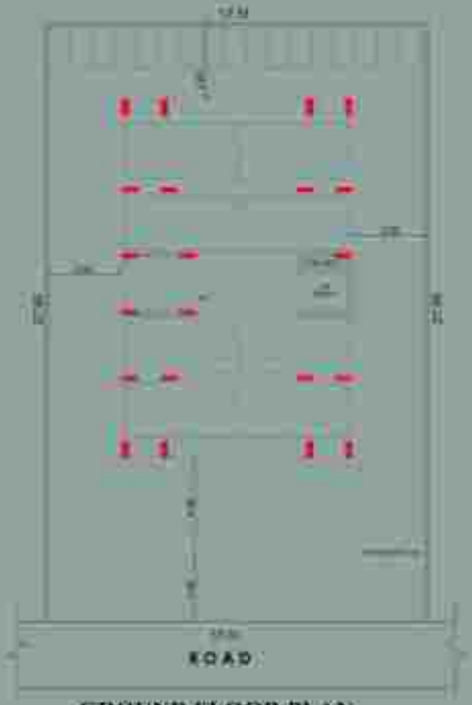
My Task-

*Making base 3D model of the project.
*Adding exterior details to the base model.
*Rendering the model.
*Organize the model for presentation, including views from different angles and perspectives.

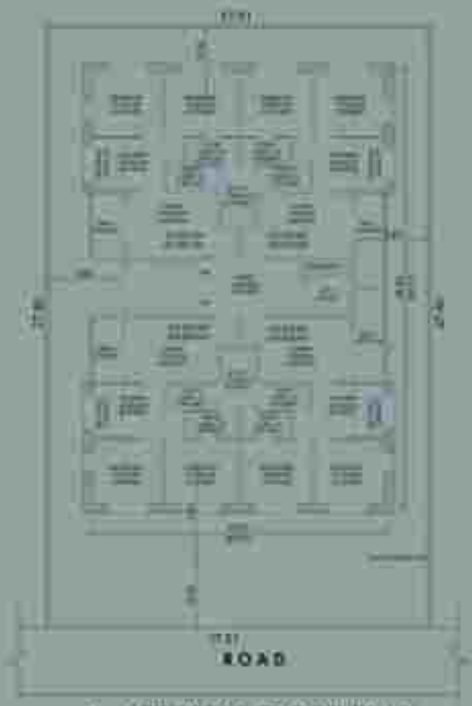
What I Learnt From This Project -

*Explored design principles like symmetry, balance, and aesthetics to make your 3D model visually appealing.
*Learned how to ensure that the dimensions of model match the real-world bungalow you were modeling.
*Learned how to navigate the 3D environment, adjust camera angles, and visualize spaces in three dimensions.
*Learned how to map textures onto objects and make model more life like.
*Learning about shadows and how they interact with design.

3D VIEW OF RESIDENTIAL APARTMENT



GROUND FLOOR PLAN



1 - 6 TYPICAL FLOOR PLAN

N

DRAWING CONTENT :
3 D VIEWS

CLIENT NAME :
MR. MATE

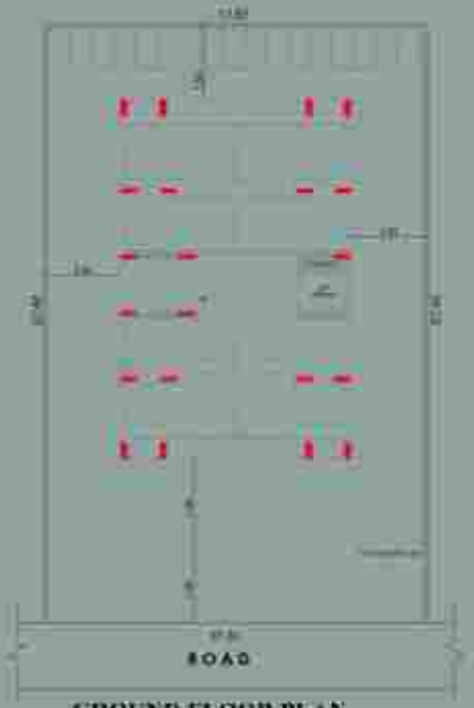
CHKD BY : N.B.N

DRN BY : VARUN . J

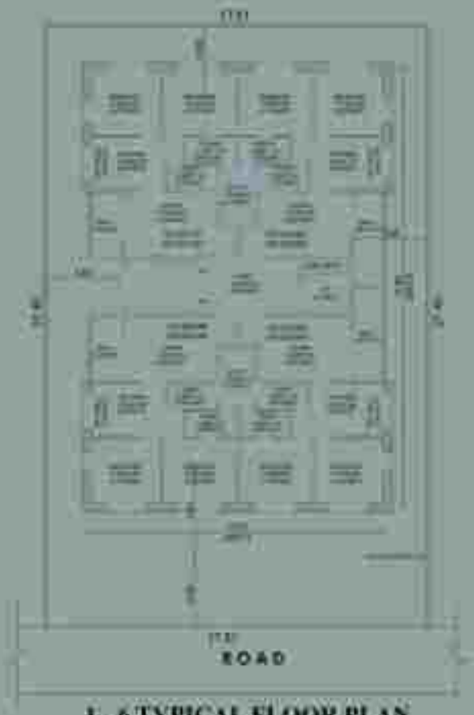
DATE : 20-07-2023

SIGN AND STAMP

AVISHKAR GROUP



GROUND FLOOR PLAN



1 - 6 TYPICAL FLOOR PLAN

N

DRAWING CONTENT :
3 D VIEWS

CLIENT NAME :
MR. MATE

CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 20-07-2023

SIGN AND STAMP

AVISHKAR GROUP

Project Description-

The Job was to Design 3d model of Interior of the bungalow.

Site Details-

Private property land

Building Type-

Residential Bungalow

Client Description-

Mr. Sahane

Work Status -

Working on client meetings and discussions.

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Pinak Naik , **Principal Architect**
Ar. Sanjay Kale , **Principal Architect**

Challenges Faced-

As the client has returened from Japan so he is interested in Japanese/scandinavian style interior.

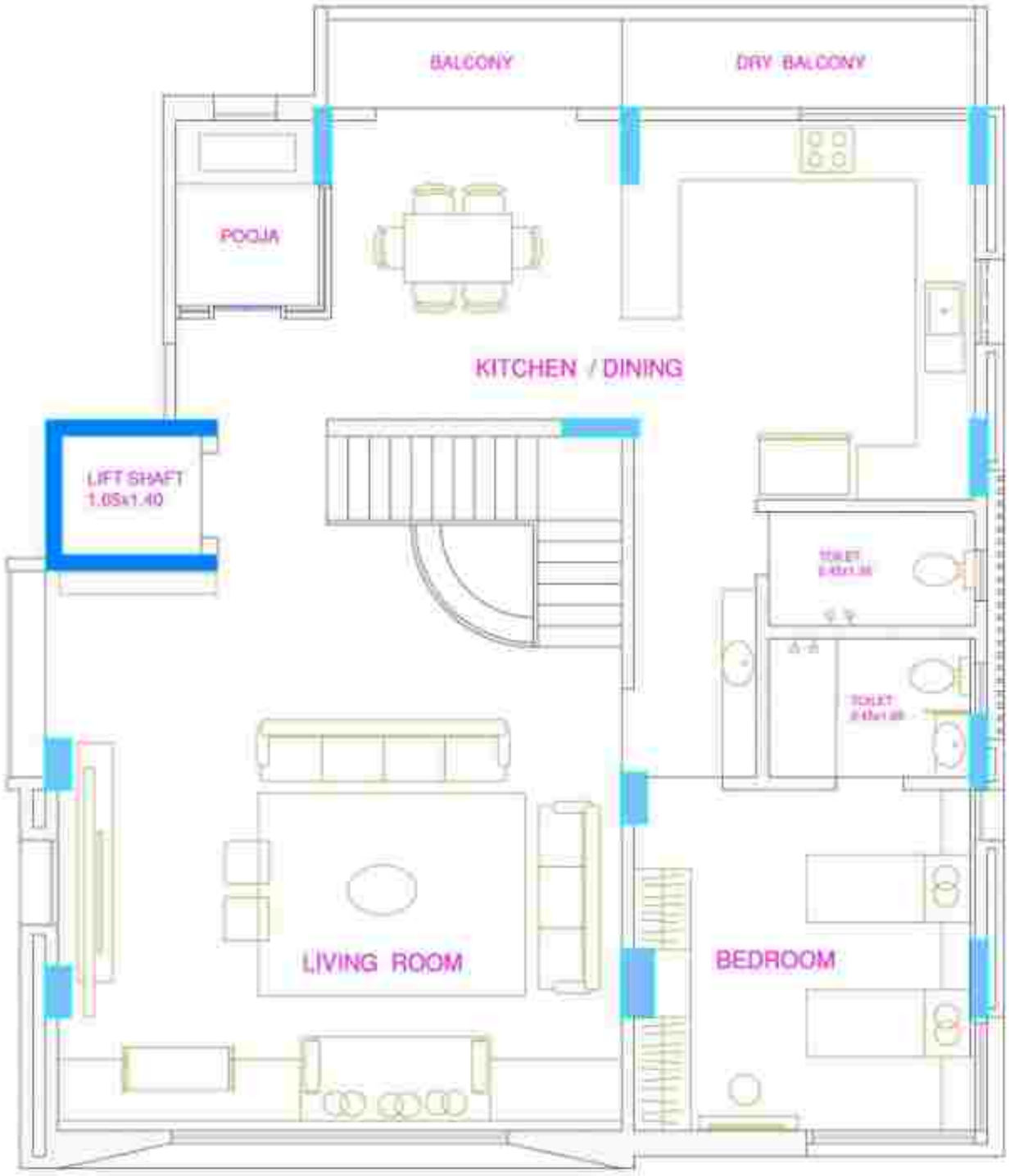
My Task-

*Finalising the furniture placement in the plan.
*Making 3D model of the Interior project.
*Rendering the model.
*Organize the model for presentation, including views from different angles and perspectives.

What I Learnt From This Project -

*Learned how to conceptualized the interior project.
*Learned various types of interior styles.
*Materials Knowledge:Deep understanding of different materials, their properties, and how to work with them.
*Cost of the Material in the Market.
*Learned the Scandinavian style of Interior.

3 D MODEL OF INTERIOR PROJECT

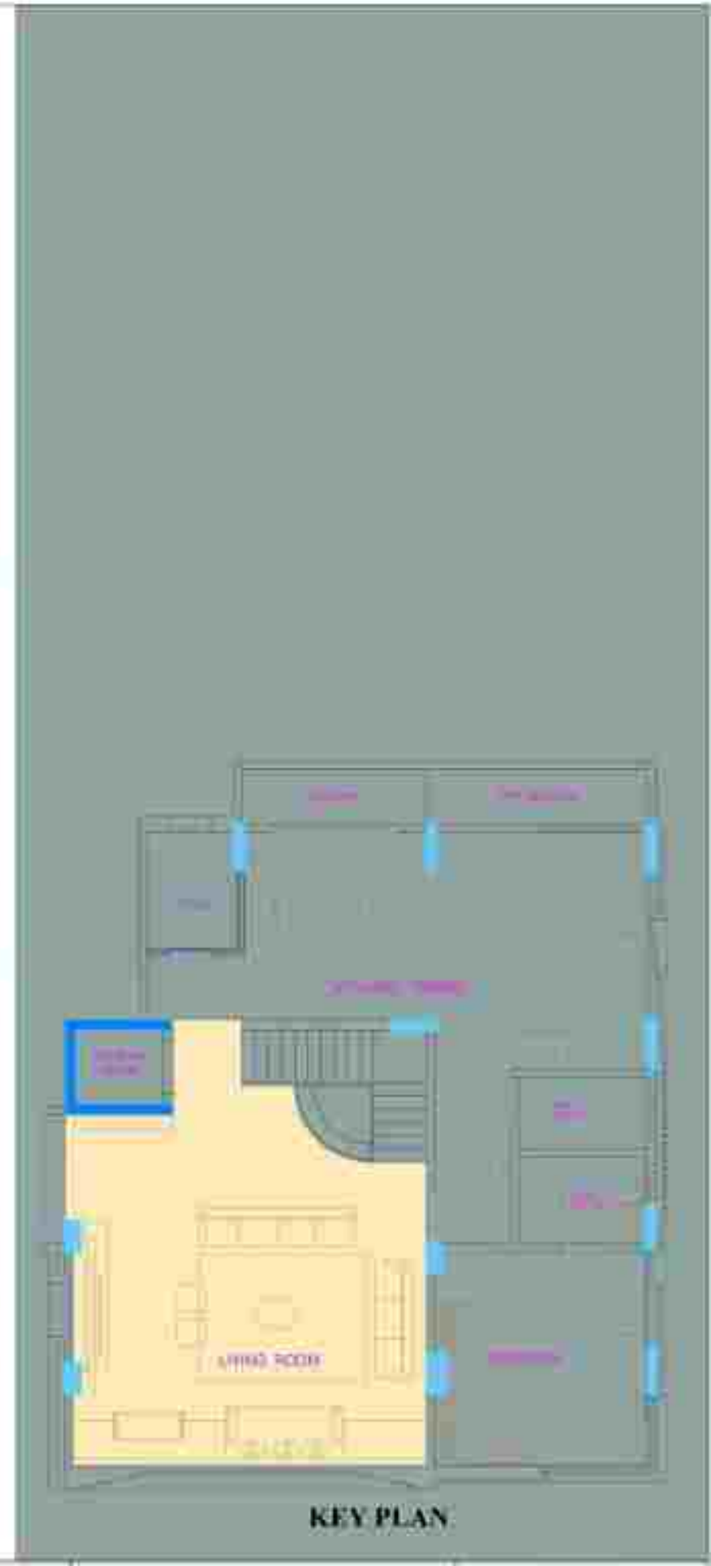


PLAN WITH FURNITURE PLACEMENT

RENDERED PLAN

VIEWS

N	DRAWING CONTENT : 3 D VIEWS	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : MR. SAHANE	DRN BY : VARUN . J	AVISHKAR GROUP
		DATE : 15-07-2023	



KEY PLAN

N	DRAWING CONTENT : 3 D VIEWS	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : MR. SAHANE	DRN BY : VARUN . J	AVISHKAR GROUP
		DATE : 15-07-2023	

KEY PLAN

N

DRAWING CONTENT :
3 D VIEWS

CLIENT NAME :
MR. SAHANE

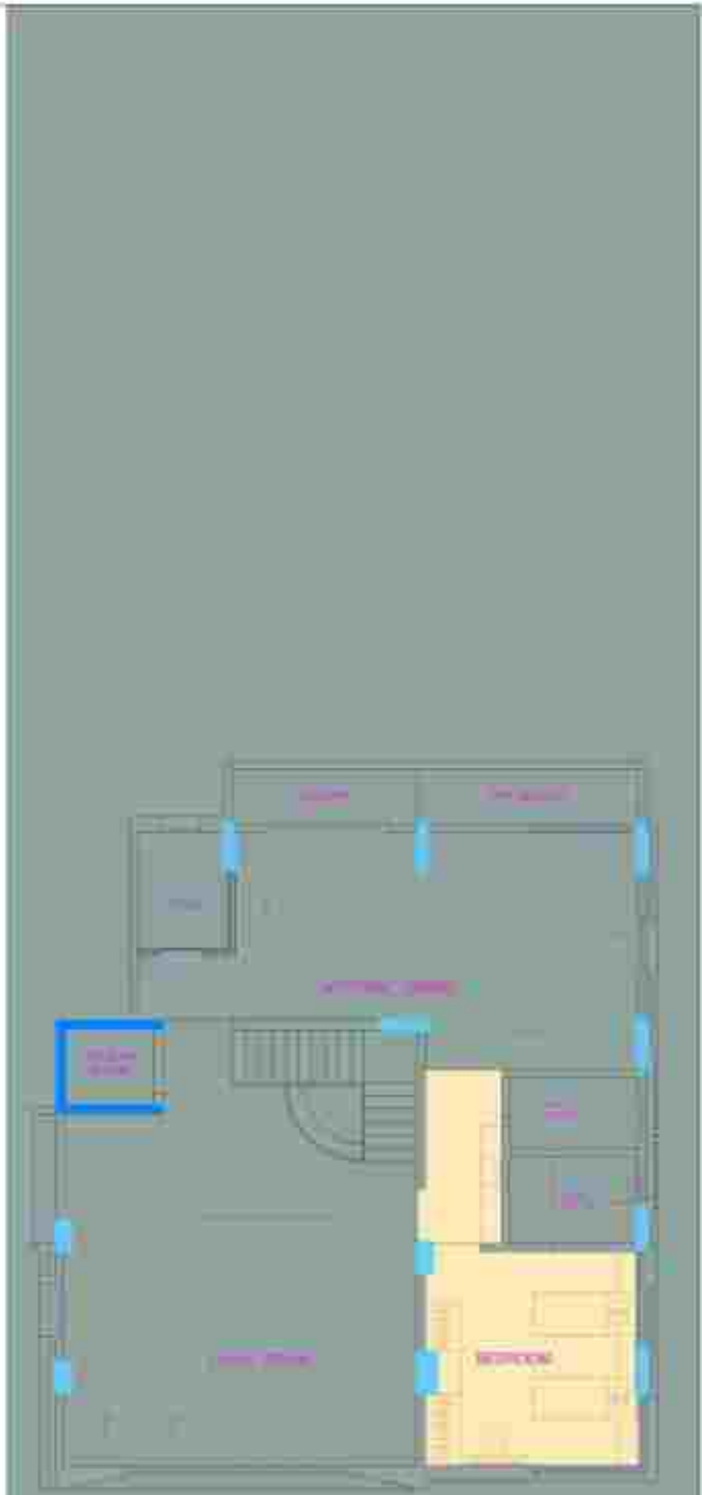
CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 15-07-2023

SIGN AND STAMP

AVISHKAR GROUP



KEY PLAN

N

DRAWING CONTENT :
3 D VIEWS

CLIENT NAME :
MR. SAHANE

CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 15-07-2023

SIGN AND STAMP

AVISHKAR GROUP

1

Project Description-

The Job was to Design & handle/supervise a interior design site.

Site Details-

Architectural office

Building Type-

Commercial Building

Client Description-

Ar. Nitin Naik

Work Status -

Completed

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Pinak Naik , **Principal Architect**
Ar. Yogesh Kamblay , **Senior Architect**
Ar. Smita Pawar , **Junior Architect**

Challenges Faced-

Office had an existing furniture and we had to plan a new design for the office and accomodate toilet in the plan as per the vastu.

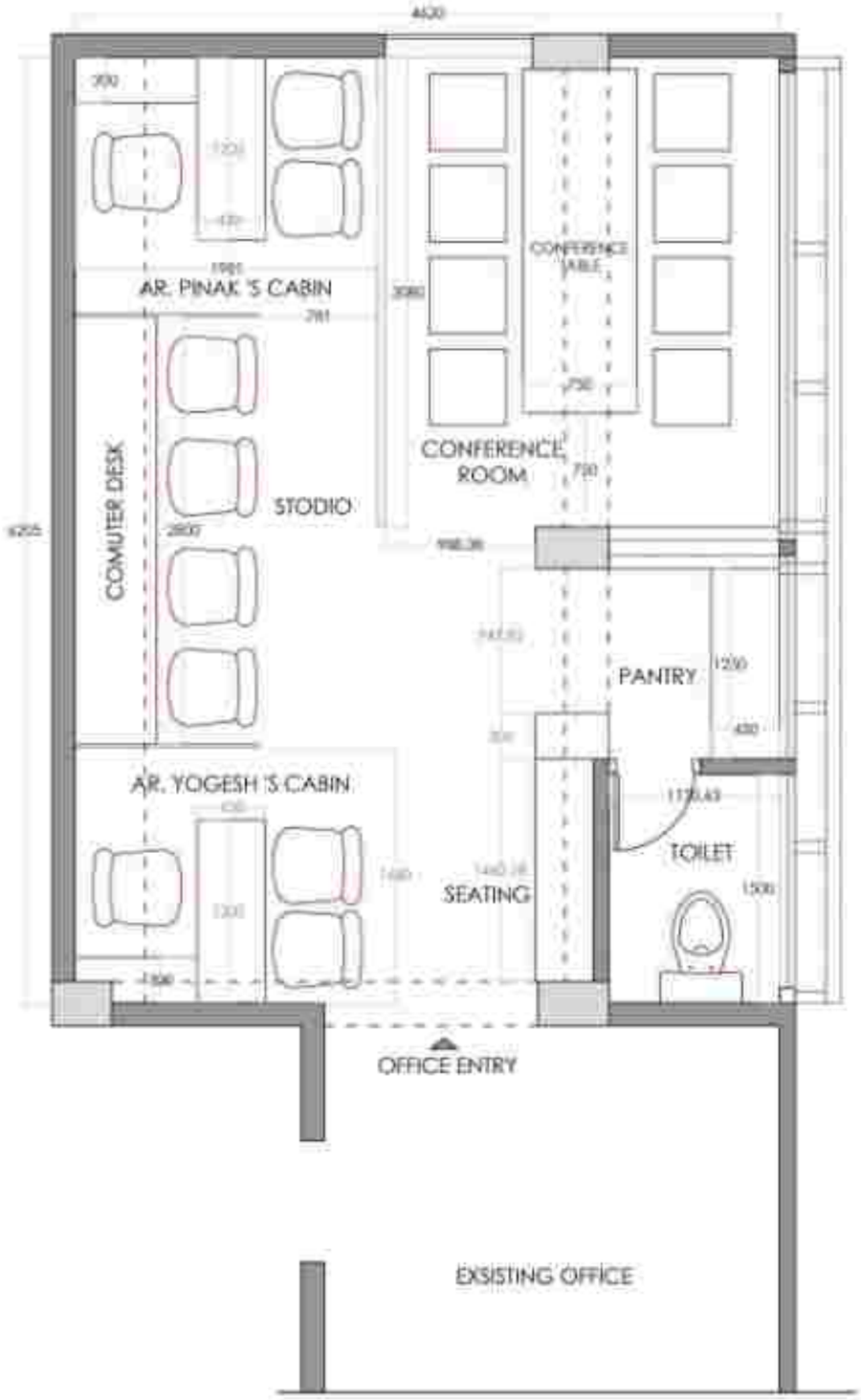
My Task-

*Designing of Furniture (Plan,Section).
*Making 3D model of the project.
*Buying of Material required for Project.
*Supervision of the work.
*Coordinating with the labour for work.
*Billing of the material.

What I Learnt From This Project -

*Learned the use & work of equipment.
*Precision and Attention to Detail of work while working .
*Materials Knowledge:Deep understanding of different materials, their properties, and how to work with them.
*Gained the knowledge how the practical work is done.
*Cost of the Material in the Market.

INTERIOR PROJECT:-ARCHITECTURAL FIRM



PLAN

BEFORE

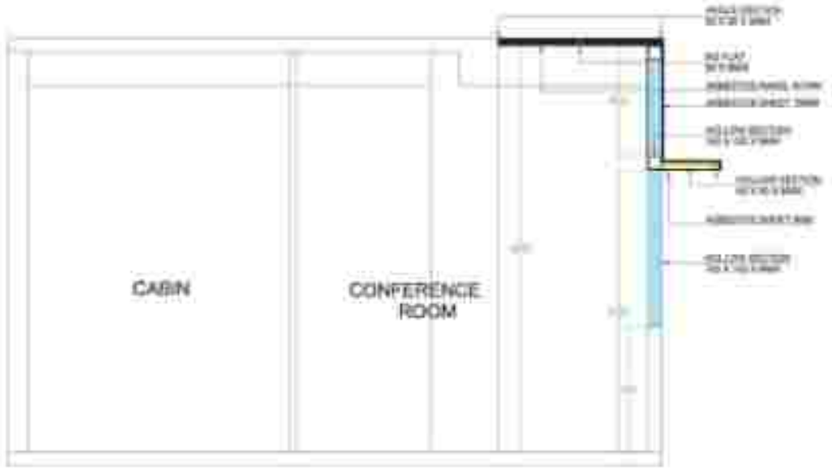
AFTER

ON SITE PHOTOS

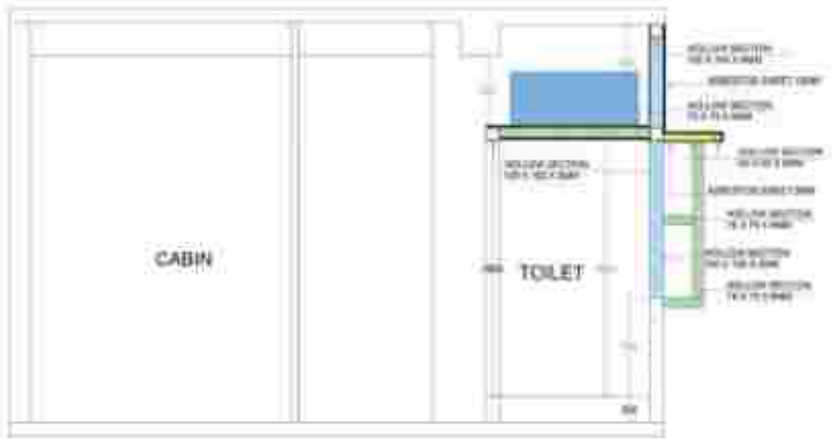
3 D MODEL VIEWS

KEY PLAN

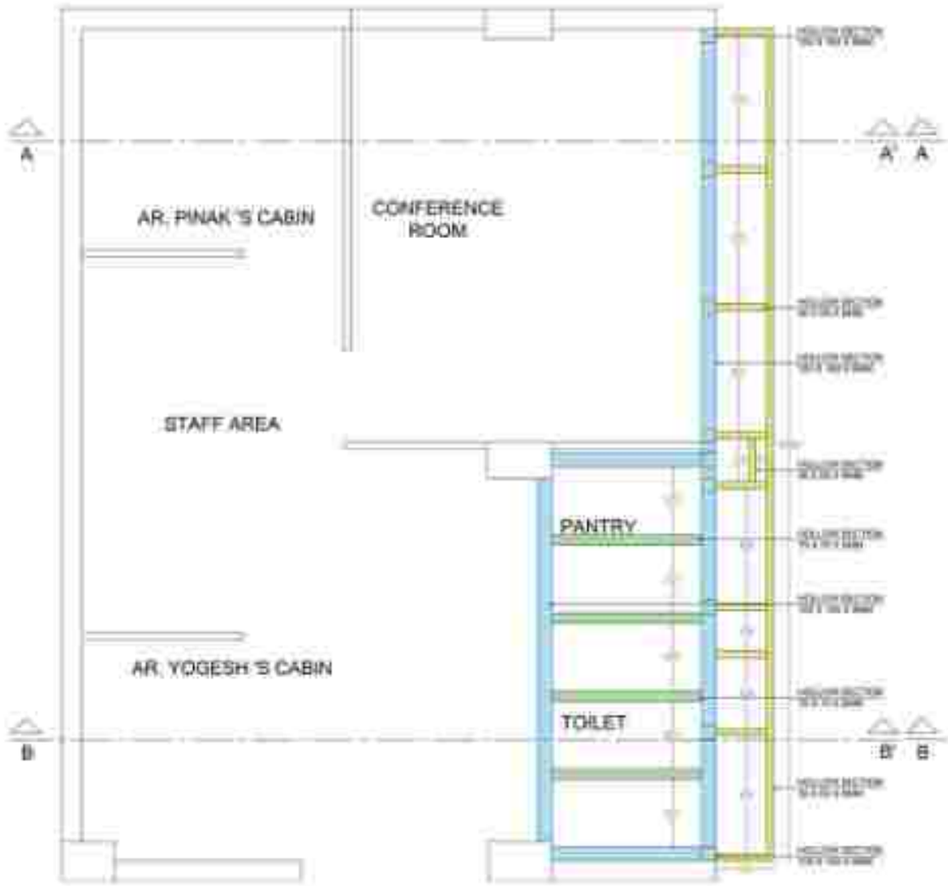
N	DRAWING CONTENT : FURNITURE LAYOUT	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : AR. NITIN NAIK	DRN BY : VARUN . J DATE : 30-09-2023	AVISHKAR GROUP



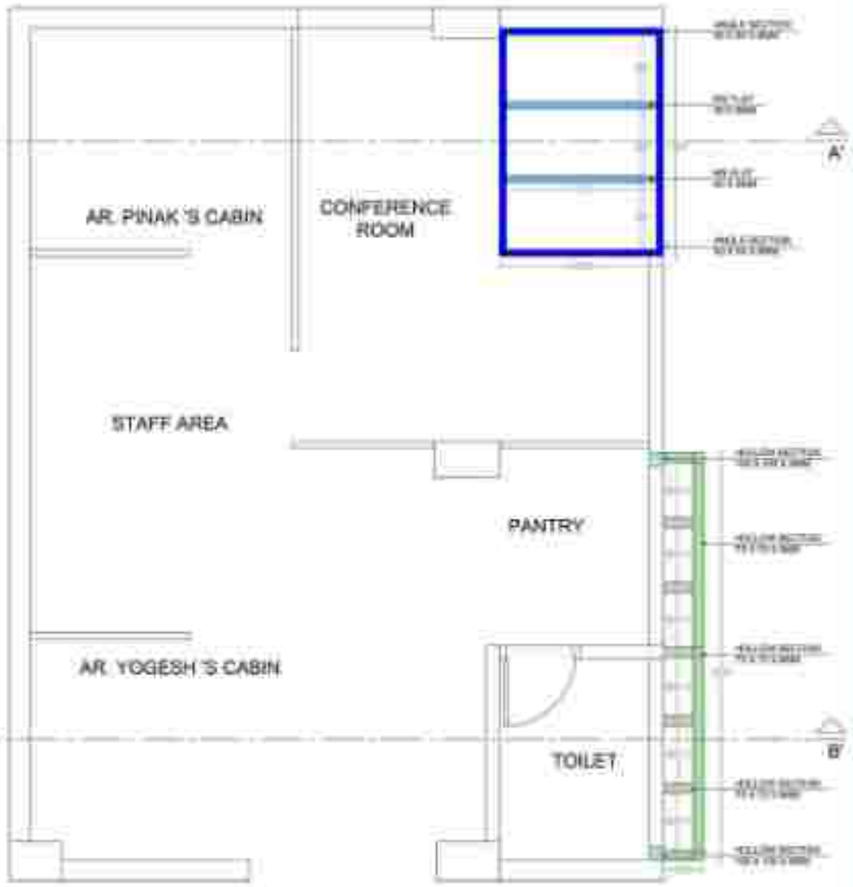
SECTION AA'



SECTION BB'



PLAN



PLAN

LEGEND

SYMBOL	DESCRIPTION
	HOLLOW SECTION 50 X 50 X 6MM
	HOLLOW SECTION 75 X 75 X 6MM
	HOLLOW SECTION 100 X 100 X 6MM
	MS FLAT SECTION 50 X 6MM
	ANGLE SECTION 50 X 50 X 6MM

3 D VIEWS

N

DRAWING CONTENT :
FABRICATION &SHEET COVERING

CLIENT NAME :
AR. NITIN NAIK

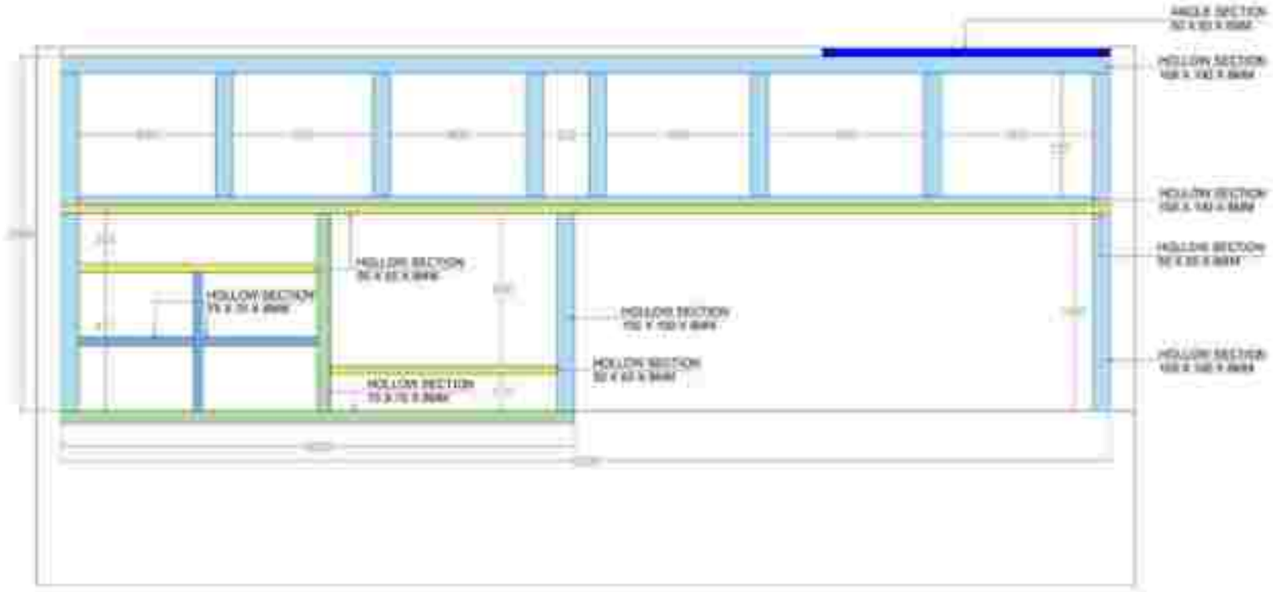
CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 25-07-2023

SIGN AND STAMP

AVISHKAR GROUP
ARCHITECTS, INTERIOR DESIGNERS & APPROVED VALUERS



ELEVATION

MATERIAL REQUIRED

FABRICATION

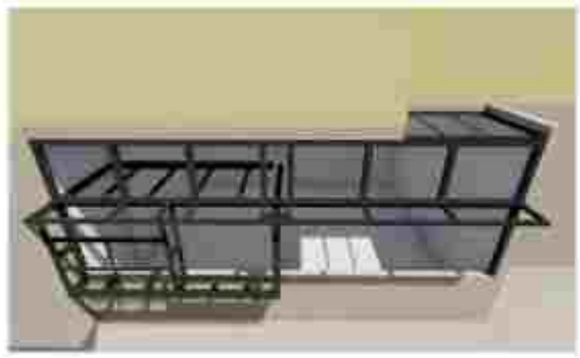
Pipe 100x100x2
Pipe 72x72x1.6
Pipe 50x50x1.2
Pipe 25x25x1
Angle 50x4
Flat 50x5

SHEET COVERING-FLEX-O-BOARD

Flex-o-board :-6x4x12mm
6x4x8mm
Aerocon Panel:-6x2x50mm

FABRICATION WORK

SHEET COVERING ON FABRICATION WORK



3D VIEW OF FABRICATION

3D VIEW OF FABRICATION WITH ASBESTOS CEMENT SHEET

BEFORE THE WORK OF FABRICATION

AFTER THE WORK OF FABRICATION

AFTER THE WORK OF FITTING ASBESTOS CEMENT SHEET

N

DRAWING CONTENT :
FABRICATION &SHEET COVERING

CLIENT NAME :
AR. NITIN NAIK

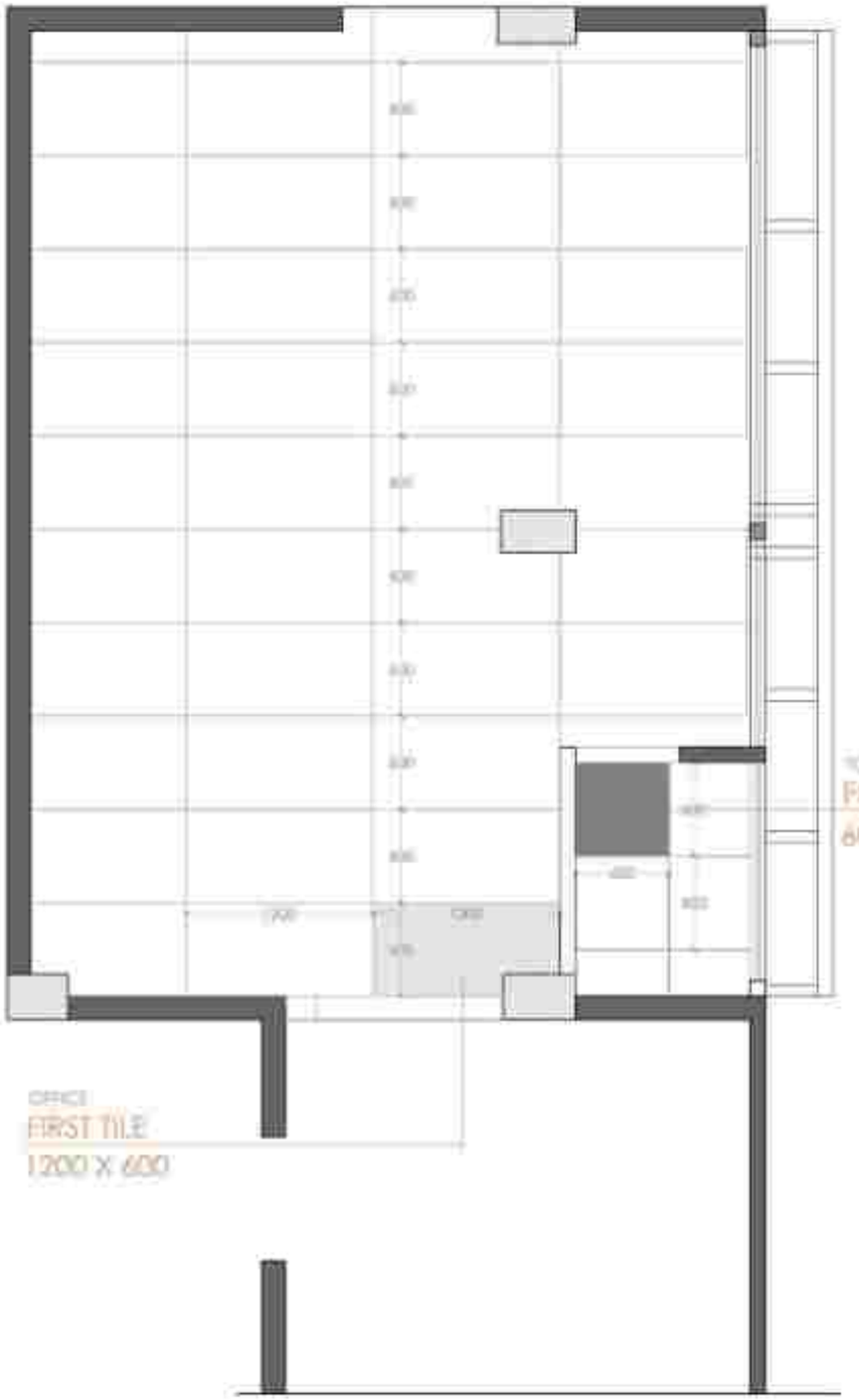
CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 25-07-2023

SIGN AND STAMP

AVISHKAR GROUP
ARCHITECTS, INTERIOR DESIGNERS & APPROVED VALUERS



PLAN

TILE SELECTION

APPLYING ADHESIVE ON TILES

REMOVING OLD TILES

APPLYING ADHESIVE ON FLOOR

ADHESIVE FOR TILES

COMPLETION OF WORK

OFFICE FLOOR TILES

TOILET FLOOR TILES

TOILET WALL TILES

3 D MODEL OF TILES

N

DRAWING CONTENT :
TILE LAYOUT

CLIENT NAME :
AR. NITIN NAIK

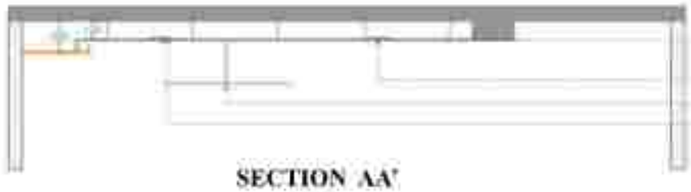
CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 05-08-2023

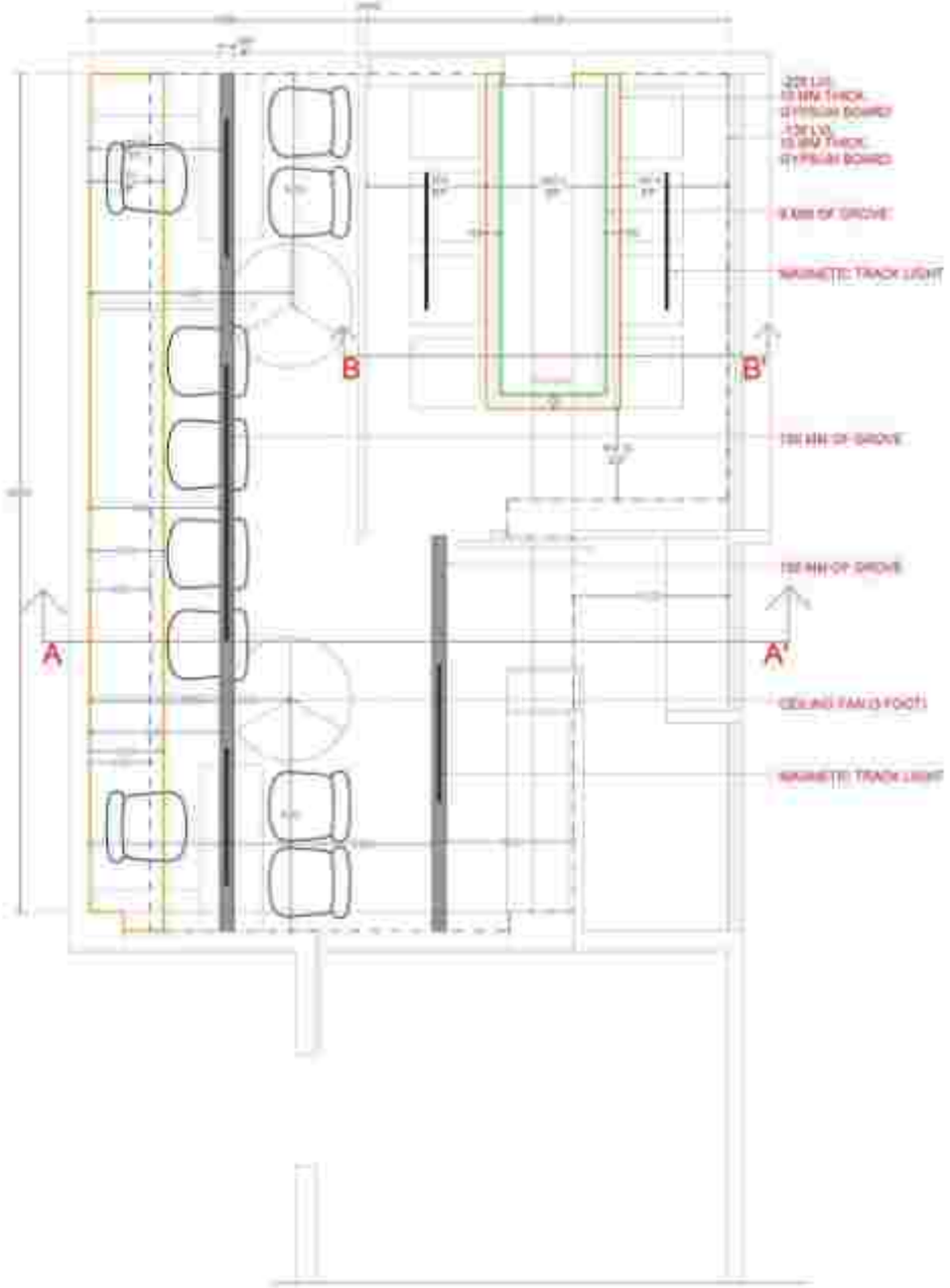
SIGN AND STAMP

AVISHKAR GROUP



SECTION AA'

SECTION BB'



CEILING PLAN

INSTALLATION OF FRAMES

CHECKING OF THE INSTALLATION FRAMES

FIXING OF GYPSUM BOARD ON THE FRAMES

MIXTURE OF THE GYPSUM POWDER AND WATER

APPLYING MIXTURE OF GYPSUM

FINAL CEILING

LEGEND

SYMBOL	DESCRIPTION
	- 120 LVL
	- 220 LVL
	6 MM GROOVE
	100 MM GROOVE
——	MAGNETIC TRACK LIGHT
	CEILING FAN

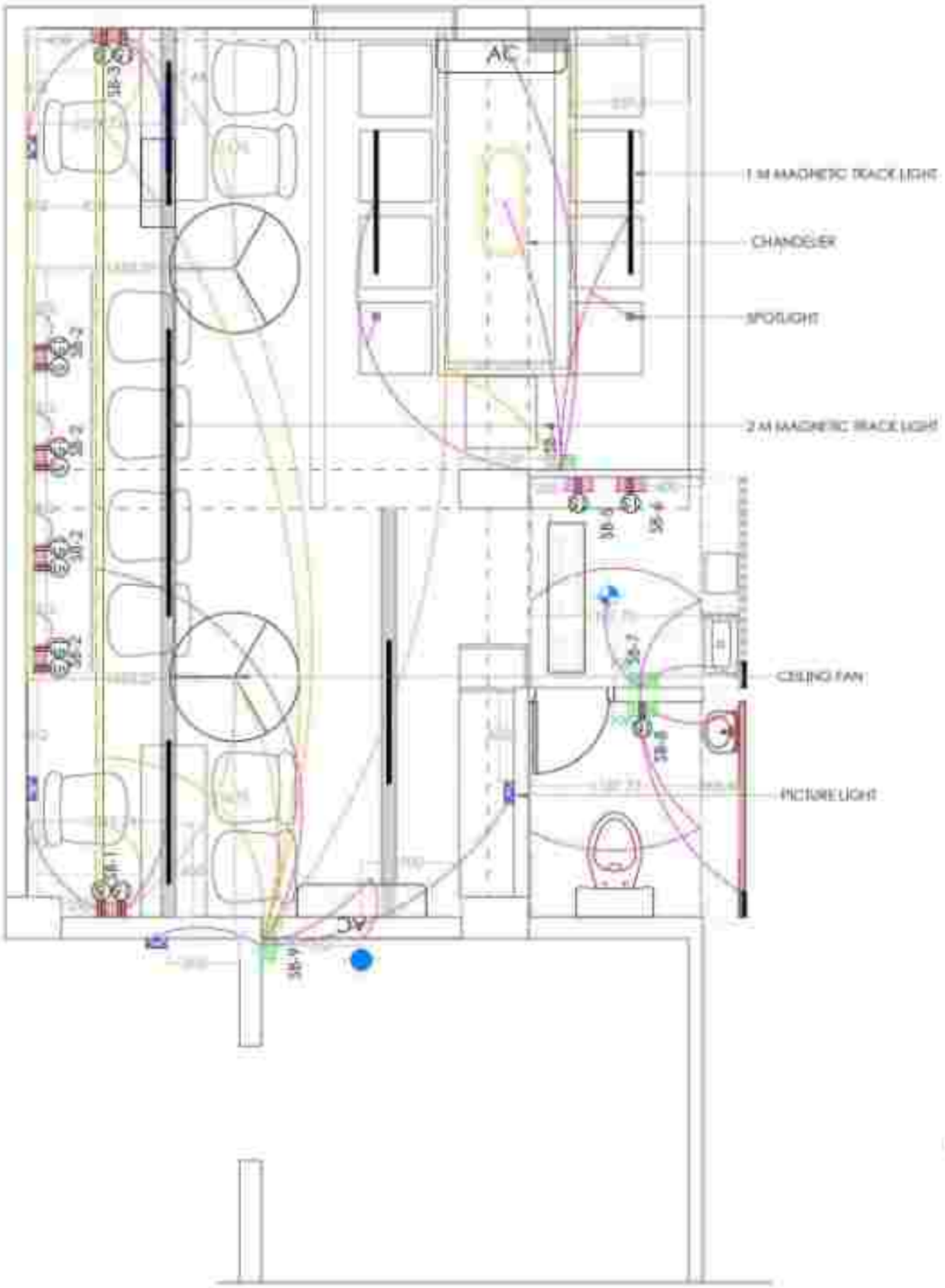
GYPSUM BOARD

GYPSUM POWDER

ALUMINIUM FRAMES

N	DRAWING CONTENT : CEILING LAYOUT	CHKD BY : N.B.N DRN BY : VARUN . J DATE : 20-08-2023	SIGN AND STAMP
	CLIENT NAME : AR. NITIN NAIK		

AVISHKAR GROUP

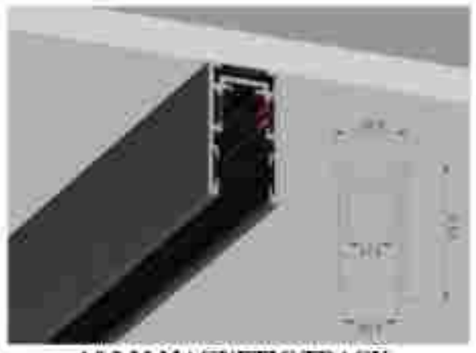


PLAN

ATOMBERG CEILING FAN

SPOTLIGHT

PICTURE LIGHT



1&2 M MAGNETIC TRACK

POWER DRIVER FOR MAGNETIC TRACK

SPOTLIGHTS FOR MAGNETIC TRACK

CHANDELIER

LEGEND

	LIGHT		38 4"
	WATER TANK LIGHT		EXHAUST FAN
	AC UNIT		CEILING FAN POINT
	PELMET LIGHT		
	38 1/4"		SOCKET POINT
	38 2"		TABLE FLIP FLAP switch board
	MIRROR LIGHT		HANGING LIGHT

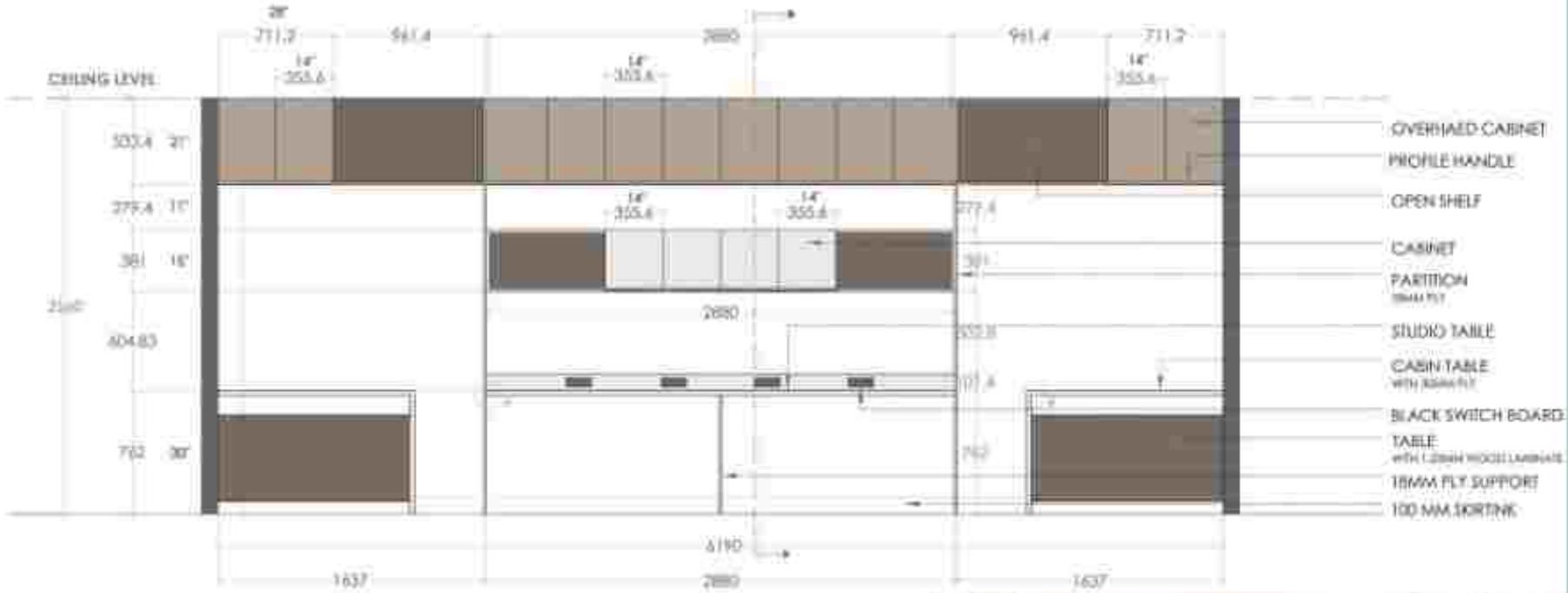
SWITCH BOARD

NAME	TYPE/WEIGHT	DESCRIPTION
SB-1		TABLE HANGING LIGHT,PICTURE LIGHT,FAN (2-way switch),CEILING LIGHT(2-way switch) 2-SWITCH,2-SOCKET(3-15A,1-5A)
SB-2		1-PELMET LIGHT,1-CHARGING POINT(1-5A)2-COMPUTER POINT(2-15A)
SB-3		TABLE HANGING LIGHT,PICTURE LIGHT,FAN (2-way switch),CEILING LIGHT(2-way switch) 2-SWITCH,2-SOCKET(3-15A,2A)
SB-4		CEILING LIGHT(2-way switch),CEILING LIGHT,PROJECTOR SWITCH,DRY SWITCH,HANGING LIGHT
SB-5		1-15 Amp SOCKET&SWITCH
SB-6		2-15 Amp SOCKET&SWITCH
SB-7		1-15 Amp SOCKET&SWITCH,LED LIGHT,WATER TANK LIGHT,FOR EXHAUST
SB-8		EXHAUST,1-MIRROR LIGHT,2-15 Amp SWITCH&SOCKET
SB-9		DISPLAY LIGHT,CEILING LIGHT,CEILING LIGHT(2-way switch),FANS,2D with switch(3),LED LIGHT,CONFERENCE LIGHT(2-way switch),WAITING AREA

N

DRAWING CONTENT : ELECTRIC LAYOUT	CHKD BY : N.B.N	SIGN AND STAMP
CLIENT NAME : AR. NITIN NAIK	DRN BY : VARUN . J DATE : 30-09-2023	

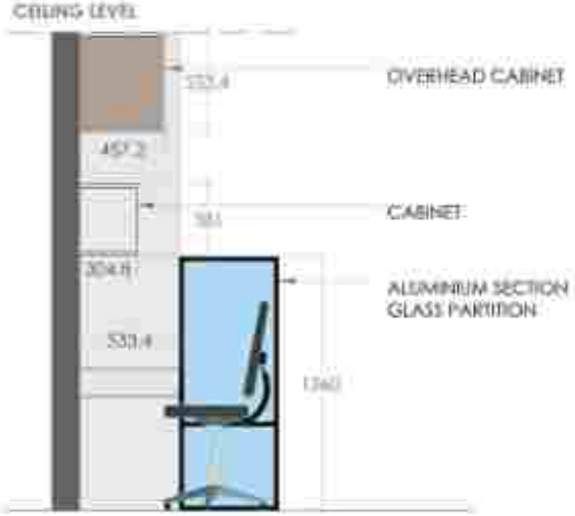
AVISHKAR GROUP



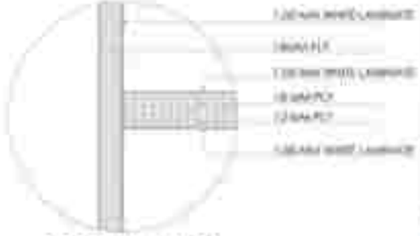
ELEVATION

3 D MODEL

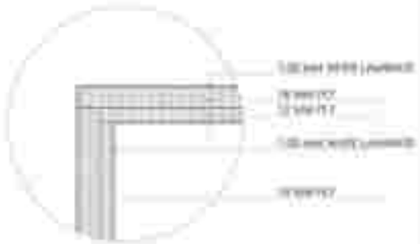
ON SITE



SECTION



DETAIL AT A



DETAIL AT B

KEY PLAN

N

DRAWING CONTENT :
A-SIDE ELEVATION

CLIENT NAME :
AR. NITIN NAIK

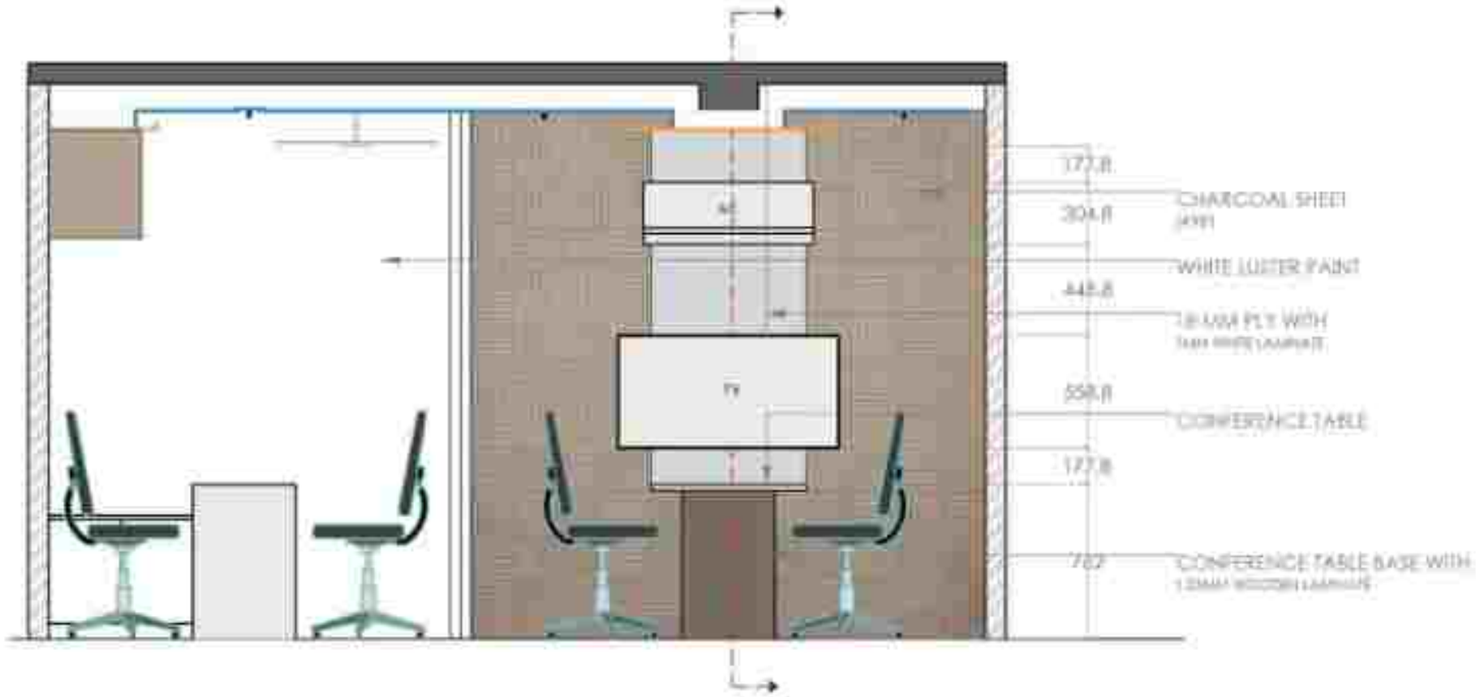
CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 30-09-2023

SIGN AND STAMP

AVISHKAR GROUP



B-SIDE ELEVATION

SECTION

DETAIL

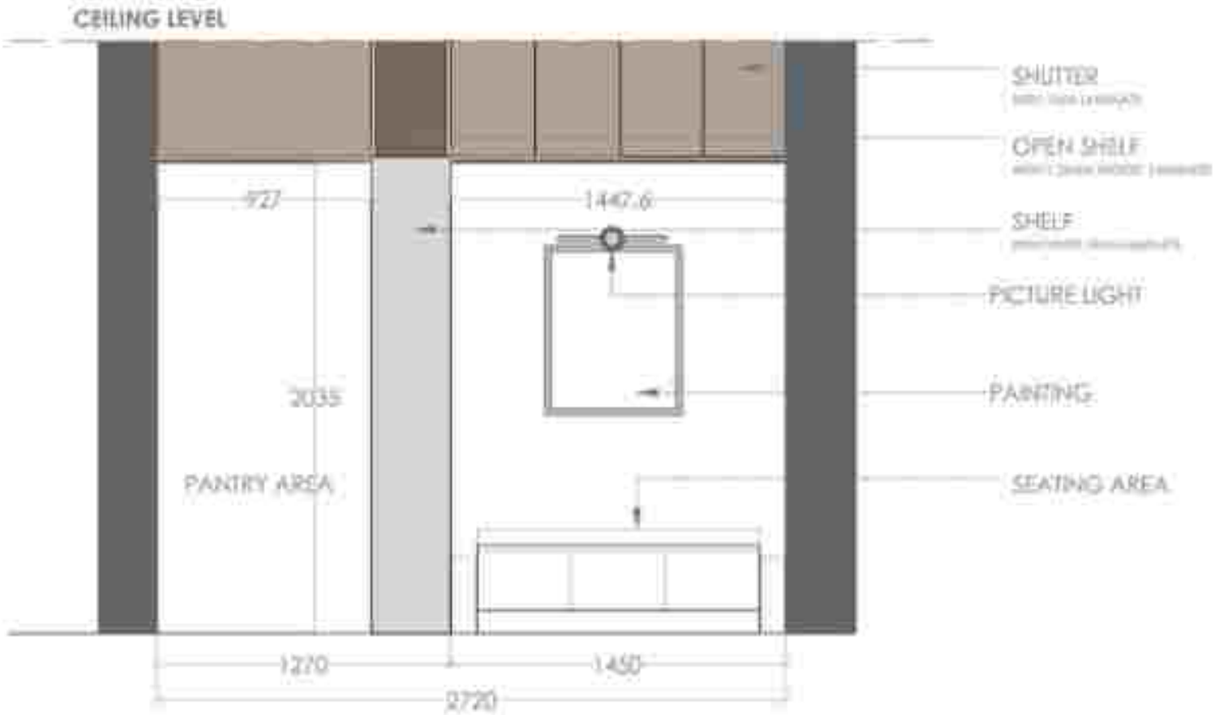
ON SITE PHOTO

ON SITE PHOTO

3.D MODEL

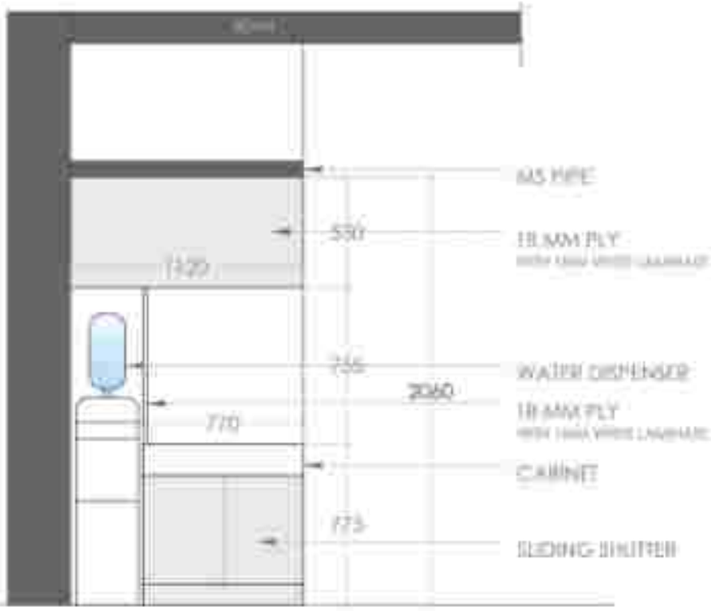
KEY PLAN

N	**DRAWING CONTENT :** B-SIDE ELEVATION	**CHKD BY : N.B.N**	**SIGN AND STAMP**
	CLIENT NAME : AR. NITIN NAIK	**DRN BY : VARUN . J**	AVISHKAR GROUP
		DATE : 30-09-2023	



C-SIDE ELEVATION

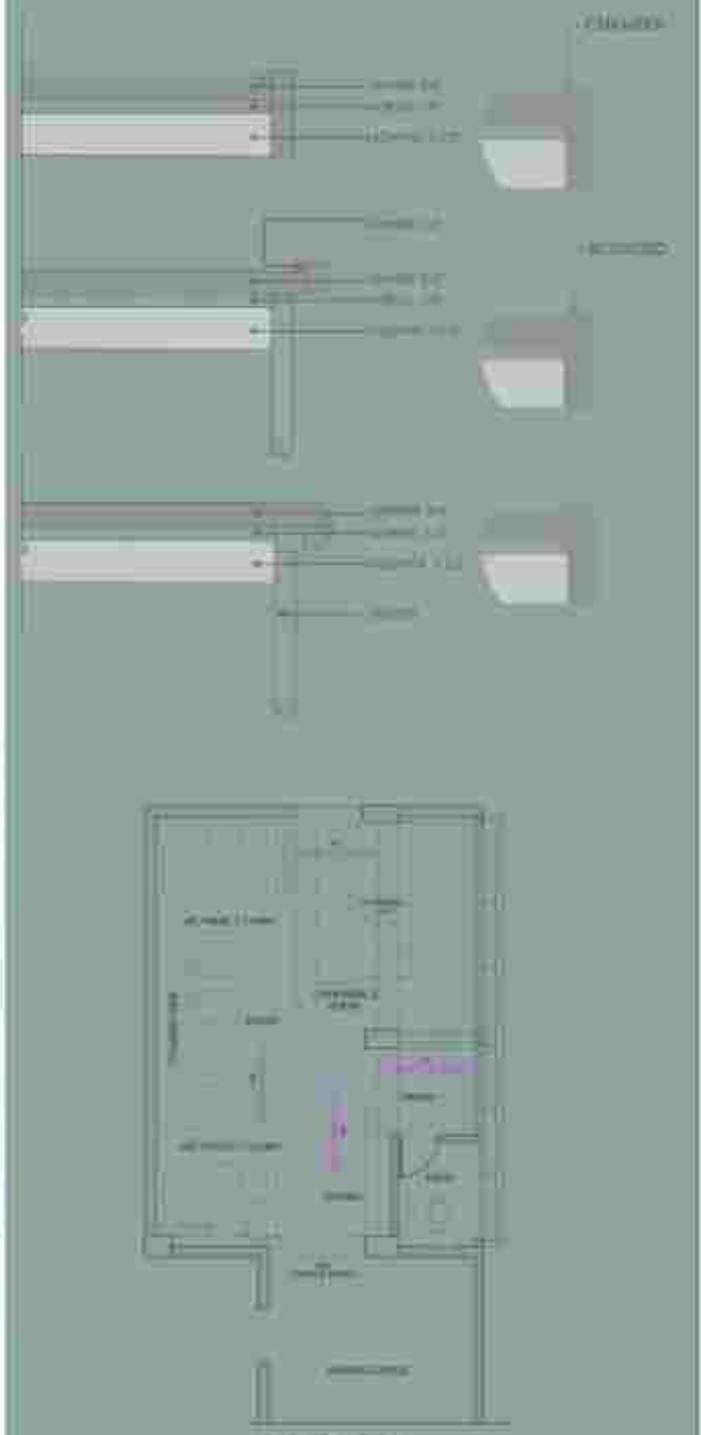
3 D MODEL



D-SIDE ELEVATION

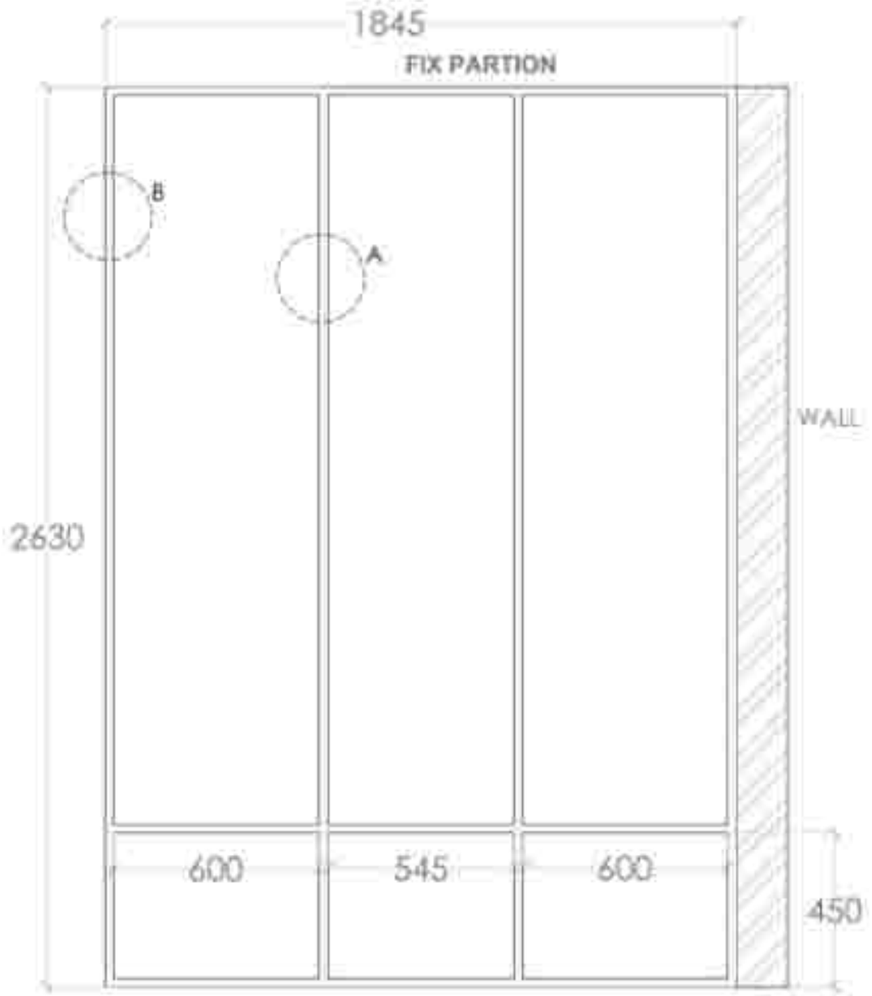
3 D MODEL

KITCHEN OTTA DETAILS

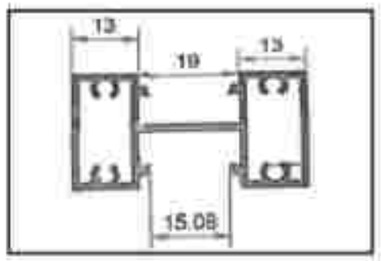


KEY PLAN

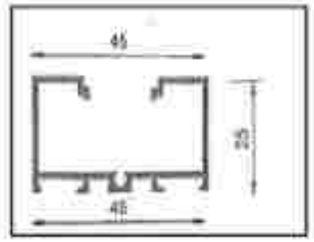
N	DRAWING CONTENT : C&D-SIDE ELEVATION	CHKD BY : N.B.N DRN BY : VARUN . J DATE : 30-09-2023	SIGN AND STAMP
	CLIENT NAME : AR. NITIN NAIK		AVISHKAR GROUP



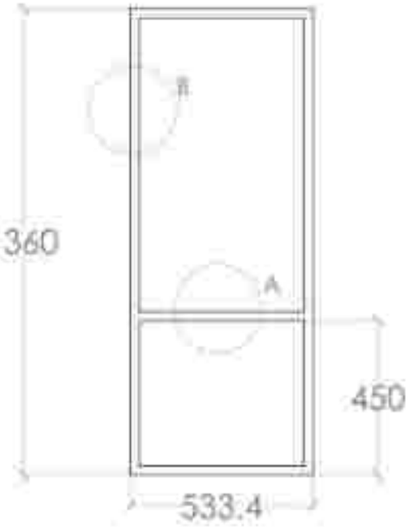
ELEVATION



ALUMINIUM SECTION 'A'



ALUMINIUM SECTION 'B'

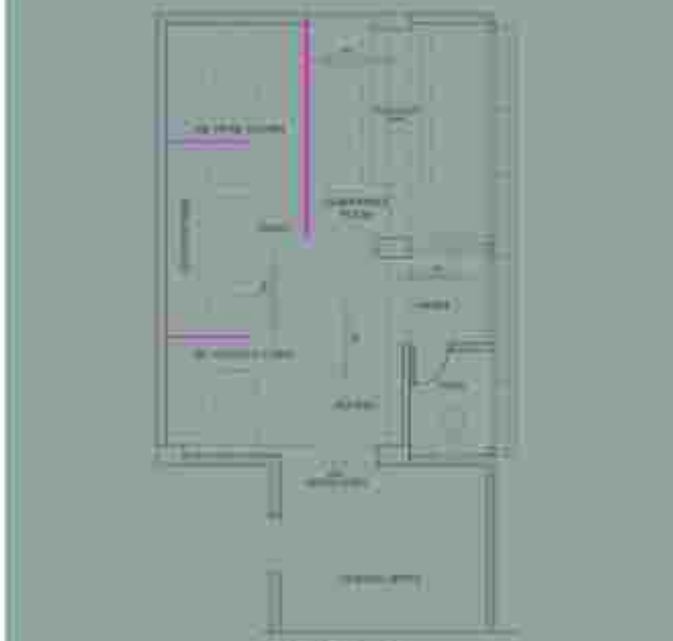


ELEVATION

ELEVATION

SECTION

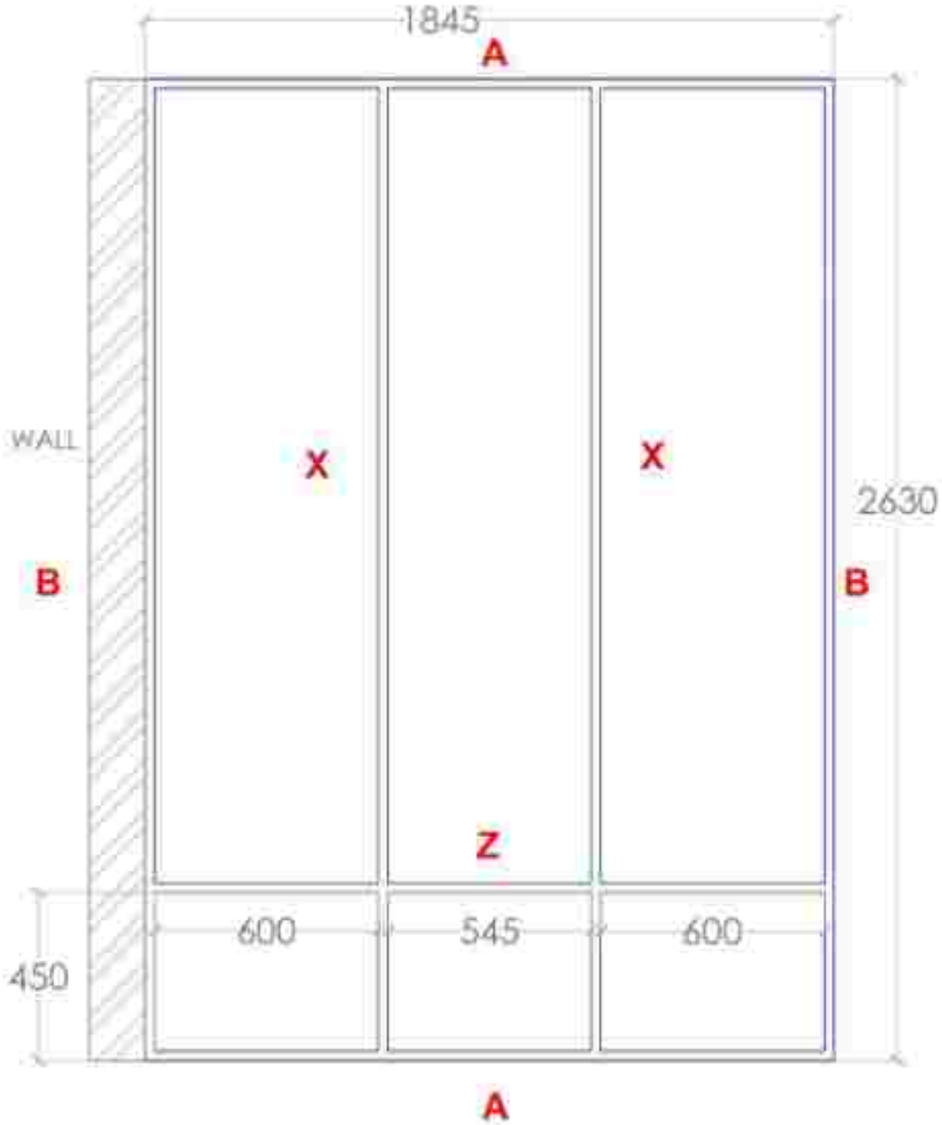
VARIOUS TYPES OF ALUMINIUM SECTION



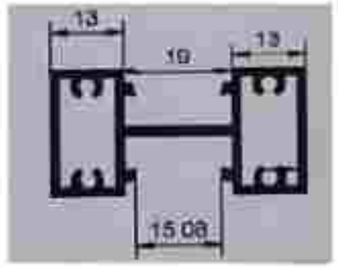
KEY PLAN

N	DRAWING CONTENT : PARTITION WALL	CHKD BY : N.B.N DRN BY : VARUN . J DATE : 25-10-2023	SIGN AND STAMP
	CLIENT NAME : AR. NITIN NAIK		

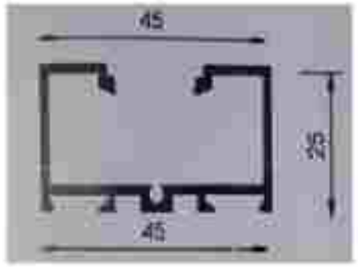
AVISHKAR GROUP



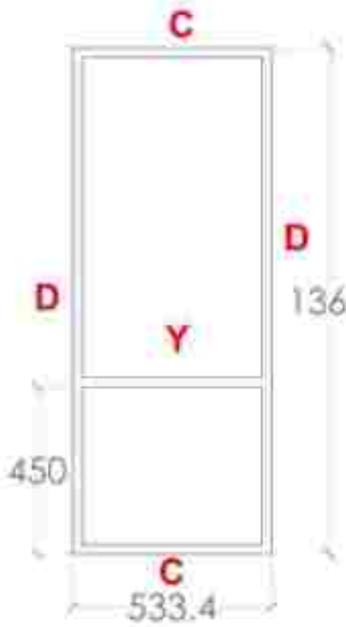
ELEVATION



MIDDLE SECTION



OUTER SECTION



ELEVATION

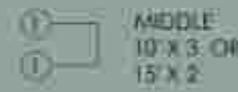
ELEVATION

ALUMNIUM SECTION CALCULATION

MIDDLE

X + Z = 9'+6'=15'

X+Y+Y = 9'+2'+2'=13'



OUTER

A+C+C = 6'+2'+2'= 10'

A+C+C = 6'+2'+2'= 10'

B = 9'

B = 9'

D+D = 4'6"+4'6" = 9'

D+D = 4'6"+4'6" = 9'

KEY PLAN

N

DRAWING CONTENT : PARTITION WALL CALCULATION	CHKD BY : N.B.N	SIGN AND STAMP	AVISHKAR GROUP
CLIENT NAME : AR. NITIN NAIK	DRN BY : VARUN . J		
	DATE : 25-10-2023		

Interior of office billing

Serial No.	Description	Material	Size	Quantity	Rate	Total
	Fabrication material					
1		L 25x4	18 ft	6no.	640	3840
2		F 20x4	18 ft	7no.	350	2450
3		Pipe 100x100x2	18 ft	1no.	3800	3800
4		Pipe 72x72x1.6	20 ft	5no.	1565	6260
5		Pipe 50x50x1.2	20ft	4no.	800	3200
6			5 ft	2no.	250	500
7		Pipe 25x25x1	18 ft	1no.	550	550
8		Angle 50x4	20 ft	1no.	1227	1227
9		Flat 50x5	50x5	1no.	491	491
10		khila		2 kg	220	220
11		holpas		3 kg	240	240
12		fastner	2.5 in 10 mm	29 no.	500	500
13		red oxide primer	1 ltr	2 no	150	300
14		turpentine		1 tin	150	150
15		brush	2 in	2no.	30	60
16		roller	2 in	1no.	50	50
17		H frame	6 ft	2no.	400x25 days	10,000
18	Labour charges for whole work					43,000
	Flex-o-board fitting					
1		Flex-o-board	6x4x12mm	6no.	953.38	5720.3
2		Flex-o-board	6x4x8mm	6no.	635.55	3813.5
3		Aerocon Panel	6x2x50mm	2no.	915.25	1830
4		Rubber roll		2 roll	211.86	211.9
5		jointing compound		1 kg	101.7	101.7
6		bitumen roll		1 roll	550.8	550.8
7		Skrew	1 in	1 box	400	400
8		Skrew	3/4 in	1 box	400	400
9		fevicol	250 gm	1 no	250	250
10		screw	100x10	1 doz	60	60
11		nails	2 in	0.50kg	160	80
12		screw (ss)	25x6	3 doz	30	90
13		screw	19x6	3 doz	10	30
14		drill concrete		1 no	65	65
15		nails		0.2kg	200	40
16	Labour charges for whole work					25000
	Construction and demolition					
1		Bricks	230x110x75	350no.	9	3150
2		Dust		1 tempo	4180	4180
3		cement birla super		25	350	8750
4		demolition dump tempo			8000	8000
5	Labour charges for whole work					
6		demolition charges			18000	18000
7		construction charges			12000	12000
	Plumbing material					
1		Pipe pvc	50 mm	2 no	220	440
2		elbow pvc	50 mm	5 no	40	200
3		solution cpvc	50 ml	1 no	40	40
4		mta upvc		1 no	80	80
5		mseal	100 gms	1no	30	30
6		pipe upvc	3/4 in	1 no	45	45
7		reducer socket upvc	1/2 in	1 no	30	30
8		Tee upvc	1/2 in	1 no	70	70
9		Fta upvc brass		2 no	70	70
10		elbow upvc	1/2 in	4 no	10	40
11		shoe upvc	1/2 in	4 no	15	60
12		Y fusion longbody bibcock		1 no	1050.9	1050.9
13		1.25 collapsible pipe		1 no	60	60
14		pvc floor trap		1 no	50	50
15		solo wall hung set		1 no	10,640	10,640
16		flush tank		1 no	3428	3428
17		chair bracket adj		1 no	805	805
18		loft tank	500 ltr	2 no	2250	4500
19		nirali sink		1 no	2653	2653
20	labour charges for whole work					17000
	Tiles material					
1		office flooring tiles	48x24	15 box	65	23400
2		pantry wall tiles	48x24	2 box	68	3264
3		black toilet tiles	24x24	2 box	60	1440
4		wall toilet tiles	48x24	8 box	65	12480
5		chemical bag	25 kg	27no.	900	24300
6		steel grey granite	109x37			
7			110x37	84.5 sqft	65	5487
8		telephone black	108x32	24 sqft	150	3600
9		Kadappa	59x23	10 sqft	45	450
10		araldite	180 gms	1 no	465	465
11		fevikwick	20 ml	3 no	80	80
12		roller	5 in	1 no	70	70
13		araldite	450 gms	1 no	1050	1050
14		groute	1 kg	5 no	70	350
15		floor cleaner		1 no	150	150
16	labour charges for whole work					43000
	Electrical material					
1		electrical wire	1 mm	20 sqmt	16	320
2			2.5mm	20 sqmt	30	600
3		polycab wire	1 mm	6 bundle	1020	6120
4			4 mm	1 bundle	3550	3550
5		flexible pipe	2.5 mm	2 mtr	10	10
6		electrical pipe		10 no.	35	350
7		tape		4 no	10	40
8		bend	25 mm	7 no	10	70
9		flexible pipe	1/2 in	2.5 mtr	20	20
10		metal box	16 model	1 no.	80	80
11			4 model	2 no.	30	60
12		atomberg fan	3 ft	2 no.	3400	6800
13		switch board plate	9 model	4 no	484	1064
14			6 model	4 no	127	508
15			2 model	2 no.	59	118

N

DRAWING CONTENT :
BILLING OF THE PROJECT

CLIENT NAME :
AR. NITIN NAIK

CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 21-10-2023

SIGN AND STAMP

AVISHKAR GROUP

16			16 model	1 no.	230	230
17			3 model	2 no.	75	150
18			4 model	1 no.	87	87
19			5 model	3 no	180	540
20			7 model	2 no.	207	414
21		Gang box	3 model	1 no.	55	55
22		switch 2 way	6 Amp	8 no	77.63	621
23		5pin socket	6 Amp	26 no	92.96	2417
24		1 way switch W/IND 1M	16 Amp	2 pc	106	212
25		soc W/SHUTTER	6x16A	1 no.	124	248
26		Aura blank plate		15 no	20.93	314
27		switch 1 way	6 Amp	6 no	45	270
28		1 way switch W/IND 1M	16 Amp	3 no	116	348
29		soc W/SHUTTER	6x16A	4 no	140.75	563
30		DP Switch IND	32 Amp	1 no.	542	542
31		switch 1 way	6A	34 no.	35	1190
32		socket 2/3 pin	6 Amp.	12 no.	305	2013
33		usb connector	1 model	3 no.	820	1353
34		surface profile	17mm(black)	6 mtr.	140	840
35		concealed profile	17mm(grey)	4 mtr.	35	140
36		magnetic series track surface	1 mtr.	5 no.	800	4000
37		magnetic series track surface	2 mtr.	1 no.	1600	1600
38		magnetic series spot light	12 watt	16 no.	600	9600
39		magnetic series driver inbuild	100 watt	6 no.	900	5400
40		magnetic series track spot	12 watt	2 no.	1000	2000
41		chandelier		1 no.	4000	4000
42		picture lights	12 watt	3 no.	1050	3150
43		vibe lite wifi power switch	32A 2M	1 no.	2600	2600
44		vibe wifi tourse		1 no.	2600	2600
45		fan step regulator	2 M	2 no.	273	546
46		usb charger	1 M	2 no.	462	924
47	labour charges for whole work					20000
	Furniture material					
1		gurgam plywood	8x4 (18mm)	10no	70/sqft	22400
2			8x4 (12mm)	2no	55/sqft	3520
3			8x4(6mm)	3no	35/sqft	3360
4			7x3(18mm)	2 no	65/sqft	2709
5		mdf board	8x4(4 mm)	3no	16/sqft	1536
6		lipping patti	1x1/2	running ft	11 running/ft	3300
7		charcoal sheet	8x4	2 no	6400	12800
8		laminate off white	8x4	12 no.	450	5400
9		fiaccflex ultramarine		20 no.	195	3900
10		heata	250 ml	1 no.	160	160
11		nails	17no	0.25 kg	50	50
12		nails	17no	0.25 kg	60	60
13		chain	11/2"	4 no	20	80
14		magnet		4 no.	20	80
15		rawal plug	6 mm	3 no	20	60
16		abrotape		4 roll	440	440
17		hole saw cutter set		1 no.	220	220

18		screw	32x8	4 no.	2.5	10
19		screw	38x8x5.5	2 doz	172	172
20		screw	75x10x5.5	5 doz	600	600
21		screw	75x8	2 doz	120	120
22		abrotape		7 roll	150	1050
23		abrotape		2 no	30	60
24		rawal plug		1 no	30	30
25		rawal plug	35*10	1 no.	50	50
26		screw	75x10	3 doz	60	180
27		screw	60x10	3 doz	48	144
28		nails	19 no	0.50 kg	120	120
29		nails	3/4 in	1 kg	150	150
30		nails	2x14	1.50 kg	160	200
31		nails	17 no	0.75 kg	160	120
32		screw	13x6(s/s)	6 doz	0.68	48.96
33		screw	25x6(star s/s)	4 doz	1.28	61.44
34		fevicol marine		7 kg	200	1400
35		fastner	3/4 in	4 doz	15	60
36		drawer channel	14 in	4 pair	479	1245
37		w hinges	12 mm	8 no	363	1887
38		profile handle rosegold	8 in	2 no	80	160
39			10 in	2 no	100	200
40			24 in	1 no	480	480
41		polish paper	0 no,5 no	2 no	15	30
42		hammer	6*160	1 no.	50	50
43		cable organizer	60 mm	2 no	208	416
44		computer keyboard tray	KTE1-35	4 no.	958	3832
45		electric box	Ebs105C1	1 no	4000	4000
46		computer keyboard tray	KBTM	2 no	1508	3016
47		w hinges	8 mm	8 no	277	1440
48		cutting wheel	4*1	5 no.	15	75
49		cutting wheel	5*	1 no.	280	280
50		screw ss	19*6	10 doz.	15	150
51		screw	19x6	300 no.	240	240
52		screw	16x6	150 no.	130	130
53		screw	25x6	50 no.	40	40
54		screw	60x2	100 no.	200	200
55		butt hinges	4x3/4x3/4	8 no.	90	720
56		auto hinges	0 crank	19no.	135	2565
57		auto hinges	8 crank	11no.	135	1485
58		chairs		19 no.	2500	47500
59	labour charges for whole work					46000
	Miscellaneous					30000
		Total cost of work				629908.5

N

DRAWING CONTENT :
BILLING OF THE PROJECT

CLIENT NAME :
AR. NITIN NAIK

CHKD BY : N.B.N

DRN BY : VARUN . J

DATE : 21-10-2023

SIGN AND STAMP

AVISHKAR GROUP

Project Description-

The Job was to Design a floor plan of 2 bhk Residential Building.

Site Details-

Private property land
Area- 514.67 sq mt.

Building Type-

Residential Building.

Client Description-

RIVIERA SOCIETY

Work Status -

Working on client meetings and discussions.

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Pinak Naik , **Principal Architect**
Ar. Yogesh Kamblay , **Senior Architect**

Challenges Faced-

It was my first time designing a floor plan of builing so i was unaware of the rules and regulation described in the building laws book(UDCPR).

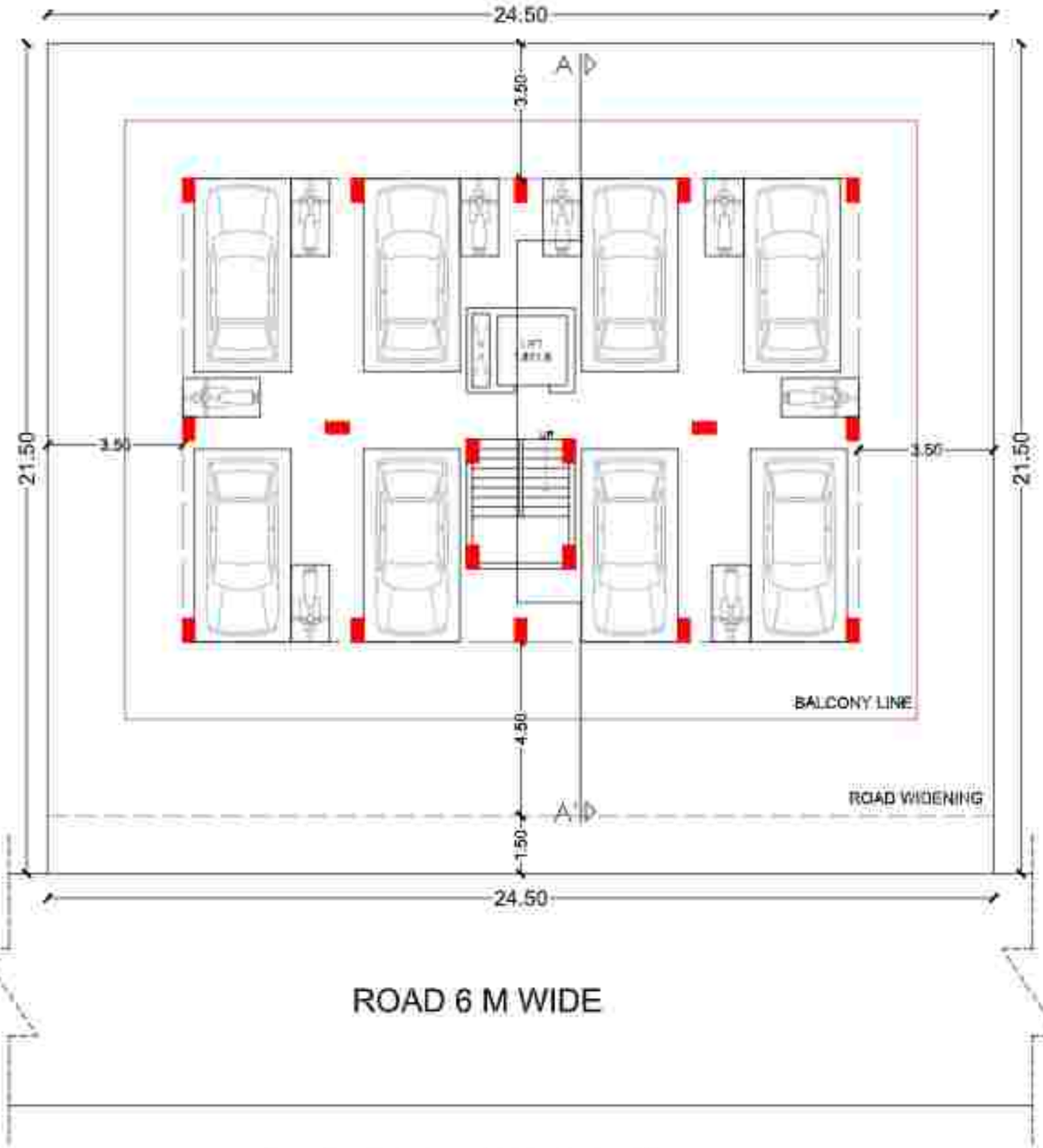
My Task-

* To design 2 bhk floor plan.
*Parking floor plan.
*To calculate the area of the designed floor plan.
*To calculate the area statement of the plot.

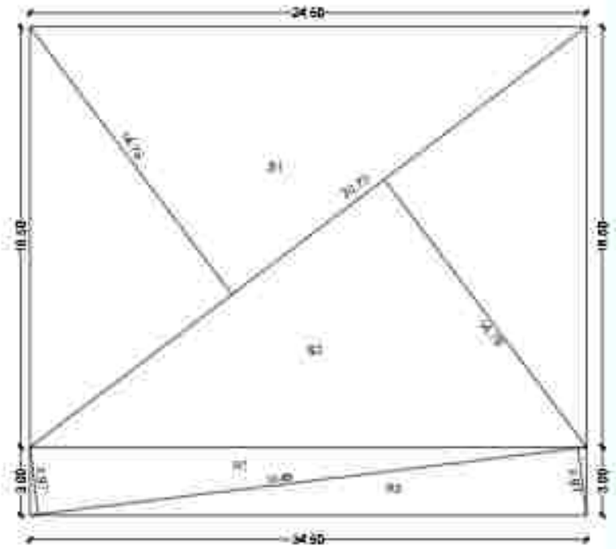
What I Learnt From This Project -

*Understood space planning and designing floor plates for multiple residential flats and connectivity.
*Utilising of maximum built-up area and consumption of FSI to the fullest.
*Understood aspects of building services for a residential building and planning spaces considering those all.
*Technical aspects of building design, column and beam layouts and projections.
*Basic bye-laws for designing a building.
*Calculating the area statement of the plot

PLANNING OF RESIDENTIAL BUILDING



PARKING&GROUND FLOOR PLAN



SITE AREA CALCULATION

PLOT AREA CALCULATION

R1- 0.50X24.68X2.97=36.64

R2- 0.50X24.68X2.97=36.64

S1- 0.50X30.70X14.76=226.56

S1- 0.50X30.70X14.76=226.56

AREA STATEMENT

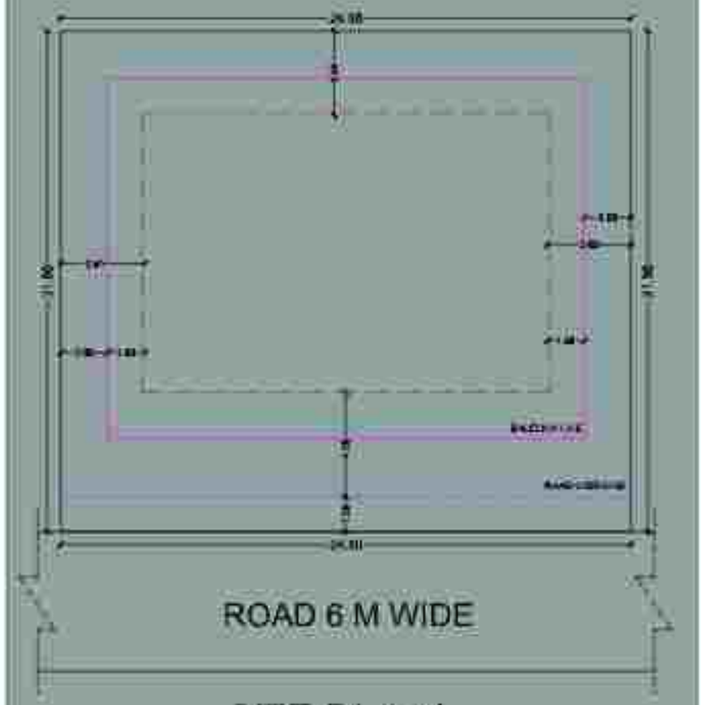
AREA OF PLOT =514.67 SQM.

BASIC FSI (1.1X514.67) =566.137 SQM.

TENAMENT =10X15=150 SQM.

ANCILLARY(60)(566.137+150X0.6) =429.68 SQM.

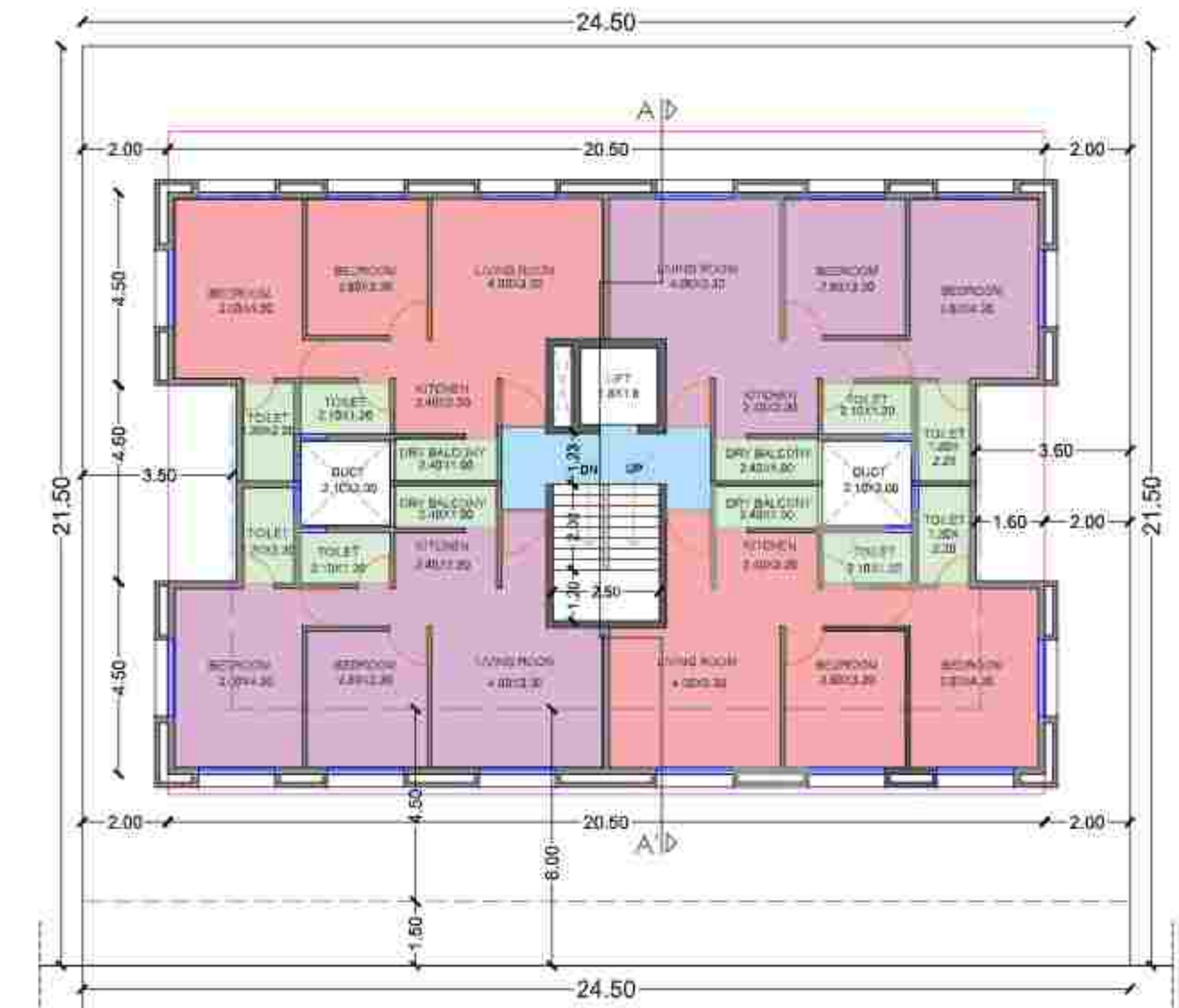
TOTAL PERMISSIBLE FSI =1145.81 SQM.



SITE PLAN

N	DRAWING CONTENT : RESIDENTIAL APARTMENT FLOOR PLAN	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : RIVIERA SOCIETY	DRN BY : VARUN . J	
		DATE: 27-09-2023	

AVISHKAR GROUP



ROAD 6 M WIDE

FIRST,SECOND,THIRD&FOURTH
TYPICAL FLOOR PLAN

AREA STATEMENT

AREA OF PLOT =514.67 SQM.

BASIC FSI (1.1X514.67) =566.137 SQM.

TENAMENT =10X15=150 SQM.

ANCILLARY(60)(566.137+150X0.6) =429.68 SQM.

TOTAL PERMISSIBLE FSI =1145.81 SQM.

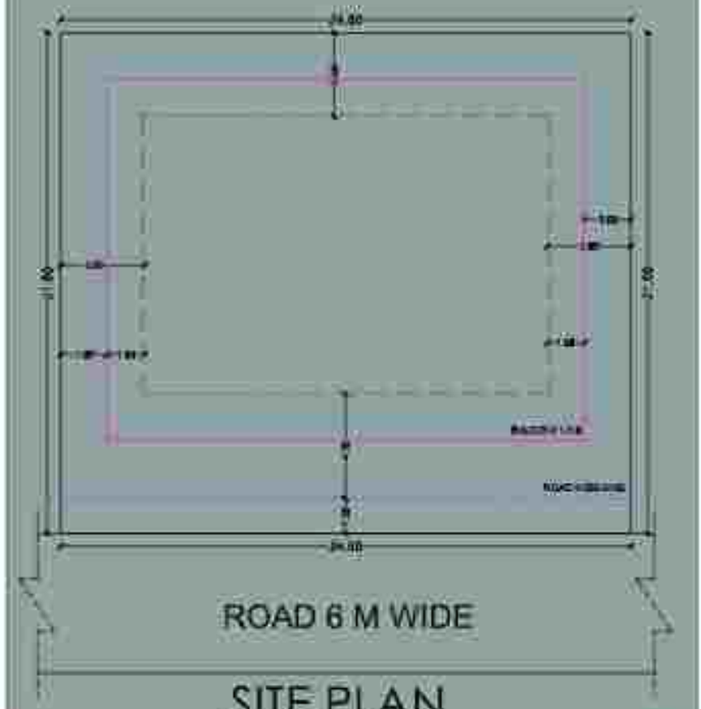
PROPOSED FSI

TYPICAL FLOOR(1ST,2ND,3RD,4TH) = 251.59 SQM.

TOTAL = 1006.36 SQM.

5 TH FLOOR=136.67 SQM.

TOTAL PROPOSED FSI = 1143.03 SQM.



SITE PLAN

DRAWING CONTENT :
RESIDENTIAL APARTMENT FLOOR PLAN

CLIENT NAME :
RIVIERA SOCIETY

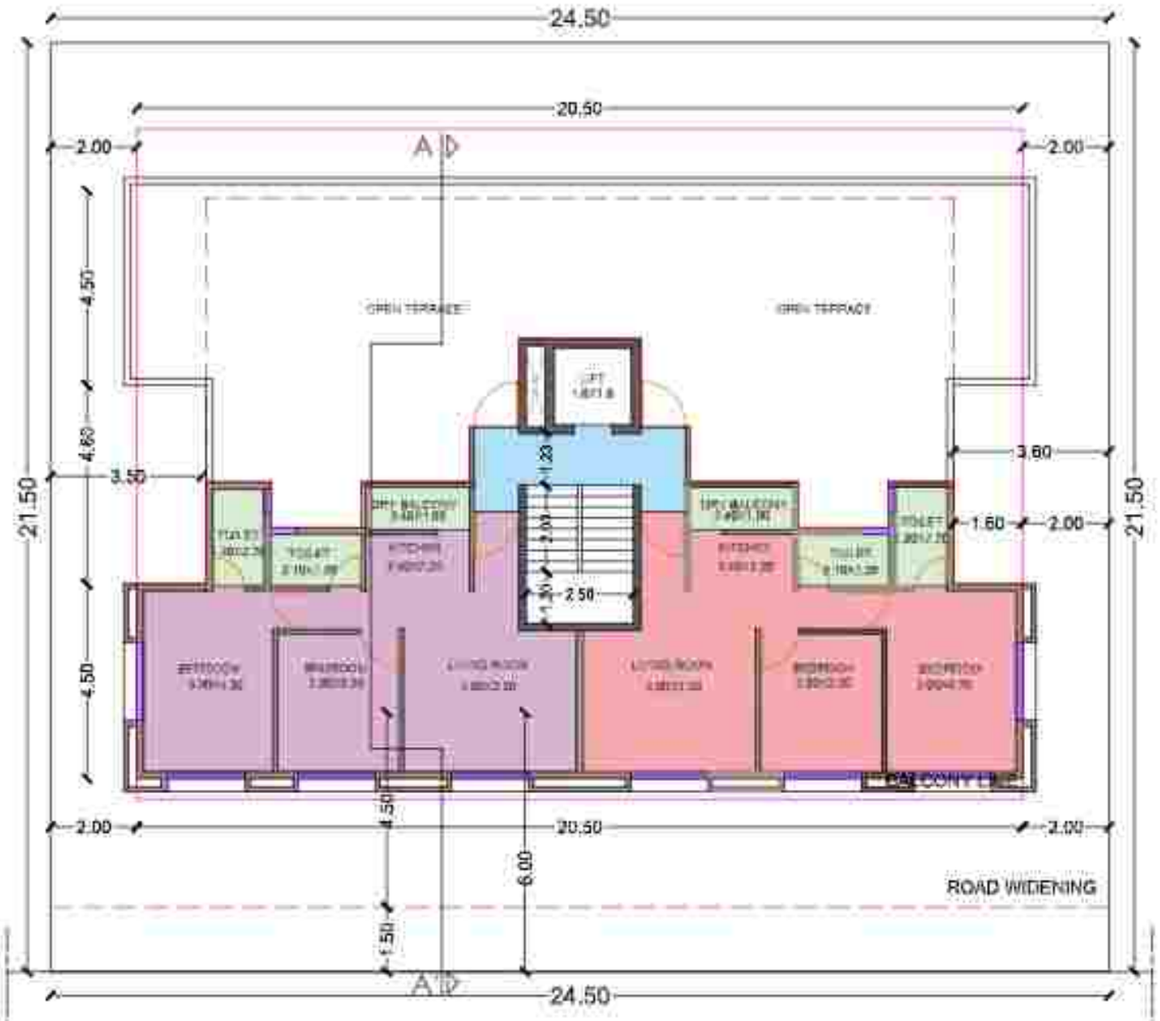
CHKD BY : N.B.N

DRN BY : VARUN . J

DATE: 27-09-2023

SIGN AND STAMP

AVISHKAR GROUP

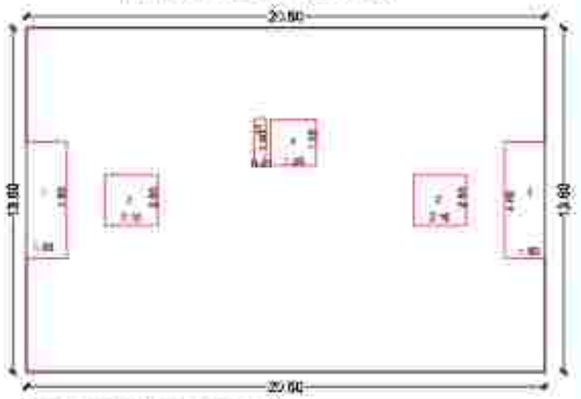


ROAD 6 M WIDE

FIFTH FLOOR PLAN

FLOOR AREA CALCULATION

TYPICAL FLOOR BLOCK

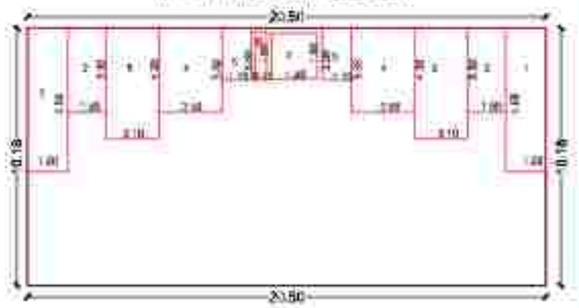


BLOCK-20.50X13.60=278.8 SQM.
DEDUCTIONS
1) 1.60X4.60X2 =14.72 SQM.
2) 2.10X2.00X2 =8.4 SQM.
3) 0.45X1.90 = 0.85 SQM.
4) 1.80X1.80 = 3.24 SQM.

TOTAL DEDUCTION	=27.21 SQM.
278.80-27.21	= 251.59 SQM.

TOTAL BUILD AREA = 251.59 SQM.

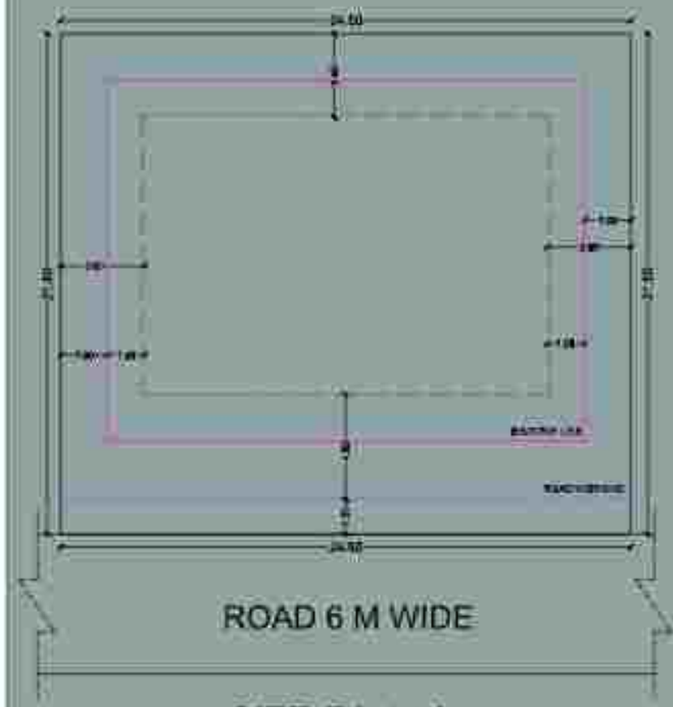
FIFTH FLOOR BLOCK



BLOCK-20.50X10.18=208.69 SQM.
DEDUCTIONS
1) 1.60X5.68X2 = 18.17 SQM.
2) 1.50X3.30X2 =9.90 SQM.
3) 2.10X4.38X2 = 18.39 SQM.
4) 2.50X3.30X2 = 16.5 SQM.
5) 1.15X2.05X2 =4.71 SQM.
6) 0.45X1.90 = 0.85 SQM.
7) 1.80X1.80 = 3.24 SQM.

TOTAL DEDUCTION	=71.76 SQM.
208.69-71.76	= 136.93 SQM.

TOTAL BUILD AREA = 136.93 SQM.



SITE PLAN

N

DRAWING CONTENT :
RESIDENTIAL APARTMENT FLOOR PLAN

CLIENT NAME :
RIVIERA SOCIETY

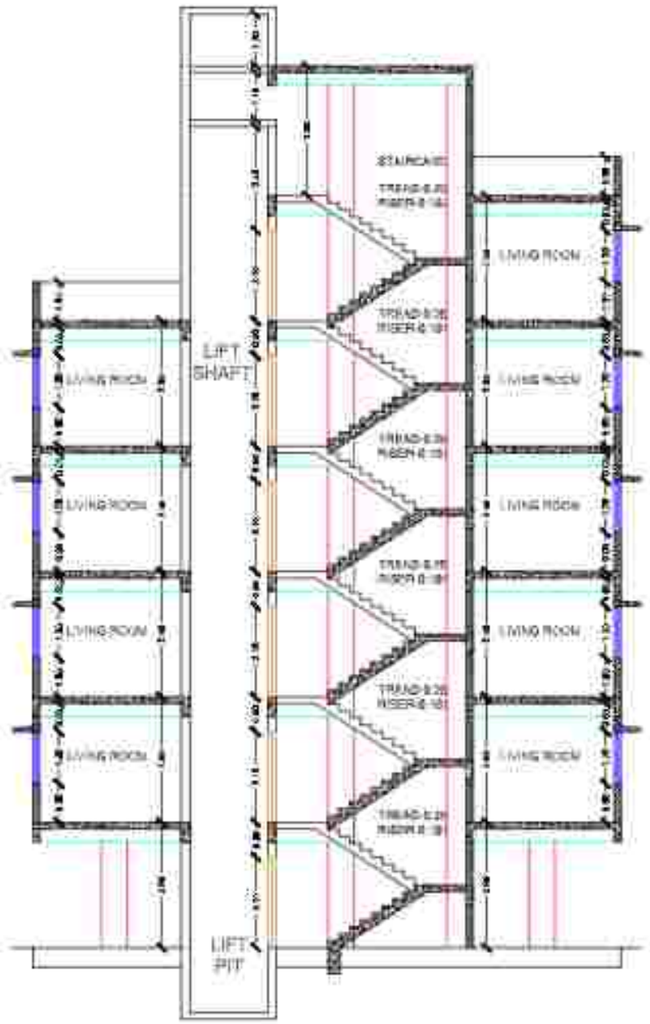
CHKD BY : N.B.N

DRN BY : VARUN . J

DATE: 27-09-2023

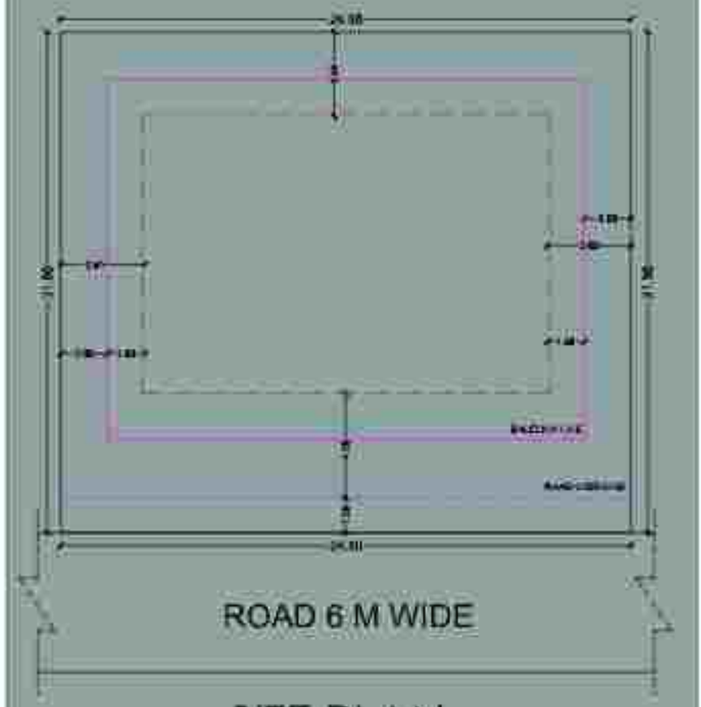
SIGN AND STAMP

AVISHKAR GROUP



SECTION AA'

FRONT ELEVATION



SITE PLAN

N	DRAWING CONTENT : RESIDENTIAL APARTMENT SECTION & ELEVATION	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : RIVIERA SOCIETY	DRN BY : VARUN . J	AVISHKAR GROUP
		DATE: 27-09-2023	

Project Description-

The Job was to Design a floor plan of 3 bhk and commercial space for the Commercial & Residential Building.

Site Details-

Private property land
Area- 511.50 sq mt.

Building Type-

Commercial & Residential Building.

Client Description-

SANYOG CO-OP HOUSING SOCIETY

Work Status -

Working on client meetings and discussions.

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Pinak Naik , **Principal Architect**
Ar. Yogesh Kamblay , **Senior Architect**

Challenges Faced-

It was my first time designing a floor plan of builing so i was unaware of the rules and regulation described in the building laws book(UDCPR).

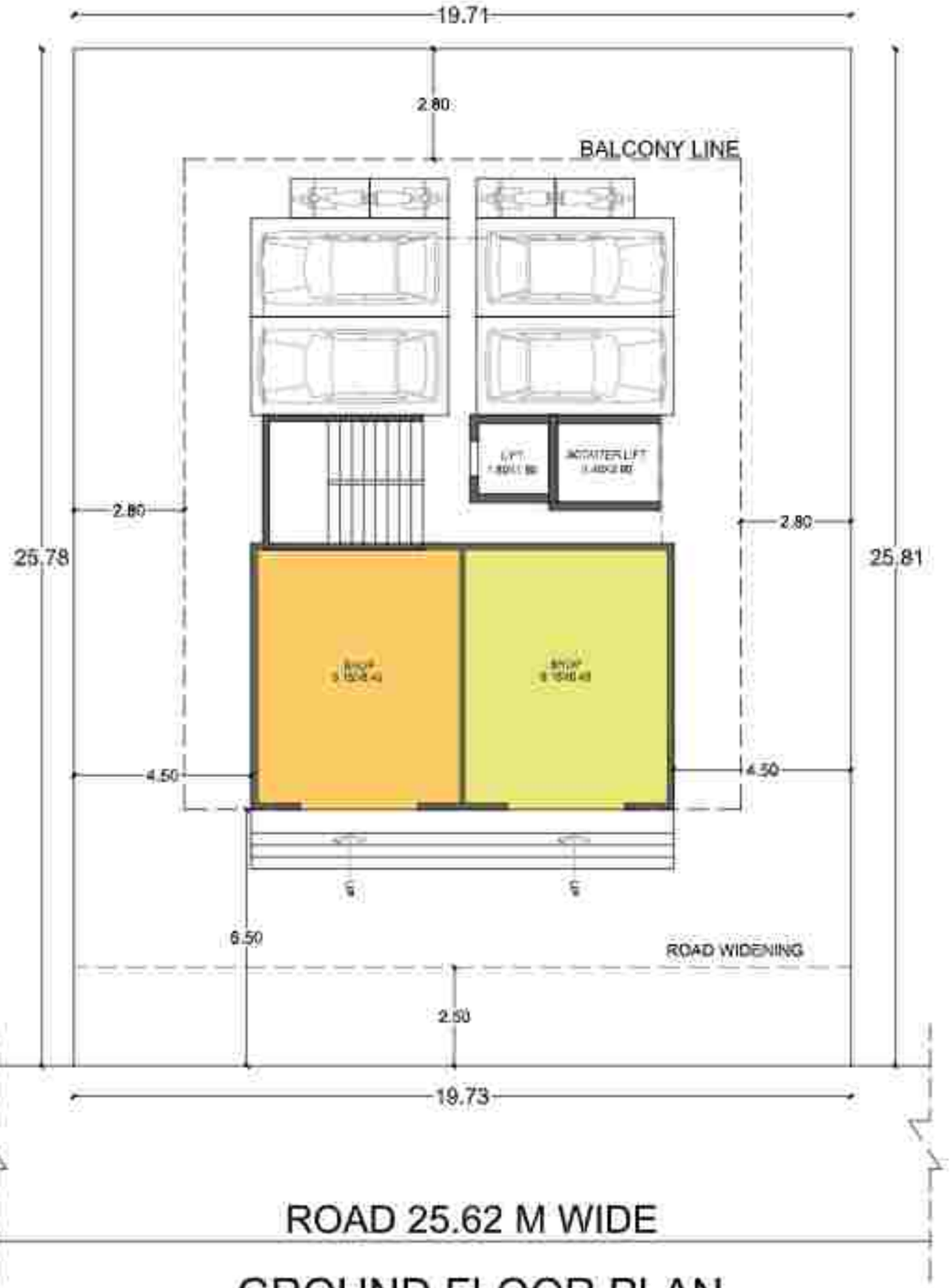
My Task-

* To design 3 bhk floor plan.
*To design commercial floor plan
*Parking floor plan.
*To calculate the area of the designed floor plan.
*To calculate the area statement of the plot.

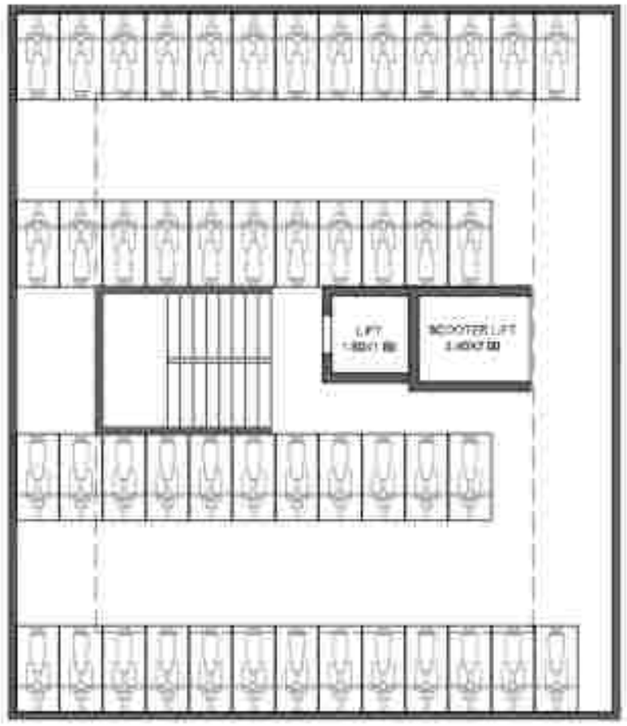
What I Learnt From This Project -

*Understood space planning and designing floor plates for multiple residential flats and connectivity.
*Utilising of maximum built-up area and consumption of FSI to the fullest.
*Understood aspects of building services for a residential building and planning spaces considering those all.
*Technical aspects of building design, column and beam layouts and projections.
*Basic bye-laws for designing a building.
*Calculating the area statement of the plot

PLANNING OF COMMERCIAL AND RESIDENTIAL BUILDING



GROUND FLOOR PLAN



PARKING FLOOR PLAN

AREA STATEMENT

GROSS PLOT AREA = 511.50 SQ.M

ROAD WIDENING AREA =49.32 SQ.M

NET PLOT AREA = 511.50 - 49.32 = 462.17 SQ .M

A) BASIC FSI (1.10 X462.17) = 508.39 SQ.M

B) PAID FSI = 0.50

C) TDR = 1.40

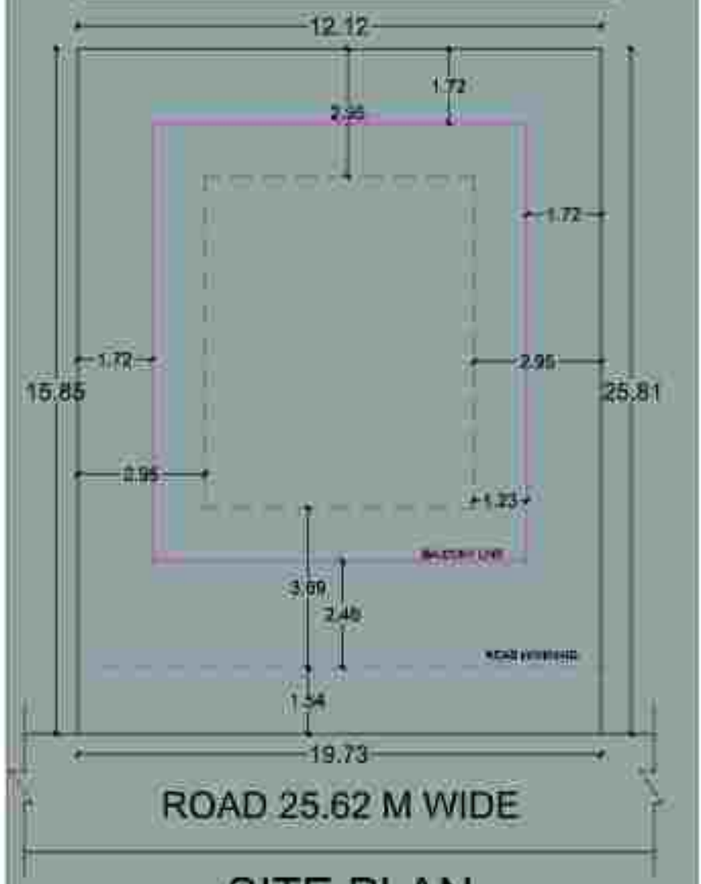
D) ROAD WIDENING = 49.32 SQ.M

TOTAL = 1480.24 SQ.M

D) ANCILLARY (60%) = (0.6 X1480.24) = 88.15 SQ.M

E) TENAMENT (15 SQMT) = (6x15) = 90 SQ.M

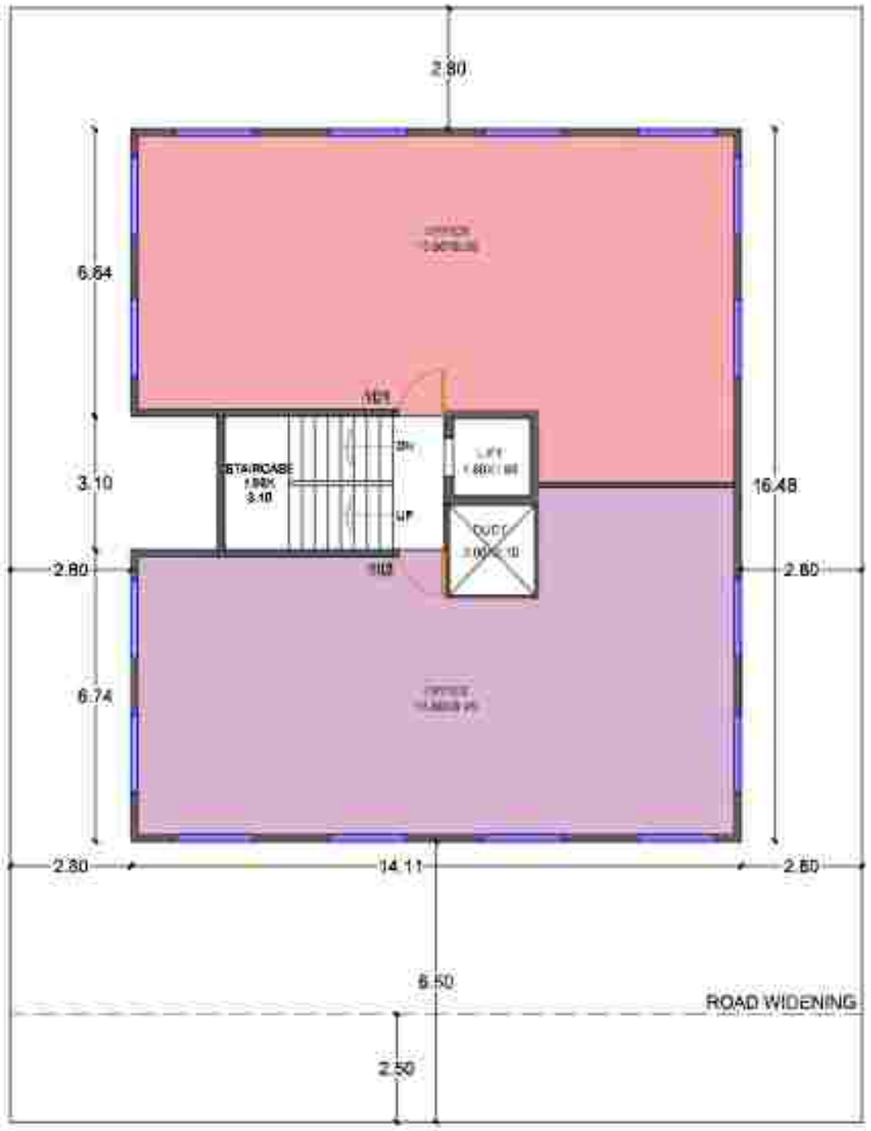
TOTAL PERMISSIBLE F.S.I = 2512.39 SQ.M



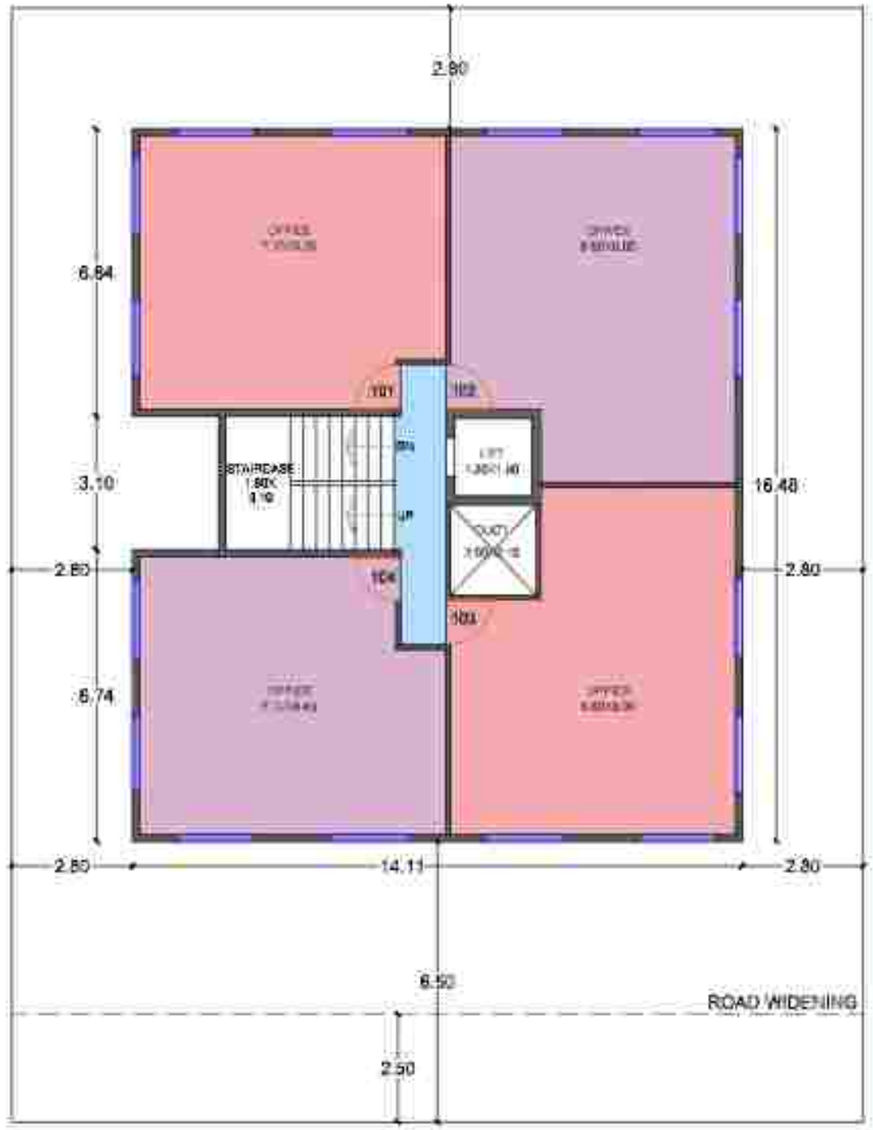
SITE PLAN

N	DRAWING CONTENT : RESIDENTIAL & COMMERCIAL APARTMENT FLOOR PLAN	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : SANYOG CO-OP HOUSING SOCIETY	DRN BY : VARUN . J	AVISHKAR GROUP
		DATE: 19-07-2023	

OPTION 1



OPTION 2



AREA STATEMENT

OPTION 1

101 AREA - 95.38 SQMT 1026.66 SQFT

102 AREA - 94.10 SQMT 1012.88 SQFT

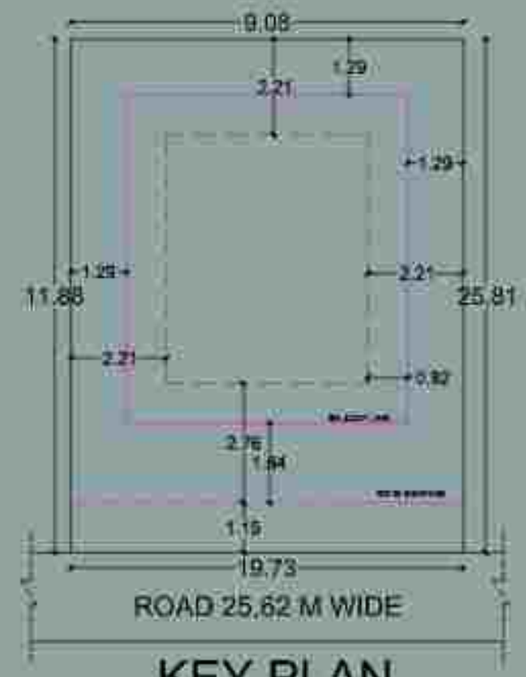
OPTION 2

101 AREA - 43.79 SQMT 471.35 SQFT

102 AREA - 49.67 SQMT 534.64 SQFT

103 AREA - 47.79 SQMT 514.40 SQFT

104 AREA - 43.35 SQMT 466.61 SQFT



KEY PLAN

FIRST FLOOR PLAN (OFFICE FLOOR PLAN)

N

DRAWING CONTENT :
RESIDENTIAL & COMMERCIAL APARTMENT
FLOOR PLAN

CLIENT NAME :
SANYOG CO-OP HOUSING SOCIETY

CHKD BY : N.B.N

DRN BY : VARUN . J

DATE: 19-07-2023

SIGN AND STAMP

AVISHKAR GROUP

ROAD 25.62 M WIDE

SECOND,THIRD,FOURTH&FIFTH
TYPICAL FLOOR PLAN

AREA STATEMENT
TOTAL AREA - 93.57 SQMT 1007.17 SQFT

AREA STATEMENT
TOTAL AREA - 92.84 SQMT 999.32 SQFT

AREA STATEMENT
GROSS PLOT AREA = 511.50 SQ.M
ROAD WIDENING AREA =49.32 SQ.M
NET PLOT AREA = 511.50 - 49.32 = 462.17 SQ .M
A) BASIC FSI (1.10 X462.17) = 508.39 SQ.M
B) PAID FSI = 0.50
C) TDR = 1.40
D) ROAD WIDENING = 49.32 SQ.M
TOTAL = 1480.24 SQ.M
D) ANCILLARY (60%) = (0.6 X1480.24) = 88.15 SQ.M
E) TENAMENT (15 SQMT) = (6x15) = 90 SQ.M

TOTAL = 2512.39 SQ.M

KEY PLAN

N

DRAWING CONTENT : RESIDENTIAL & COMMERCIAL APARTMENT FLOOR PLAN	CHKD BY : N.B.N	SIGN AND STAMP	AVISHKAR GROUP
CLIENT NAME : SANYOG CO-OP HOUSING SOCIETY	DRN BY : VARUN . J DATE: 19-07-2023		

Project Description-

The Job was to create a centerline plan for the G+3 apartment building.

Site Details-

Private property land
Area- 294.52 sq mt.

Building Type-

Individual Private Bungalow

Client Description-

Mr. Nandmohan Salunke

Work Status -

Completed

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Yogesh Chambley , **Senior Architect**
Ar. Smita Pawar , **Junior Architect**

Challenges Faced-

It was my first time creating a centerline plan of a G+3 appartment building.So i was unaware of the necessary elements to be included in the drawings.

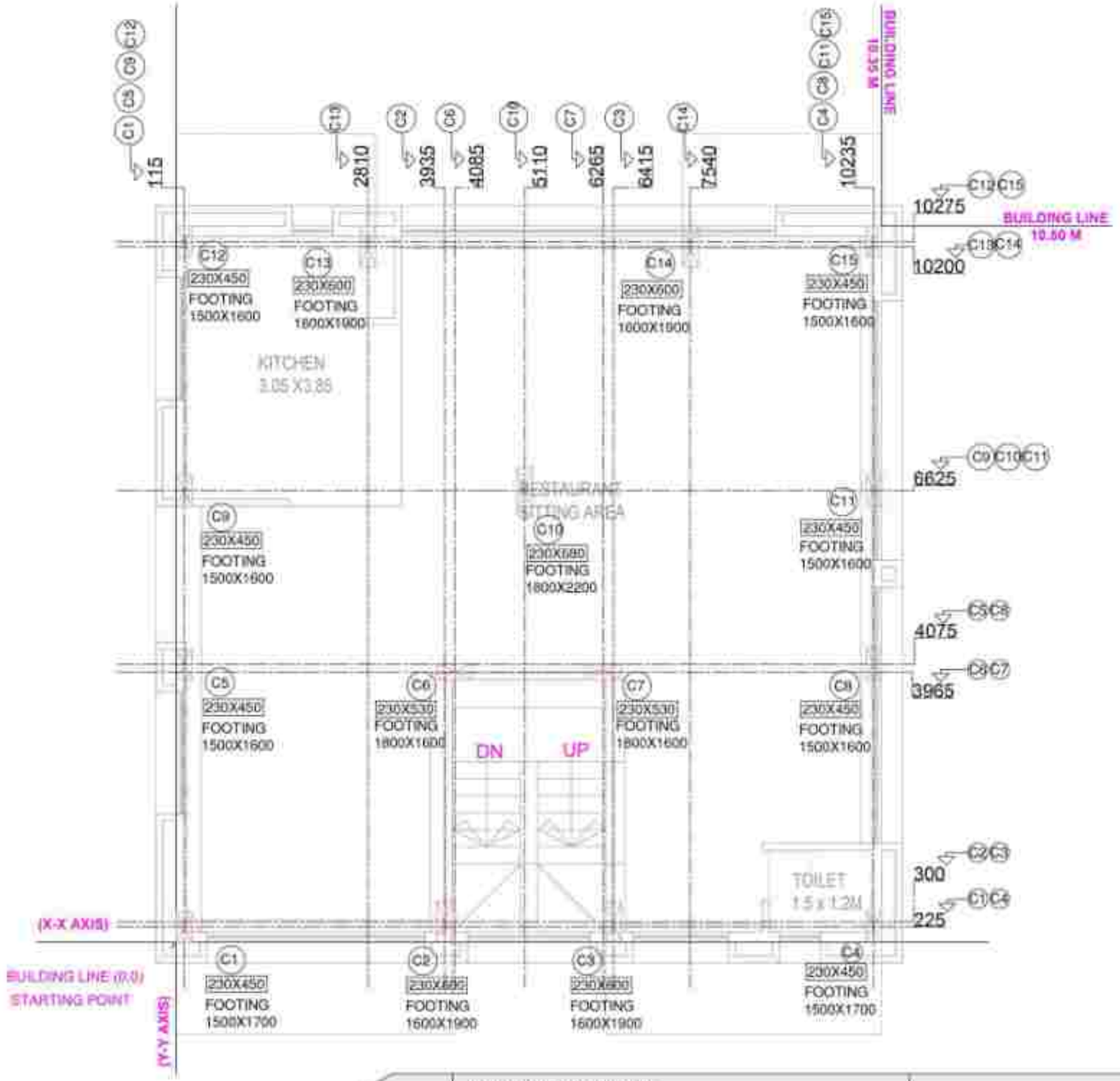
My Task-

*Creating of centerline (Plan).
*To send final plans to Structural Engineer.
*Coordinating with the Structural Engineer for the layout of column.
*To overlap the column postions sent by structural engineer on the plan to see no problem in the plan because of columns.

What I Learnt From This Project -

*To give all necessary elements in centerline drawing for on site construction.
*To check the measurements are given correct.
*To check the column sizes are given correct as per the measurements.
*To give notes for the reference of the drawings.

CENTRE-LINE PLAN



NOTES :-

* WRITTEN DIMENSIONS TO BE FOLLOWED.
* DRAWING SHOULD NOT BE MEASURED ON SCALE.
* ANY DISCREPANCY IN THE DRAWING SHOULD BE BROUGHT TO THE NOTICE OF THE CONCERNED PERSON.
* CENTERLINE TO BE VERIFIED ON THE SITE BY THE CONCERNED PERSON BEFORE CASTING.
* THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE R.C.C DRAWING.
* RETAINING WALL SHOULD BE CASTED ON THE EASTERN SIDE FROM COLUMN NUMBER C1 TO C12 AND ON SOUTH SIDE FROM COLUMN C12 TO C14.
* IF REQUIRED RETAINING WALL ON THE NORTH SIDE FROM C1 TO C4 AS PER THE SITE CONDITION.
* ANY BACK FILL ON THE SITE SHOULD BE REMOVED BEFORE THE EXECUTION OF NEW WORK.
* COLUMNS FOOTING SHOULD REST ON THE HARD STRATA AFTER THE VERIFICATION BY THE CONCERNED PERSON.
* ALL THE MEASUREMENTS ARE FROM UNFINISHED SURFACE TO UNFINISHED SURFACE.
* SETBACKS/SIDE MARGINS TO BE TALLIED WITH THE DRAWING.
* CONCRETE MIXES SHOULD BE STRICTLY AS PER MENTIONED IN THE R.C.C DRAWING.
* RETAINING WALL OF 150 MM IS ADVISIBLE.

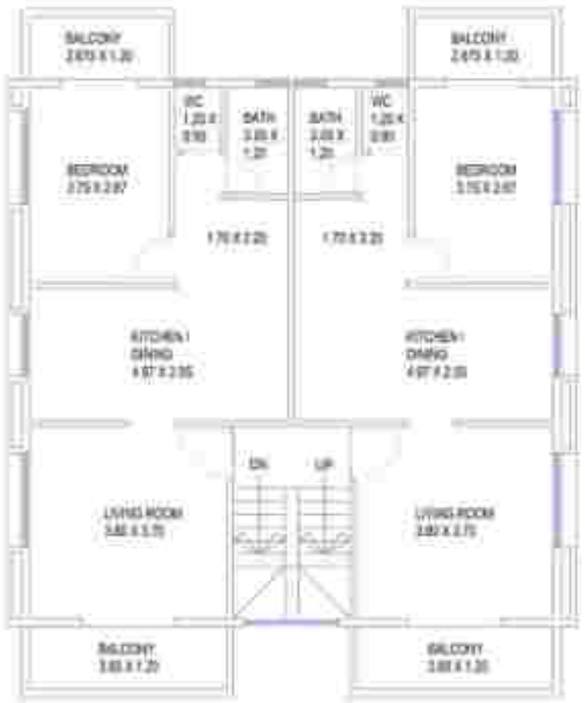
KEY PLAN

N

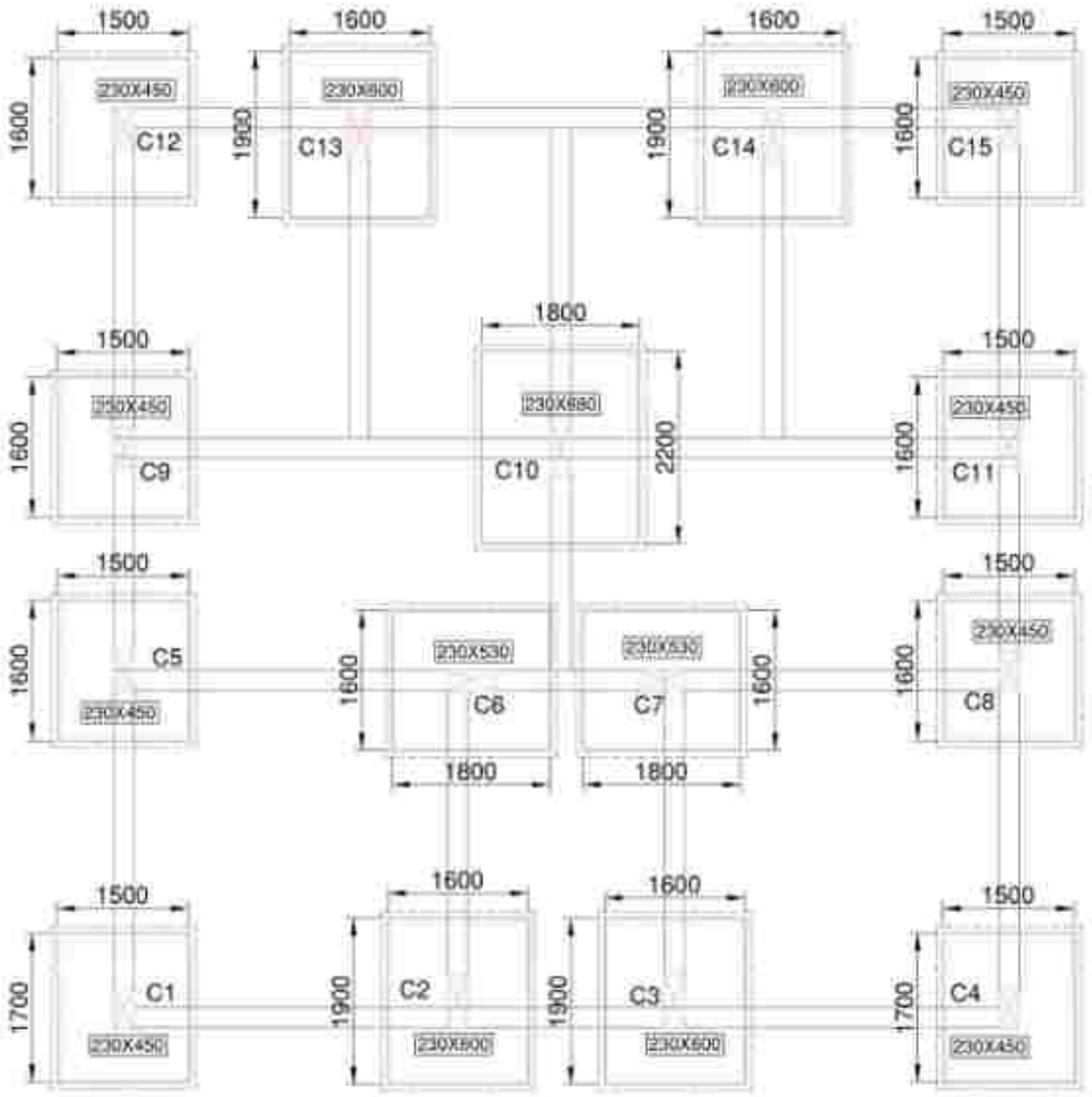
DRAWING CONTENT : CENTRE-LINE PLAN	CHKD BY : N.B.N	SIGN AND STAMP
CLIENT NAME : MR. SALUNKE	DRN BY : VARUN . J DATE : 10-09-2023	

AVISHKAR GROUP

GROUND FLOOR PLAN



FIRST,SECOND,THIRD TYPICAL FLOOR PLAN



STRUCTURAL LAYOUT OF COLUMN AND FOOTING

Plans:

The plans were created in the firm and finalised by the client then the plans were sent to the structural engineer for the columns and footing.

Structural layout:

The structural layout of column and footing is created by the structural engineer firm they have gave the whole detail of the column and footing details.

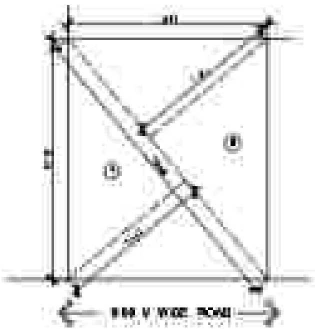
N

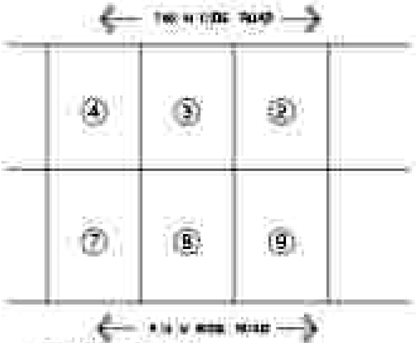
DRAWING CONTENT : STRUCTURAL LAYOUT AND FLOOR PLANS	**CHKD BY : N.B.N**	**SIGN AND STAMP**	AVISHKAR GROUP
CLIENT NAME : MR. SALUNKE	**DRN BY : VARUN . J**		
	DATE : 10-09-2023		

AREA STATEMENT

FLOOR	BUILT-UP AREA (SQ.M.)
FIRST FLOOR	117.00
SECOND FLOOR	107.81
THIRD FLOOR	117.00
FOURTH FLOOR	107.81
TOTAL AREA	449.62

REGULAR [illegible] — ANCILLARY [illegible]





SITE PLAN

LOCATION PLAN

PLOT AREA CALCULATIONS :

PLOT AREA CALCULATION

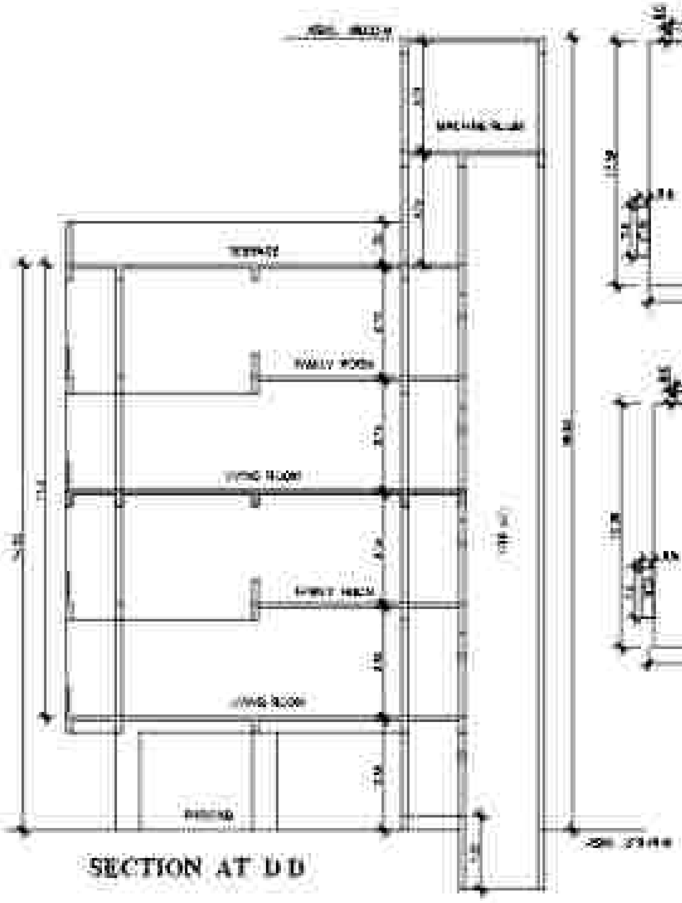
PLOT NO. - 8

TOTAL = 279.10 SQ.M.

NET AREA OF THE PLOT = 279.10 SQ.M.

WATER CALCULATION

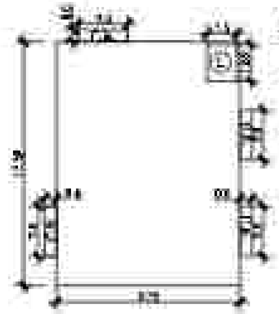
ELEVATION



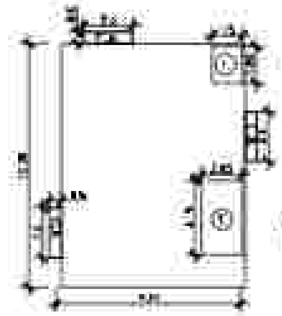
SECTION AT D D

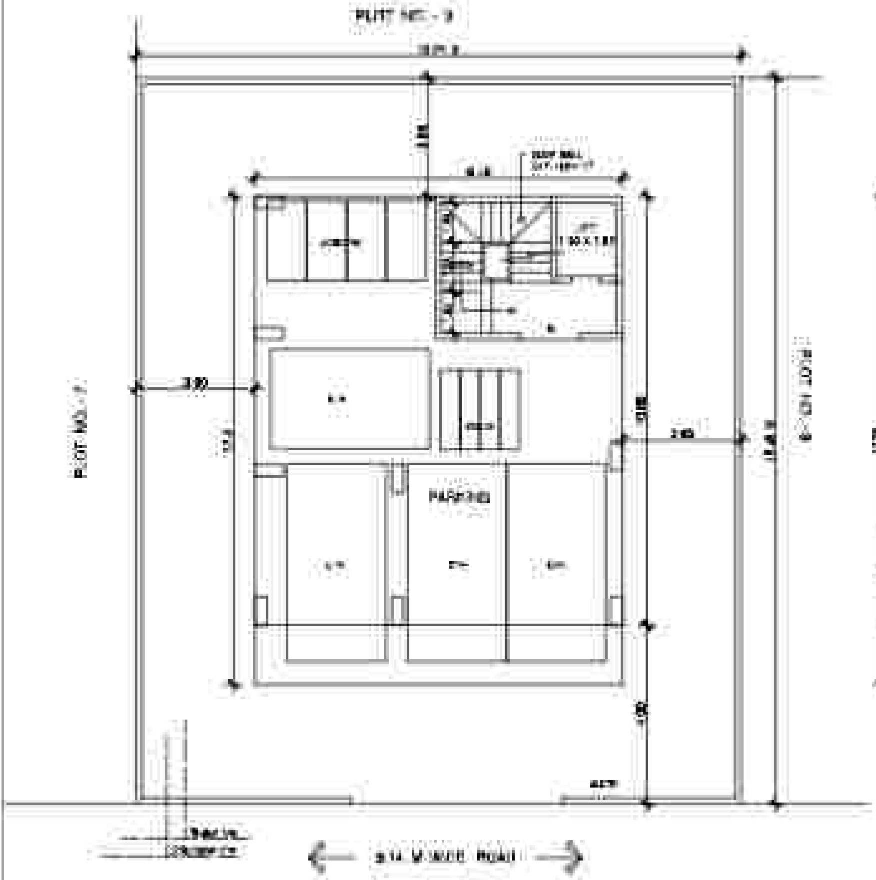
AREA CALCULATIONS

FIRST AND THIRD FLOOR BUILT-UP AREA

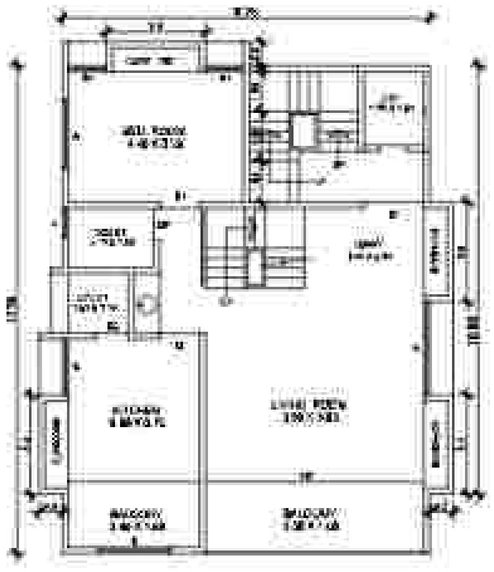


SECOND AND FOURTH FLOOR BUILT-UP AREA

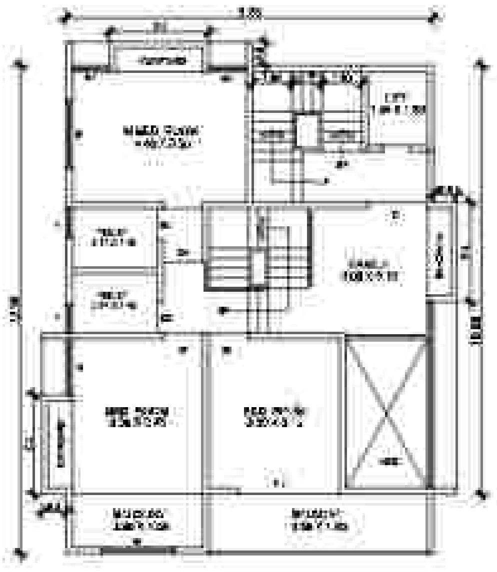




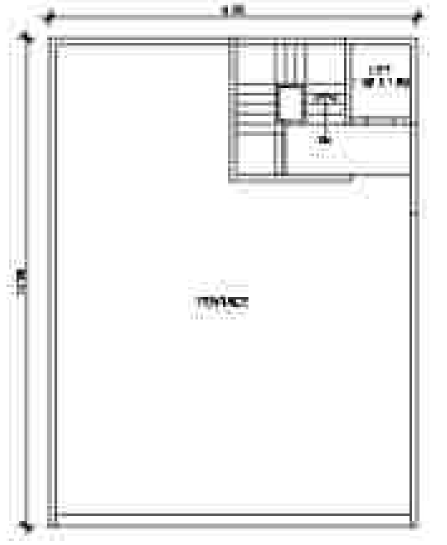
PARKING FLOOR PLAN.



FIRST / THIRD FLOOR PLAN



SECOND / FOURTH FLOOR PLAN

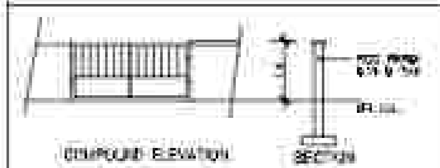


TERRACE PLAN

PARKING CALCULATIONS

	CARS	SCOOTERS	CYCLES
[illegible]	[illegible]	[illegible]	[illegible]
REQUIRED PARKING	[illegible]	[illegible]	[illegible]
PARKING PROVIDED	[illegible]	[illegible]	[illegible]

COMPOUND WALL DETAIL.



COMPOUND ELEVATION — SECTION

SCHEDULE OF OPENINGS.

DOORS - D - 1200 X 2100, D1 - 900 X 2100, D2 - 750 X 2100

WINDOWS - W - 1000 X 1200 ...

PROJECT

PROPOSED BUNGLOW AT PLOT NO. - 8 , S. NO. - 29/3+4/5 , CTS NO. - 1571 , AMRUTANAND CO. OP HSG. SOC. , HINGNE KH. , PUNE .

STAMP OF APPROVAL

AREA STATEMENT

		SQ.M.
1.	AREA OF PLOT (MINIMUM AREA OF A, B, C TO BE CONSIDERED)	279.10
	(A) AS PER OWNERSHIP DOCUMENT (7/12, CTS EXTRACT)	279.10
	(B) AS PER MEASUREMENT SHEET	279.80
	(C) AS PER SITE	—
2.	DEDUCTIONS FOR	
	(A) PROPOSED D.P./D.P. ROAD WIDENING AREA / SERVICE ROAD / HIGHWAY WIDENING	00.00
	(B) ANY D.P. RESERVATION AREA	—
	TOTAL (A + B) AREA	00.00
3.	BALANCE AREA OF PLOT (1 - 2)	279.10
4.	AMENITY SPACE (IF APPLICABLE)	
	(A) REQUIRED	—
	(B) ADJUSTMENT OF 2(B), IF ANY	—
	(C) BALANCE PROPOSED	—
5.	NET PLOT AREA [3-4(C)]	279.10
6.	RECREATIONAL OPEN SPACE (IF APPLICABLE)	
	(A) REQUIRED	—
	(B) PROPOSED	—
7.	INTERNAL ROAD AREA	—
8.	PLOTTABLE AREA (IF APPLICABLE)	—
9.	BUILT UP AREA WITH REFERENCE TO BASIC F.S.I. AS PER FRONT ROAD WIDTH	307.01
10.	ADDITION OF FSI ON PAYMENT OF PREMIUM	
	(A) MAXIMUM PERMISSIBLE PREMIUM FSI - BASED ON ROAD WIDTH / TOD ZONE	—
	(B) PROPOSED	—
11.	IN-SITU FSI / TDR LOADING	
	(A) IN-SITU AREA AGAINST D.P. ROAD	—
	(B) IN-SITU AREA AGAINST AMENITY SPACE IF HANDED OVER	—
	(C) TDR AREA / PREMIUM FSI PROPOSED	—
	(D) TOTAL IN-SITU / TDR LOADING PROPOSED	—
12.	ADDITIONAL FSI AREA UNDER CHAPTER No. 7	
13.	TOTAL ENTITLEMENT OF FSI IN THE PROPOSAL	
	(A) [illegible]	—
	(B) Ancillary Area FSI	491.22
	(C) Total entitlement	—
14.	Maximum utilization limit of F.S.I.	—
15.	Total Built up Area in proposal	
	(A) Existing Built up Area	—
	(B) Proposed Built up Area	470.12
	(C) Total (A+B)	470.12
16.	F.S.I. Consumed	0.00
17.	Area For Inclusive Housing, if any	
	(A) Required	
	(B) Proposed	

CERTIFICATE OF AREA

CERTIFIED THAT THE PLOT UNDER REFERENCE WAS SURVEYED BY ME ON [illegible] AND THE DIMENSION OF SIDES, ETC. OF PLOT STATED ON PLAN ARE AS MEASURED ON SITE AND THE AREA SO WORKED OUT TALLIES WITH THE AREA STATED IN DOCUMENT OF OWNERSHIP / T.P. SCHEME RECORD / LAND RECORD DEPT. / CITY SURVEYED RECORDS

SIGN OF ARCHITECT

OWNER'S DECLARATION

I / WE UNDERSIGNED HEREBY CONFIRM THAT I / WE WOULD ABIDE BY PLANS APPROVED BY AUTHORITY / COLLECTOR. I / WE WOULD EXECUTE THE STRUCTURE AS PER APPROVED PLANS. ALSO I / WE WOULD EXECUTE THE WORK UNDER SUPERVISION OF PROPER TECHNICAL PERSON SO AS TO ENSURE THE QUALITY AND SAFETY AT THE WORK SITE.

[illegible] SURESH VALTE AND [illegible] SURESH VALTE

AVISHKAR GROUP

ARCHITECTS, INTERIOR AND LANDSCAPE DESIGNERS

ARCHITECT'S SIGNATURE

DATE : [illegible]

SCALE : 1 : 100

AV/ VA/ 01

Project Description-

The Job was to create a centerline plan and working drawing plans for the G+5 apartment building.

Site Details-

Private property land
Area- 279.10 sq mt.

Building Type-

Individual Private Bungalow

Client Description-

Mr. Valase

Work Status -

On going project

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Yogesh Chambley , **Senior Architect**
Ar. Smita Pawar , **Junior Architect**

Challenges Faced-

It was my first time creating a centerline plan and working drawing plans of a G+5 appartment building.So i was unaware of the necessary elements to be included in the drawings.

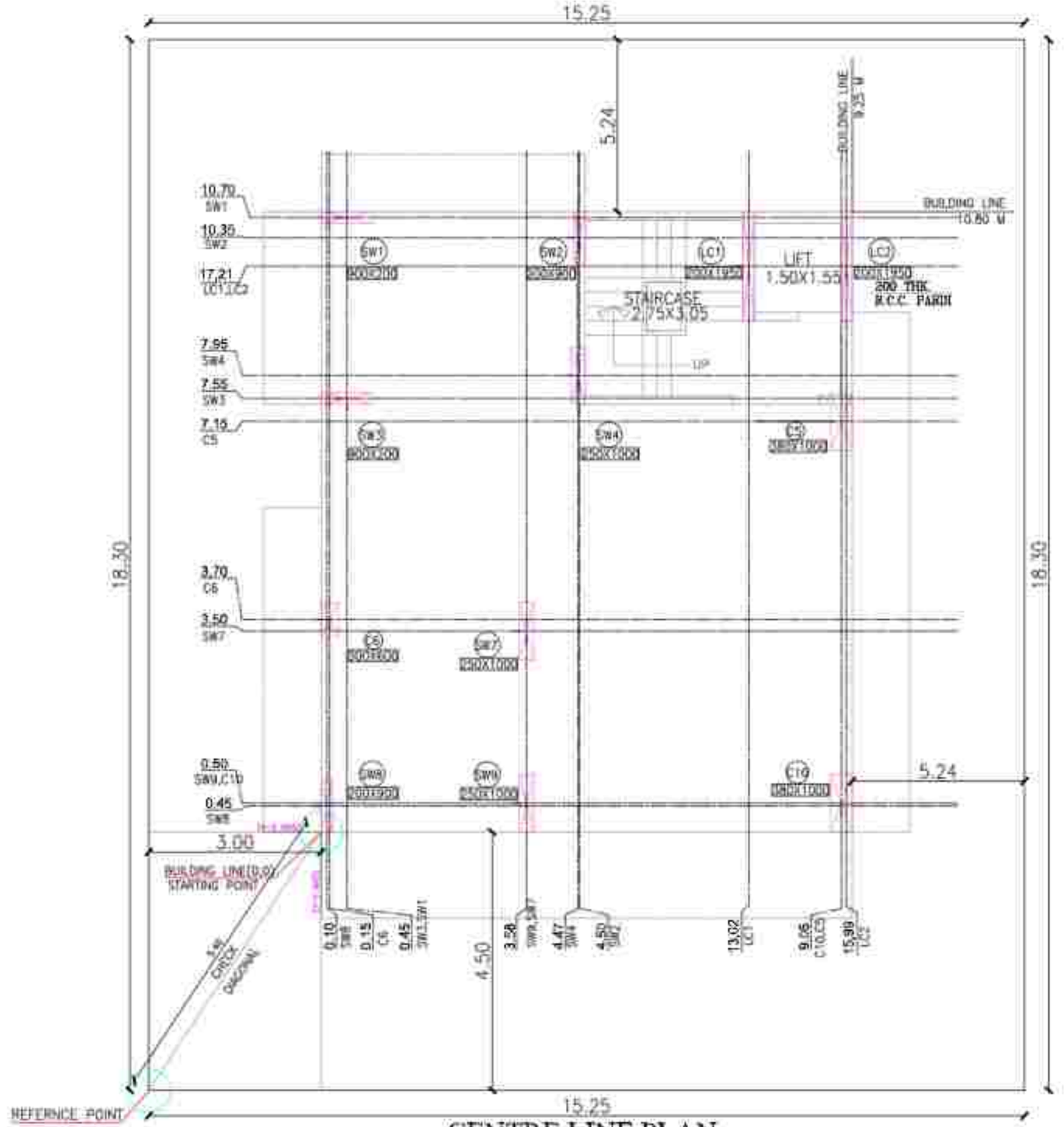
My Task-

*Creating of centerline (Plan).
*To send final plans to Structural Engineer.
*Coordinating with the Structural Engineer for the layout of column.
*To overlap the column postions sent by structural engineer on the plan to see no problem in the plan because of columns.
*To make working drawing plans of all the floors

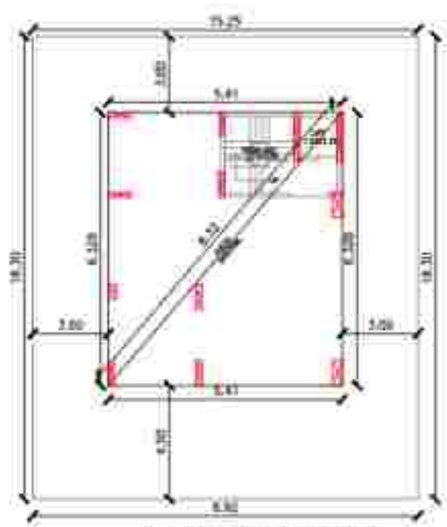
What I Learnt From This Project -

*To give all necessary elements in centerline drawing for on site construction.
*To give all necessary elements in plans for working drawing for on site construction
*To check the measurements are given correct.
*To check the column sizes are given correct as per the measurements.
*To give notes for the reference of the drawings.

CENTRE-LINE AND WORKING DRAWING PLAN

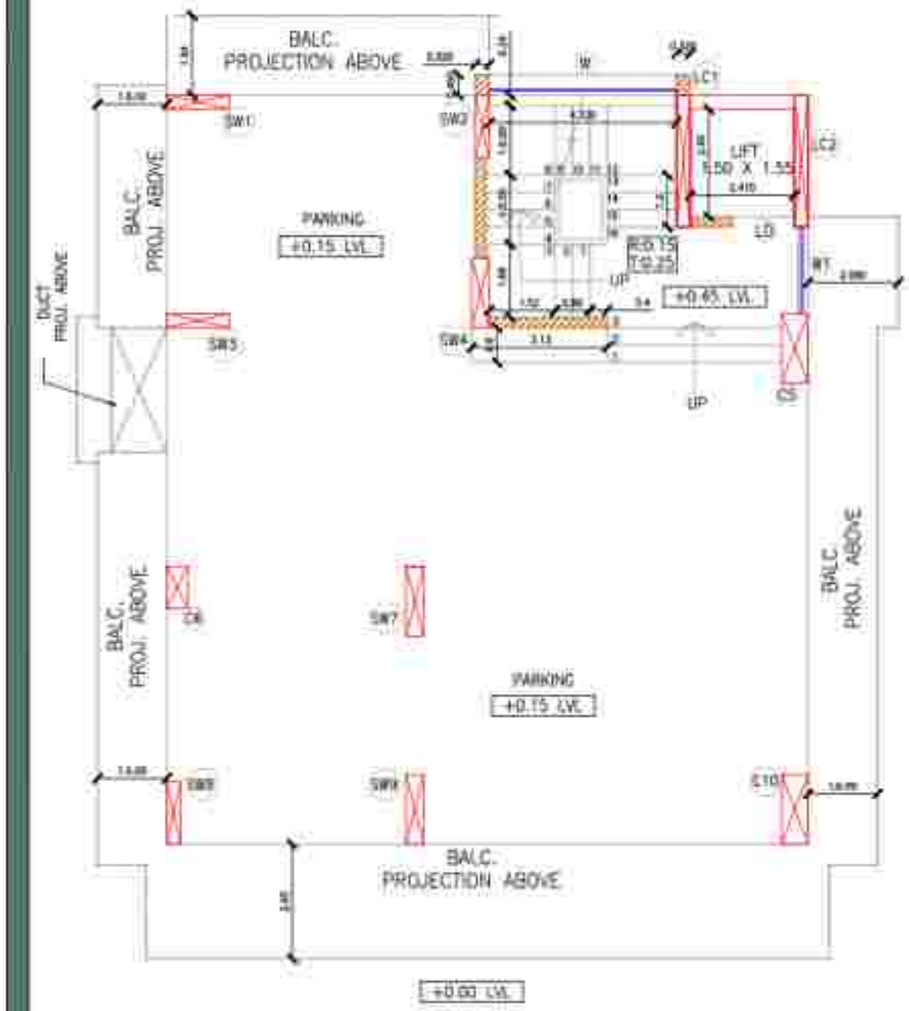


CENTRE LINE PLAN

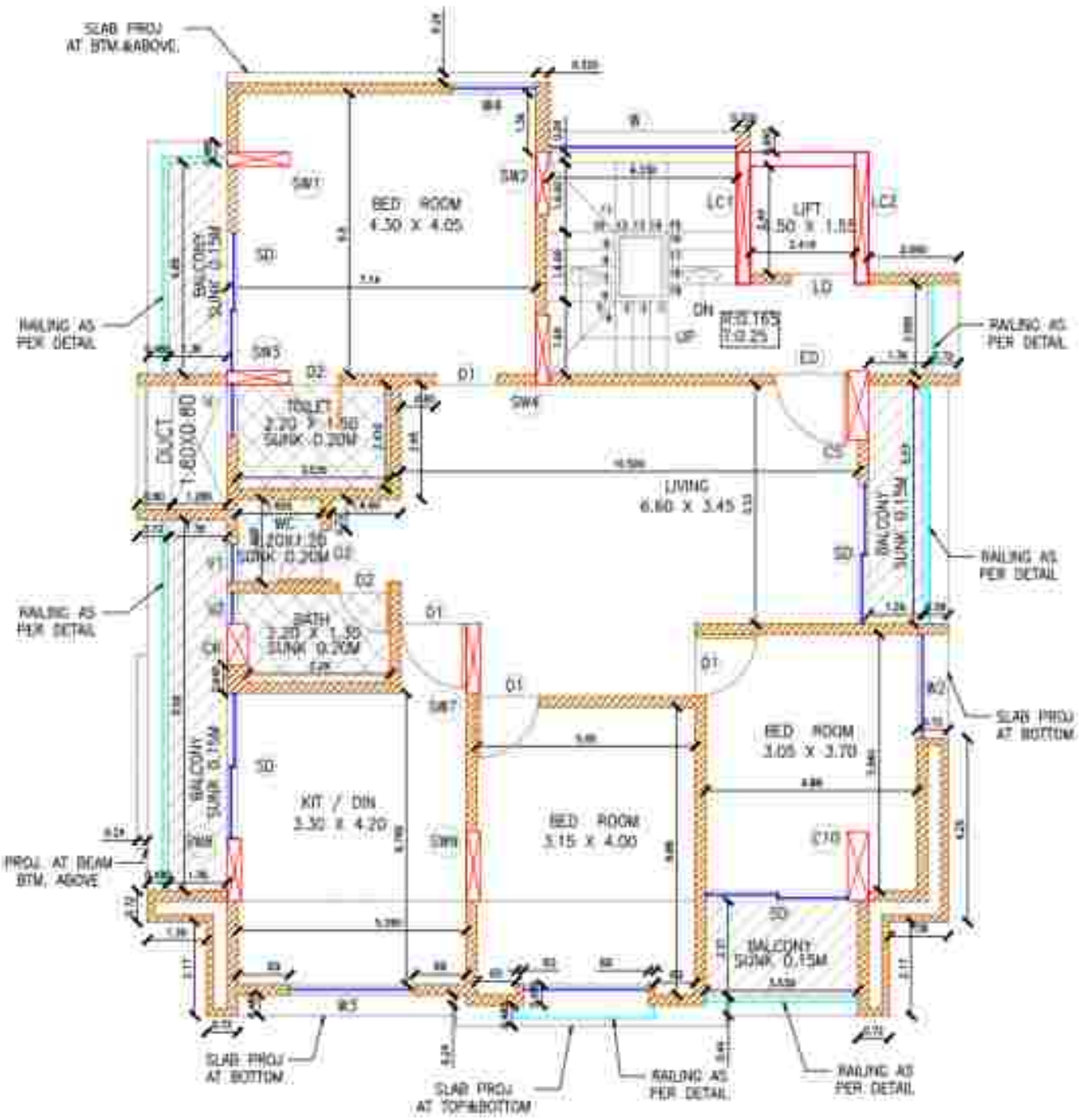


BLOCK PLAN

	DRAWING CONTENT : CENTRE LINE & BLOCK PLAN	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : Mr. Valase	DRN BY : VARUN . J	
		DATE: 00-00-2023	AVISHKAR GROUP ARCHITECTS, INTERIOR DESIGNERS & APPROVED VALUERS

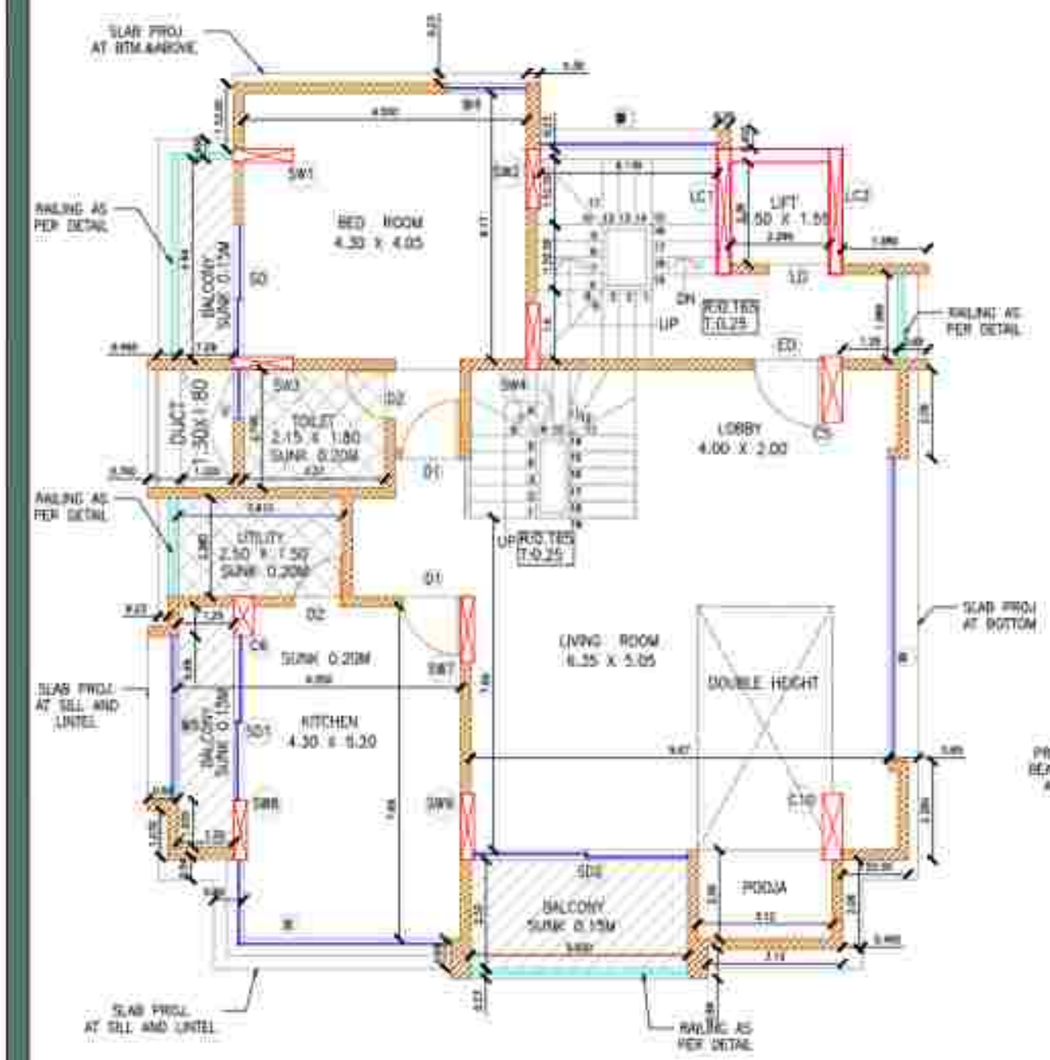


PARKING FLOOR PLAN

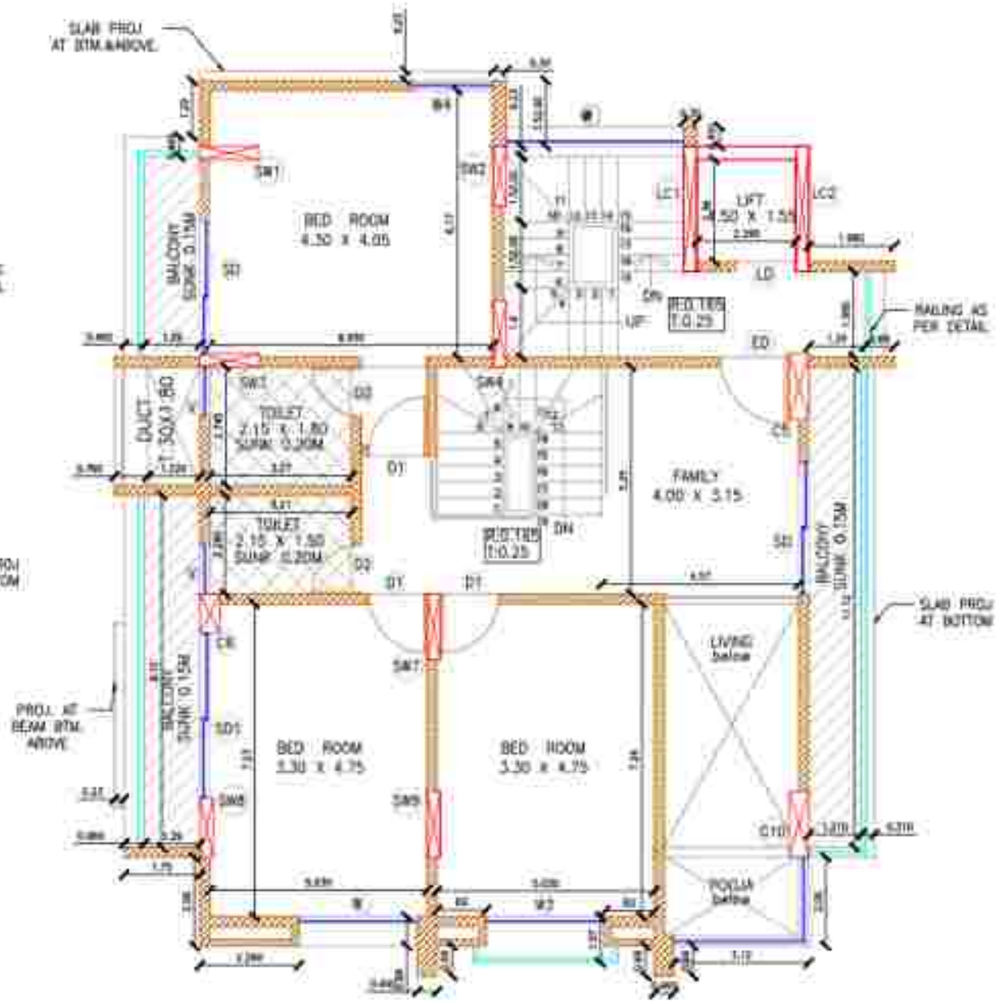


FIRST & FOURTH
TYPICAL FLOOR PLAN

	DRAWING CONTENT : FLOOR PLANS	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : Mr. Valase	DRN BY : VARUN . J	
		DATE : 00-00-2023	AVISHKAR GROUP



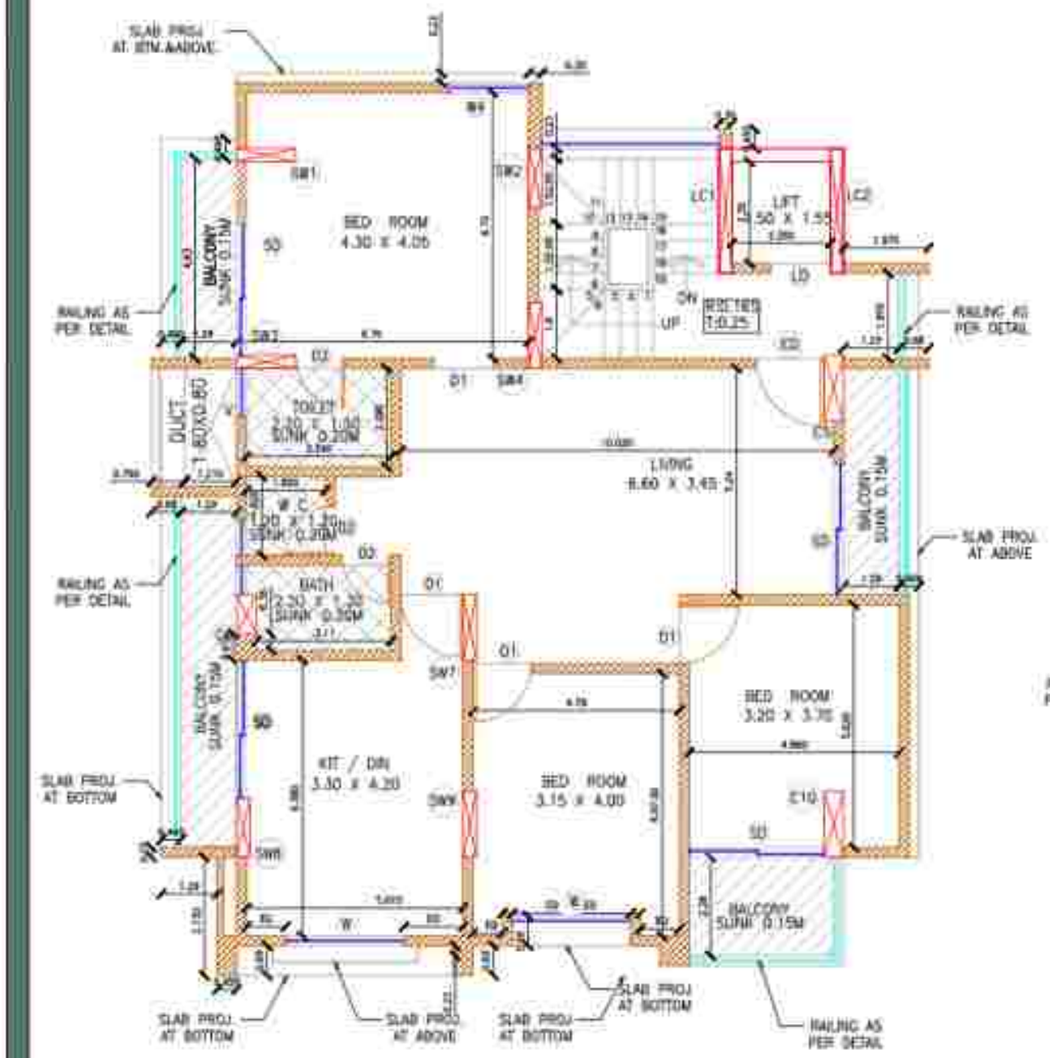
SECOND FLOOR PLAN



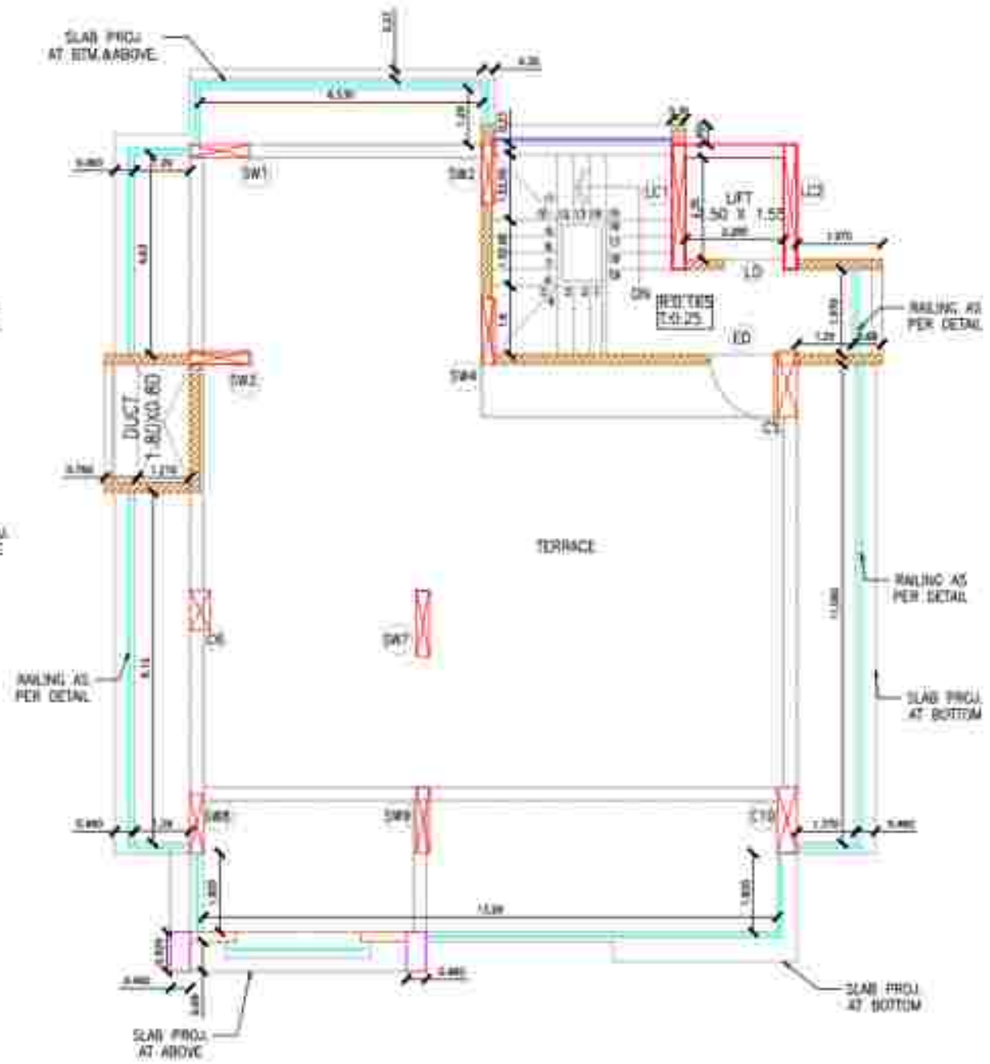
THIRD FLOOR PLAN

N	DRAWING CONTENT : FLOOR PLANS	CHKD BY : N.B.N	SIGN AND STAMP
	CLIENT NAME : Mr. Valase	DRN BY : VARUN . J	
		DATE : 00-00-2023	

AVISHKAR GROUP
ARCHITECTS, INTERIOR DESIGNERS & APPROVED VALUERS



FIFTH FLOOR PLAN



TERRACE FLOOR PLAN

DRAWING CONTENT : FLOOR PLANS	CHKD BY : N.B.N	SIGN AND STAMP	AVISHKAR GROUP
CLIENT NAME : Mr. Valase	DRN BY : VARUN . J		
	DATE : 00-00-2023		

Project Description-

The Job was to make presentation drawings of the plan for the brochure for the commercial and residential apartment building.

Site Details-

Private property land

Building Type-

Commercial & Residential Apartment Building

Client Description-

Mr. Arun Agarwal

Work Status -

Work is under progress

Work Done Under Guidance Of-

Ar. Nitin Naik , **Principal Architect**
Ar. Pinak Naik , **Principal Architect**
Ar. Sanjay Kale , **Principal Architect**

Challenges Faced-

The project was on bigger scale their where many plans and had to segregate it in various types of render/colour.

My Task-

*Rendering the floor plans like:-
Floor plans
Site plans
*Organize the sheet for presentation
*Coordinating with sir for work.

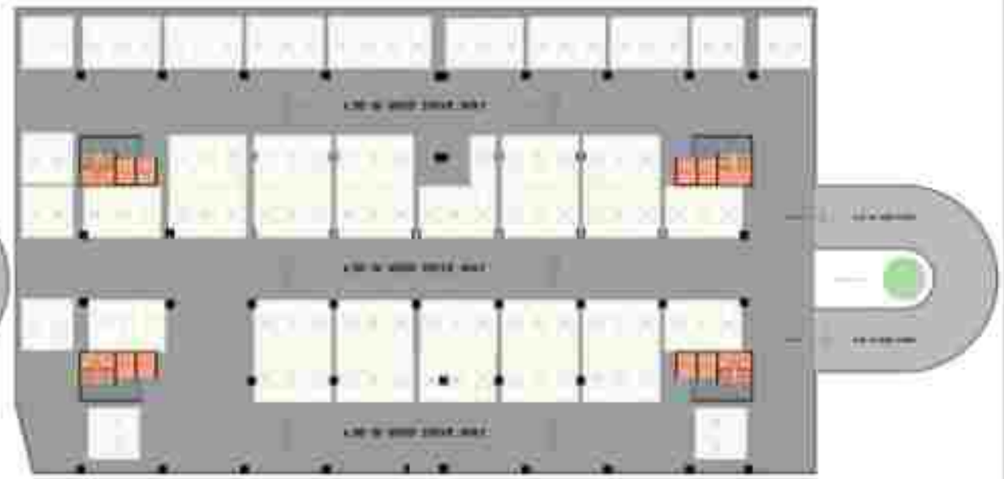
What I Learnt From This Project -

*Rendering the floor plans
*Organize the sheet for presentation
*Team work.
*How to segregate the plans while rendering

PRESENTATION DRAWINGS

GROUND FLOOR PLAN

FIRST BASEMENT PLAN



SECOND BASEMENT PLAN

N

DRAWING CONTENT : RENDERED FLOOR PLANS	CHKD BY : N.B.N	SIGN AND STAMP	AVISHKAR GROUP
CLIENT NAME : MR. ARUN AGARWAL	DRN BY : VARUN . J DATE : 09-10-2023		

FIRST FLOOR PLAN

9 TH REFUGE AREA PLAN

2-11 TYPICAL FLOOR PLAN

N

DRAWING CONTENT : RENDERED FLOOR PLANS	**CHKD BY : N.B.N**	**SIGN AND STAMP**	AVISHKAR GROUP
CLIENT NAME : MR. ARUN AGARWAL	**DRN BY : VARUN . J**		
	DATE : 09-10-2023		

MISCELLANEOUS

the process

01 **client consultation**
assessment of client's goals, budget and requirements

02 **site analysis**
learning the characteristics, limitations and potential of the site

03 **research**
gathering intel for ideas, zoning codes and case studies

04 **conceptual development**
brainstorming, communication and moodboard presentation

05 **proposal**
schematic design presentation and client consultation

06 **design development**
proposal refining, incorporating structural drawings and details

07 **construction documentation**
detailed drawings and specifications guide construction

08 **contractor selection**
helping the client select the appropriate contract via bidding

09 **project management**
overseeing the project for smooth operation, quality control

10 **project completion and handover**
ensuring satisfactory completion of work and documentation

DOCUMENT NEEDED FROM CLIENT FOR A DRAWING/ DESIGNING

PROPERTY CARD OR 7/12
OWNERSHIP
PROPERTY NO.
AREA (PROPERTY)

REMARKATION CERTIFICATE (सरकारी मोजणी नकाशा)
MINIMUM AREA IS CONSIDERED

DEVELOPMENT PLAN (DP)
- CHECKED THE SITE IS IN CONGESTED OR NON CONGESTED AREA .
- RESERVATION (WHICH TYPE OF RESERVATION IS FOR SCHOOL , RESIDENTIAL , COMMERCIAL
- ROADWIDENING
- CHECK ZONES- RESIDENTIAL - YELLOW COLOURED
  - COMMERCIAL - LIGHT BLUE
  - INDUSTRIAL - PURPLE
  - PLAY GROUND / GARDEN- LIGHT GREEN
  - BDP (BIODIVERSITY PARK) OR HILL TOP HILL SLOPE -
  - BUS BAY PARKING - GRAY COLOURED
  - WATER BODY

CONGESTED AREA

- PLOT WIDTH IS MORE THAN 7M KEEP THE MARGIN 1M IN ALL SIDE.
- COMMERCIAL - 2.3 M
- RESIDENTIAL - 2.0 M
  SET BACK
- IF BUILDING HEIGHT ABOVE 24M IT ACT AS A NON CONGESTED.

CASE STUDY - CONGESTED AREA
302- NANA PETH

- **DP** - IT IS CONGESTED AREA
- AFTER SEEN THE PROPERTY CARD (180.40 SQM)
APPROXIMATE DIMENSION OF PROPERTY (5.82 M X 31 M)

IT IS ALSO OBSERVED -
THE PROPERTY HAVING ROAD AT 5.82 M SIDE AND LANE AT OTHER 5.82 M SIDE.

- AS PER THE DP THE PROPOSAL ROAD IS 15 M WIDE AND
- AS PER THE DP PLOT IS AFFECTED BY 3.3M WIDE STRIP UNDER THE ROAD WIDENING .
- THE LANE AT BACK SIDE IS 1.05 M WIDE.
- AS PER BYLAWS THE LANE HAS TO BE WIDENED TO 4.5 M WHICH MEANS (4.5 - 1.05 = 3.45/2 = 1.725 WIDENING OF LENGTH FOR OUR PLOT AT BACK SIDE

APPLICABLE FSI
TABLE 6A PAGE NO. 114 , CLOUSE NO.3
CATEGORIE 9M ABOVE TO 18 M. - APPLICABLE ROAD WIDTH

BASIC FSI = 2
PAID FSI = 0.30
TDR = 0.30
TOTAL POTENTIAL = 2.6

SITE VISIT

ANY TREES ON SITE
ANY ENCROACHMENT
ANY WATER BODY
HIGH TENSION LINE
GRADIENT (SLOPE OF PLOT).

ORIENTATION OF THE PLOT
DRINKING WATE LINE
AVAILABLE DRAINAGE LINE
ASSUMING STRATA
CHECKING THE CONDITION OF TENENTS

TALK WITH AR. NITIN NAIK SIR

AVISHKAR GROUP

MISCELLANEOUS

VAASTU

- Staircase should climb in clockwise direction

- Main Entrance placed at the centre of the quadrant
- North east part cannot be cut, but can be extruded
- Pooja room
- No toilet

- Pooja room
- Hobb facing East
- Kitchen hall facing East

- Kitchen

- Bedroom
- Bed head cannot be in North direction
- Water tank

- Main Entrance should not be placed

7/12 कसा वाचावा

ख ख - खरेदी खत
नों ता - नोंदणी तारिक
अ पा क - अज्ञान पालन करता
न भू का - नगर भूमापन कार्यालय
दि को हु - दिवाणी कोर्ट हुकुमावरून
दी मु नं - दिवाणी मुकादमा नंबर
हु - हुकूम
नामा - नाव
भ्र - भ्रतार
पोटगी - ठराविक रक्कम
मु व - मुदत वर्ष
द सा - दर साल
सह दु नि - सह दुय्यम निबंधक
Lessi - भाडेकरू
भा सं - भारतीय संविधान
म रा शा - महाराष्ट्र राज्य शासन को - बायको

READY RECKNOR

DIVISION / VILLAGE : PARVATI
Commences From 1st April 2023 To 31st March 2024

Type of Area	Urban	Local Body Type	Class "A" Corporation
Local Body Name	Pune Municipal Corporation		
Landmark	Laxmi Nagar to Gandhi Training College Road / Sarang Society Bus Stop / Gilbert Road Gandhi Training College		

Rate of Land + Building in ₹ per sq. m. Built-Up

Zone	Sub Zone	Land	Residential	Office	Shop	Industrial
14	14/239	30330	97560	122570	306370	0

C. T. S. No: [illegible]

Compare With Previous Year

TALK WITH AR. NITIN NAIK SIR

AVISHKAR GROUP
ARCHITECTS, INTERIOR DESIGNERS & APPROVED VALUERS

SKILL AND EMPOWERMENT CENTRE FOR

TRANSGENDER

PROPOSED AT KUSHINAGAR,UTTARPRADESH

VARUN UMASHANKAR JAVALEKAR
FINAL YEAR B.ARCH
ANANTRAO PAWAR COLLEGE OF ARCHITECTURE

WHO ARE TRANSGENDER?

[illegible]

According to Census 2011, [illegible]

SUB-GROUP OF TRANSGENDER COMMUNITY

Hijras [illegible]

Eunuch [illegible]

Kinnar [illegible]

Aravani [illegible]

Kothi [illegible]

Shiv-Shakti [illegible]

Jogta/Jogappa [illegible]

Guru/Chela [illegible]

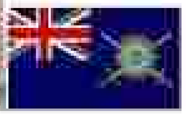
HISTORICAL EXISTENCE

[illegible]

Epic tales such as Ramayana & Mahabharata [illegible]

Ramayana: [illegible]

Mahabharata: [illegible]



TOTAL TRANSGENDER PEOPLE IN INDIA

Census of India 2011

[illegible]

STATE STATS

State	[illegible]
Uttar Pradesh	[illegible]
Andhra Pradesh	[illegible]
Maharashtra	[illegible]
Bihar	[illegible]
West Bengal	[illegible]
[illegible]	[illegible]
Tamil Nadu	[illegible]
Odisha	[illegible]
Karnataka	[illegible]
Rajasthan	[illegible]
INDIA	[illegible]

LEGAL TIMELINE:

Supreme Court Judgment - 15th April,2014 - Transgender as third gender

PETITIONER - National Legal Services Authority

RESPONDENTS - Union of India and others

BENCH: [illegible]

JUDGEMENT: [illegible]

Legal Recognition for Third Gender

[illegible]

Public Health and Sanitation

[illegible]

[illegible]

The Transgender Persons (Protection of Rights) Act, 2019

[illegible]

Appraisal of the Transgender Persons (Protection of Rights) Act, 2019

[illegible]

MAP-WISE RATIO

ABSTRACT:

AIM:

OBJECTIVE:

SCOPE:

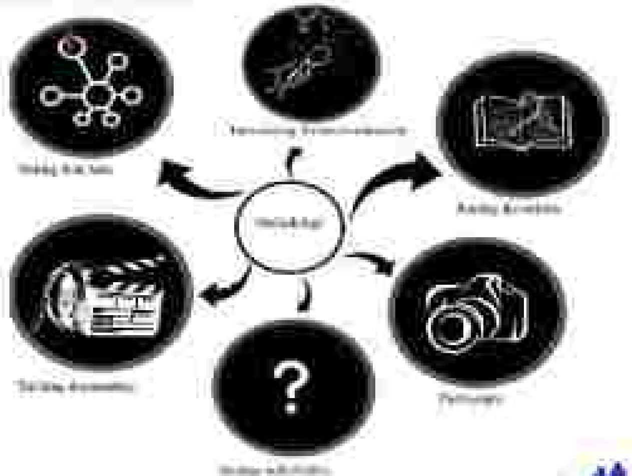
LIMITATION:

PROBLEMS THEY FACE:

THEY EARN BY:

Justification of the project:

METHODOLOGY:



SHOULD WE DESIGN IT DIFFERENTLY:

DESIGN TO AMPLIFY THE DIMINISHING VOICES

EXPECTED RESULT:

GARIMA GREH

INTRODUCTION :

Support for Marginalized Individuals for Livelihood & Enterprise (SMILE) is a comprehensive scheme launched by the Ministry of Social Justice & Empowerment ... [illegible]

NEED OF GARIMA GREH

[illegible]

Garima Greh Activities

OBJECTIVES OF GARIMA GREH

[illegible]

THE GARIMA GREH CONSIST OF VARIOUS AREAS LIKE:

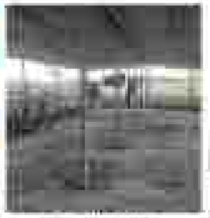
[illegible]

ENTRANCE LOBBY

ADMIN ROOM

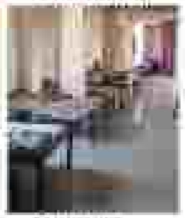
COUNSELLING ROOM

SELLING OF THE HANDMADE ITEMS



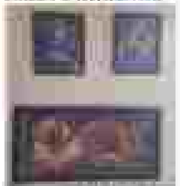
LUNCH AREA

TOILET & BATHROOM



DORMITORY

DOCTOR ROOM



ART WORK

WORKSHOP AREA

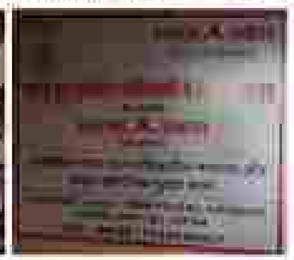
GARIMA GREH, KINNAR ASMITA

LOCATION: -

TAMANNA RESIDENCY 3RD FLOOR, NEAR SAIBABA MANDIR, HAJIMALANG ROAD DWARLI PADA KALYAN EAST, THANE MAHARASHTRA - 421306

GARIMA GREH , KINNAR ASMITA : -

IT IS LOCATED ON THE SECOND, THIRD & TERRACE FLOOR OF THE BUILDING.



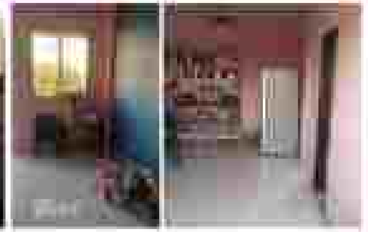
Garima Greh Building

THE SKILL TRAININGS GIVEN ARE:

[illegible]

ART CLASSES

TAILORING CLASSES



COOKING CLASSES

POSITIVE ASPECTS:

SAFE AND SUPPORTIVE ENVIRONMENT: [illegible]

COMPREHENSIVE SERVICES: [illegible]

CULTURAL SENSITIVITY: [illegible]

COMMUNITY INTEGRATION: [illegible]

EMPOWERMENT PROGRAMS: [illegible]

NEGATIVE ASPECTS:

LIMITED RESOURCES: [illegible]

ACCESSIBILITY ISSUES: [illegible]

DISCRIMINATION OR LACK OF INCLUSIVITY: [illegible]

LACK OF TRANSPARENCY: [illegible]

INADEQUATE OUTREACH: [illegible]

MIST FOUNDATION

INTRODUCTION

[illegible]

MAHARASHTHRA

PUNE

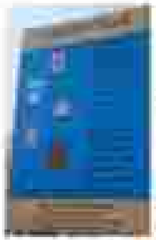
QUEER BAZAAR LOCATION: [illegible] Pune, Maharashtra [illegible]

QUEER BAZAAR

[illegible]

QUEER BAZAAR AREA CONSIST OF VARIOUS AREAS:

1)Shop
2)Printing area
3)Doctor consulting
4)Interactive space



SHOP

DOCTOR CONSULTING AREA

PRINTED SHIRT

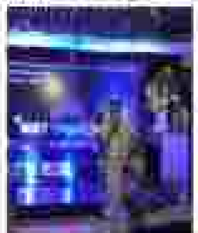
INTERACTIVE SPACE

PRINTING EQUIPMENTS

CHAI AREA

Mist Trans India:

[illegible]



SINGING AND DANCING COMPETITION

FREE DISTRIBUTION

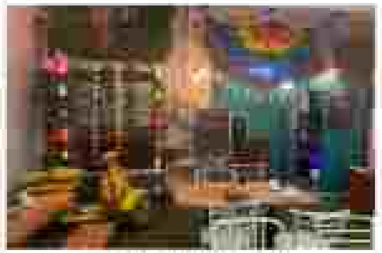
SELLING OF THE HANDMADE ITEMS

STORIES CAFÉ

Stories café is owned by mist foundation. The purpose of the café is to give transgender to work [illegible]

Location: Shop No 1, [illegible] Pune, Maharashtra [illegible]

STORIES CAFE OWNER AND WORKER'S



CAFE SITTING AREA

CAFE SITTING AREA

ORDERING THE FOOD

KITCHEN

SERVING THE FOOD

POSITIVE ASPECTS:

Safe and Supportive Environment: [illegible]

Comprehensive Services: [illegible]

Cultural Sensitivity: [illegible]

Community Integration: [illegible]

Empowerment Programs: [illegible]

NEGATIVE ASPECTS:

Limited Resources: [illegible]

Accessibility Issues: [illegible]

Discrimination or Lack of Inclusivity: [illegible]

Lack of Transparency: [illegible]

Inadequate Outreach: [illegible]

LOS ANGELES LGBT CENTRE

INTRODUCTION

The Los Angeles LGBT Centre (previously known as the Los Angeles Gay and Lesbian Center) is a provider of programs and services for lesbian, gay, bisexual and transgender people. The organization's work spans four categories, including health, social services, housing, and leadership and advocacy. The centre is the largest facility in the world providing services to LGBT people.

LOCATION: 1118 N. McCadden Pl, Los Angeles, CA 90038

HISTORY:

The centre was founded in 1969 by gay and lesbian rights activists Morris Kight and Don Kilhefner, along with other activists. Originally called The Gay Community Services Center, the original centre was located in an old Victorian house on Wilshire Boulevard and was the first nonprofit organization in America to have the word "gay" in its name. In 1996, the organization named its library the Jacob Taylor Library after one of its benefactors. [illegible]

On October 2, 2010, the centre became the recipient of a $13.3 million, five-year grant from the U.S. Department of Health and Human Services Administration for Children and Families in order to create a model program for LGBTQ youth in foster care. It was the largest ever grant by the federal government to an LGBT organization.

VIEWS

VIEWS

VIEWS

FACILITIES:

HEALTH

Primary medical care by providers who specialize in caring for LGBT people
HIV/AIDS specialty care through its Jeffrey Goodman Special Care Clinic
HIV and STD testing and treatment
Individual/group counselling and psychiatric care
Crystal meth, alcohol and other drug recovery services
On-site pharmacy
Health and medical research

SOCIAL SERVICES AND HOUSING

Emergency shelter and transitional housing for youth
7-days-week support services for homeless youth, including meals, clothing, etc.
Support services and activities for seniors
Legal support, counsel and advocacy
Hate crime survivor assistance
Domestic violence services [illegible]
Youth mentoring and empowerment [illegible]
Employment support with special programs for transgender people and youth
Family services and programs

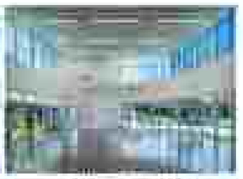
CULTURE AND EDUCATION

Performances and exhibitions on the centre's stages and in its galleries
LGBT charter high school
GED program
Continuing education and personal enrichment programs [illegible]
Center
David Bohnett CyberCenter and computer lab
Community meeting and event space

COURTYARD

LOBBY

HOUSING UNIT



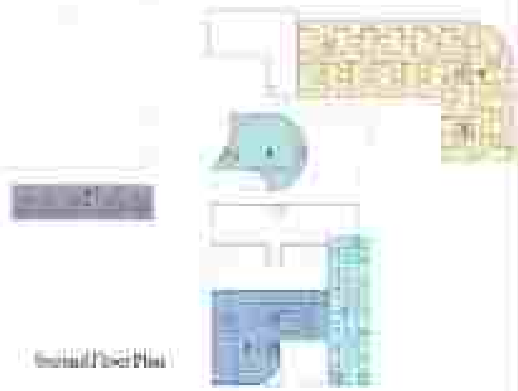
MEETING HALL

ISOMETRIC VIEW

1) Library & gardens: Building social center
2) Youth centre
3) The Ariadne Getty Foundation youth academy
4) Transitional living program
5) Community on first floor
6) Youth Movement housing
7) Stage and Backstage
2) Youth hall and administration
4) Commercial kitchen & services
6) Emergency overnight beds
8) Administration offices
10) Senior affordable housing
12) The village at ed Gould plaza

Ground Floor Plan

First Floor Plan



Second Floor Plan

POSITIVE ASPECTS:

Comprehensive Services: The centre provides a wide array of services, ranging from healthcare to housing, addressing the diverse needs of the LGBT community.
Advocacy and Awareness: Actively involved in advocacy efforts, the centre works to promote LGBT rights and raise awareness about issues affecting the community.
Safe and Inclusive Space: The centre offers a secure and inclusive environment where individuals can access resources without fear of discrimination based on their sexual orientation or gender identity.
HIV/AIDS Services: Historically significant in the fight against HIV/AIDS, the centre provides testing, prevention, and treatment services, playing a crucial role in addressing the impact of HIV/AIDS on the LGBT community.
Community Building: Serving as a hub for community building, the centre fosters connections through support groups, social events, and networking opportunities.

NEGATIVE ASPECTS:

Limited Resources: Demand for services often exceeds available resources, leading to waiting lists and limited immediate access for those in need.
Funding Challenges: Like many non-profit organizations, the centre may face financial challenges, relying on grants, donations, and fundraising efforts.
Criticism and Controversies: The centre may face criticism and internal criticism or controversies related to its approach, policies, or advocacy strategies.
Accessibility: The physical location of the centre may pose accessibility challenges for some individuals, particularly those in remote areas or with limited transportation options.
Diversity of Perspectives: Some individuals or groups within the LGBT community may feel underrepresented or marginalized, raising concerns about inclusivity.

[illegible]

PRIDE SHELTER HOME

PRIDE SHELTER
Trust

Ocean Park is a stylish 1960 village, popular with the arty and trendy set, lying in the foothills of Table Mountain. From afar, houses here appear to sit relatively low on the mountain, but driving through the suburb, one quickly adjusts one's perception. It's quite a climb to reach parts of upmarket Oranjezicht in Cape Town. Oranjezicht encircled above Kloof Street, adjacent to Tamboerskloof, with only Bantry Bay separating the two.

Houses here are tiered precipitously with incredible views of Table Mountain, the Twelve Apostles and the diverse Atlantic seaboard. Mountain Apartments here are popular with students from the Cape Technikon, and close to Gardens Centre, making shopping only a quick walk away and transport negligible.

AERIAL VIEW

SIDE ENTRANCE

LOCATION:
1 Molteno Rd, Oranjezicht,
Cape Town, 8001, South Africa

FRONT ENTRANCE

GARDEN

INTRODUCTION:

The Pride Shelter Trust was launched in February 2000. At the time, there were many well funded health and social service organizations, but no crisis shelter type service, particularly for LGBTI people. Thus, the Pride Shelter Trust was born to establish and manage a shelter offering short term accommodation to LGBTI people during crisis periods.

During these years over 60 people have been assisted and to date over R3 million was raised by the gay and lesbian community. In 2010, after lengthy negotiations involving with the City of Cape Town Property Management Services, the Pride Shelter Trust signed a lease for a City-owned property at 1 Molteno Road in Oranjezicht. We then started the process of renovating the building. On 5th April 2011 the Pride Shelter was opened. The renovations were assisted by the community including 22 beds, a television and furniture for the kitchen and sundowner lounge. Since then, it has supported over 300 LGBTI individuals from the greater Cape Town area and beyond.

BUILDING SERVICES:

The building services provided are as follows:

Electric supply, low current circuits for
Air Conditioning (vertically)
Water, Drainage and Plumbing
Natural and Artificial lighting
Systems
Installation and Navigation
Communication lines
Telephone and WIFI services

VIEW FROM MOLTENO ROAD

MAIN ENTRANCE

BACK GARDEN WITH MOUNTAIN VIEW

FACILITIES

The Pride Shelter helps you if you are experiencing a genuine crisis and need a
temporary safe room and meal stop place to stay on a transition basis while you start or
format and find your feet again.
The Pride Shelter can offer you support in the following ways:
1)Provide you with short-term accommodation (sleep) in our rooms
2)Provide you with a friendly, safe and accepting environment (ambience or decency
3)Provide you with two meals a day (breakfast and dinner)
4)Refer you to other services you may need
5)Provide laundry access.

ENTRANCE HALL

DINING HALL

SHELTER ROOM

LAUNDRY

PLANNING THROUGH BUBBLE DIAGRAM:

DORM

POSITIVE ASPECTS:

Safe and Inclusive Environment: If the Pride Shelter Trust creates a safe and inclusive space for LGBTQ+ individuals, providing support and understanding, it would be considered a positive aspect.
Comprehensive Services: Offering a variety of services beyond shelter, such as healthcare, mental health support, job training, and legal assistance, can enhance the positive impact of the organization.
Advocacy and Awareness: Actively participating in advocacy work and raising awareness about LGBTQ+ issues can help address societal stigma and discrimination.
Cultural Sensitivity: Demonstrating cultural sensitivity and understanding the diverse experiences within the LGBTQ+ community is crucial for a positive impact.
Collaboration with Community Partners: Partnerships with other community organizations, government agencies, or businesses can amplify the impact of the trust, leading to more resources and support.

NEGATIVE ASPECTS:

Limited Resources: If the Pride Shelter Trust faces challenges in terms of limited resources, it may struggle to meet the demands of the community it serves, potentially leading to service gaps.
Accessibility Issues: If the shelter or services are not easily accessible, or may pose a challenge for LGBTQ+ individuals in need, especially those facing transportation or mobility issues.
Discrimination or Lack of Inclusivity: Negative experiences, such as reports of discrimination within the organization or a lack of welcoming, failing to address the diverse needs of different LGBTQ+ individuals.
Lack of Transparency: If the organization lacks transparency in its operations, including financial practices and program outcomes, it can lead to a lack of trust among stakeholders.
Inadequate Outreach: If Pride Shelter Trust struggles with outreach efforts, it might not effectively reach those who need its services, leaving vulnerable individuals without support.

PROPOSED AT KUSHINAGAR,UTTARPRADESH

CASE STUDY COMPARATIVE ANALYSIS

CASE STUDY-COMPARATIVE ANALYSIS

PARAMETERS	Los Angeles LGBT Center	Pride Source House	GARIMA GHAR	HIJRA FOUNDATION	REMARK
LOCATION	1118 N. McCadden Pl, Los Angeles, CA 90038	1 Mellanie Rd, Observatory, Cape Town, 8001, South Africa	Gujarat Residency Jail Road, near vikram society, Mallavdevy road, Danthi pole, Rajkot road, Gujarat, India	Shop Number 30, URBAN HOMES, Kalwad Colony, Lohgaon, Pune, Maharashtra 411047	Location should be very accessible
MISSION AND FOCUS	Dedicated to serving the LGBT community offering health services, mental health support, youth programs, legal services, housing assistance, education programs and more	Provides shelter and support for individuals experiencing homelessness. Focus can vary depending on the organization's mission and specific programs	Focuses on providing shelter and support for transgender who are different and more skill to improve their livelihood	Focuses on providing support for transgender	To create an institutional platform for transgender where they can learn new skills, empower themselves, and can be healed.
Services Offered	- Health services - Mental health support - Youth programs - Legal services - Housing assistance - Education programs	- Shelter and food - Counseling - Medical services - Vocational training - Legal assistance	- Shelter and support - Vocational training - Rehabilitation - Counseling - Healthcare services	- Shop -Cafe - Provide some basic skills -Digital Printing	All the case study services to be incorporated in design program
Target Population	LGBT community & allies/ lesbian	Transgender community & Youth Group	Transgender community	Transgender community	transgender community
Funding	Donors, donations	Government funding, donations	Government funding	N.A. Funding	Government, Proper community NGO funding
Accessibility	Open to the LGBT community, senior persons	Open to all	Open to the LGBT community	Open to the LGBT community & Mainstream people	Open to the LGBT community & Mainstream people
Community Support	Strong community involvement	Community awareness and involvement	Collaboration with the local community	Collaboration with local community	Collaboration with local community.
Partnerships and Collaborations	Collaborates with various organizations and institutions to enhance services and outreach	Collaborates with local service providers, government agencies and NGOs	Collaborates with other NGOs, government agencies and community organizations	Collaborate with corporations, counsellor and local communities	Collaborates with other NGOs, government agencies and community organizations.
Impact and Recognition	Recognized nationally and internationally for its work in the LGBT community	Plays a vital role in the local community and non-governmental organizations	Acknowledged for its impact on the lives of Transgender facing discrimination	Impacted various transgender lives by giving employ opportunities	
Program Evaluation and Outcomes	Regularly evaluates programs and services to ensure effectiveness and relevance	May have program evaluation measures in place, but the extent varies	Emphasizes monitoring and evaluating the outcomes of its programs for continuous improvement and impact assessment	evaluating the outcomes of its programs for continuous improvement and impact assessment	Create opportunities for leadership development and empowerment within the transgender community. They can work with mainstream people with no difficulties.

RESEARCH PAPER REVIEW

"Empowering the Transgender Community in India: A situation analysis of initiatives of Govt. of India"
Author:-Shaagit Gaur

The government of India has implemented various measures to empower and support the transgender community. These initiatives encompass legal recognition, policy support, education, welfare programs, and welfare measures. Here are some key government initiatives:
1. Legal Recognition and Policy Support: - The Transgender Persons (Protection of Rights) Act, 2019 aims to safeguard rights, discrimination, and abuse against the transgender community, bringing them into the mainstream of society. 6. - Odisha became the first state in India to provide food grains, pension plans, health schemes, education, and housing land benefits to the transgender community, improving their lives and recognizing them as a legal third gender.
2. Education and Skill Development: - The Ministry of Social Justice & Empowerment provides scholarship schemes for transgender students studying in classes IX and above, within or outside school, and under the transgender have attempted to secondary education. 8. - Under the Skill India Mission, the Ministry of Skill Development and Entrepreneurship implements various skill development training programs for youth, including transgender persons, across India.
3. Welfare Measures: - The government has allocated funds for a comprehensive umbrella scheme covering various measures for the transgender community, including scholarships, skill development, medical facilities, shelter facilities, and protection cells for addressing offenses and crimes against transgender persons.
These initiatives reflect the government's commitment to creating a more inclusive and supportive environment for the transgender community in India. They aim to address the unique challenges faced by transgender individuals and provide them with opportunities for education, skill development, and overall empowerment.

"Problems Faced by Transgender Community in India: " Some Recommendations
Author:-Dr. Sudhanjit Chatterjee

Individuals and organizations can contribute to creating a more inclusive and supportive environment for transgender individuals in India through various means, as suggested in the document:
1. Awareness and Sensitization: Individuals and organizations can engage in awareness and sensitization campaigns to educate the public about the challenges faced by transgender individuals. This can help in reducing stigma and discrimination.
2. Media Representation: Highlighting transgender human rights issues in the media and other public forums can improve public awareness and increase transgender people's ability to exercise their rights. It is important to avoid stereotyping and negative representation.
3. Healthcare Support: Doctors and healthcare providers can be responsive to the special needs of all transgender persons. Sensitization campaigns for counsellors, psychiatrists, and other mental health professionals should be developed to prevent psychosocial harassment and pharmacological. Additionally, necessary rules and procedures need to be formulated regarding Sex Reassignment Surgery (SRS) and other procedures that transgender individuals may want.
4. Educational Schools and teacher sensitization programs are crucial sites where transgender issues and concerns need to be addressed. Creating a special scheme for transgender individuals, providing free education, and implementing policies to prevent caste and religion-based discrimination can help improve the access to education for transgender youth.
5. Family Support: Awareness and information are needed for parents to support their young adolescents who are transgender children. Parents and siblings should be alert to the risk of children facing bullying and other violence within the home and support them accordingly.
6. Workplace Policies: Workplaces at the public and private sectors need to sensitize employers and employees on issues of transgender persons. Anti-discrimination policies must be facilitated and meaningfully applied to the processes of hiring, retention, promotion, and employee benefits. Employers' sexual harassment policies should be made transgender-inclusive.
By actively engaging in these initiatives, individuals and organizations can play a significant role in creating a more inclusive and supportive environment for transgender individuals in India.

DESIGN REQUIREMENT

Based on study done through case study, research paper , interviewing the transgender residing from hijra, Watching documentary movies. I have prepared the design brief :-

SHEET NO. 08

SITE ANALYSIS & JUSTIFICATION

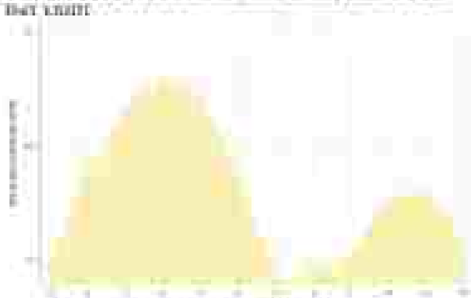
SITE LOCATION:

SITE INFORMATION:

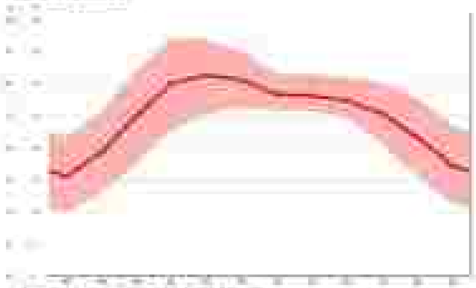
ACCESSIBILITY

SITE JUSTIFICATION

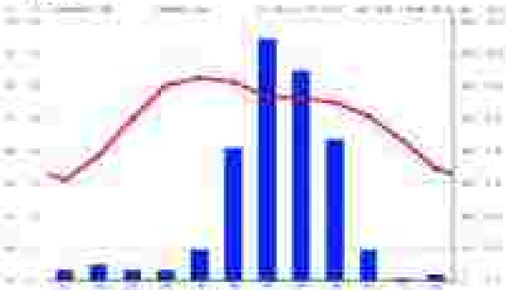
SITE DATA



TEMPERATURE



RAINFALL



SUN DIRECTION

SITE SURROUNDINGS & ROADS

SWOT ANAYLSIS

S

O

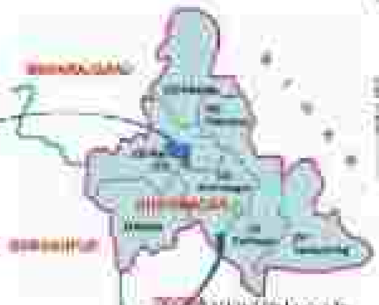
W

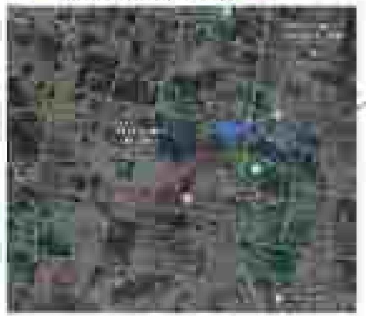
T

PROPOSED AT KUSHINAGAR,UTTARPRADESH

NAKATAHA MISHRA

UTTAR PRADESH





SITE

PROPOSED SITE : - 6 ACRE

Locality Name : Nakataha Mishra (Hariharpur)
Block Name : Fazilnagar
District : Kushi Nagar
State : Uttar Pradesh
Division : Gorakhpur
Language : Hindi and Urdu
Time zone: IST (UTC+5:30)
Telephone Code / Std Code: 05640
Assembly constituency : Fazilnagar assembly constituency
Assembly MLA : Ganga
Lok Sabha constituency : Deoria parliamentary constituency
Parliament MP : RAMAPATI RAM TRIPATHI
Sarpanch Name : Sudip Mishra
Pin Code : 274401
Post Office Name : Fazilnagar

*According to Census 2011 information the location code or village code of Nakataha Urf Harihar Chhapar village is 189932. Nakataha Urf Harihar Chhapar village is located in Kasya tehsil of Kushinagar district in Uttar Pradesh, India. It is situated 20km away from sub-district headquarter Kasya (tehsildar office) and 38km away from district headquarter Kushinagar. As per 2009 stats, Nakataha Mishra is the gram panchayat of Nakataha Urf Harihar Chhapar village.

*The total geographical area of village is 163.88 hectares. Nakataha Urf Harihar Chhapar has a total population of 1,777 peoples, out of which male population is 948 while female population is 829. Literacy rate of nakataha urf harihar chhapar village is 63.39% out of which 72.88% males and 52.64% females are literate. There are about 294 houses in nakataha urf harihar chhapar village.

INTRODUCTION

*Nakataha Mishra is a village in Kasya tehsil, Fazilnagar Block in Kushi Nagar District of Uttar Pradesh State, India.
*It belongs to Gorakhpur Division.
*It is located 26 KM towards South from District head quarters Padrauna. 16 KM from Fazilnagar. 363 KM from State capital Lucknow.
*Nakataha Mishra Pin code is 274401 and postal head office is Fazilnagar.
*Kasya is nearest town to nakataha urf harihar chhapar village for all major economic activities.

Nearby Villages of Nakataha Urf Harihar Chhapar

Bankata Kumar (2 KM), Sherpur Pakhalwa (3 KM), Kaithawa Buzurg (3 KM), Mathiya Pathkhauli (4 KM), Laxmipur Misra (4 KM) are the nearby Villages to Nakataha Mishra. Nakataha Mishra is surrounded by Fazilnagar Block towards North, Pathar Dewa Block towards west, Tamkuhiraj block towards North, Hinjiya Block towards South.
*Deoria, Padrauna, Mairwa, Gopalganj are the near by Cities to Nakataha Mishra.

Connectivity of Nakataha Urf Harihar Chhapar

Type	Status
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

National Highways Reachable To Nakataha Mishra:
National Highway : NH 27

Kushinagar station 30 km
Deoria station 40 km

Nakatha Mishra 0.5 km

Population of Nakataha Urf Harihar Chhapar

Particulars	Total	Male	Female
Total Population	1,777	948	829
Literate Population	1,127	638	489
Illiterate Population	650	[illegible]	[illegible]

Colleges near Nakataha Mishra
Ashok Dadhira Pandit Inter College Nakataha Mishra, Kushinagar

Schools in Nakataha Mishra
Sangamlal Inter School, Nakataha Mishra

Govt. Health Centers near Nakataha Mishra
Sita devi memorial hospital, Fazilnagar
Hospital, Fazilnagar, Tamkuhi road

ROAD

Given site is well connected through roads, the grey are the major road with major traffic. Light pink are the developed minor road and have less traffic. Light pink road pass through the lead site.

VEGETATION

Vegetation is average around the site. Large open spaces are around the site on which vegetation is very less adjacent to given plot vegetation is very rich.

BUILDING TYPES

Site has mostly neighbouring with private buildings, commercial shops and house.

ROAD CONNECTIVITY

OVERCROWDING

STREET LIGHT LAYOUT

Overcrowding Zone

Electricity pole at the road aside the site

UTILITY SERVICES

DRAINAGE:

The proper drainage facility is not available in the village.

WATER SUPPLY:

The proper water pipeline is available in the village.

ELECTRICITY:

The proper electricity facility is available in the village.

SURROUNDING INFLUENCE

As the site is located in Kushinagar district Buddhist architecture is influenced in the region. Elements: Arches, Domes will be used in design
Exposed brick and concrete as it is economical material will be used.

USE OF BRICK JALI FOR NAUTRAL AIR VENTILATION AND PRIVACY.

USE OF EXPOSED BRICK AND CONCRETE

DESIGN INSIGHTS WHILE PLANNING

•GRID PLANNING: Directing the movement and giving a sense of order and circulation

•NATURAL LIGHTING: Potential of natural lighting in complex through skylights, openings.

•FOCUL POINTS: Landmarks in Complex

•SUSTAINABILITY: To provide appropriate environment for habitation
- Use of Local materials

•Buildings with large open space in between will promote unrestricted air movement.

•Open Lunge spaces are provided to merge inner spaces with outer.

•Create interaction between the spaces created.

•Integration of open spaces

•Ease of interaction with various departments.

TRANSGENDER COMMUNITY

Life style of the transgender community

USE OF THE SYMBOL SHAPE IN THE DESIGN

MAKING UNIQUE SPACES TO GATHER

USE OF THE COLOUR USED IN THEIR FLAG

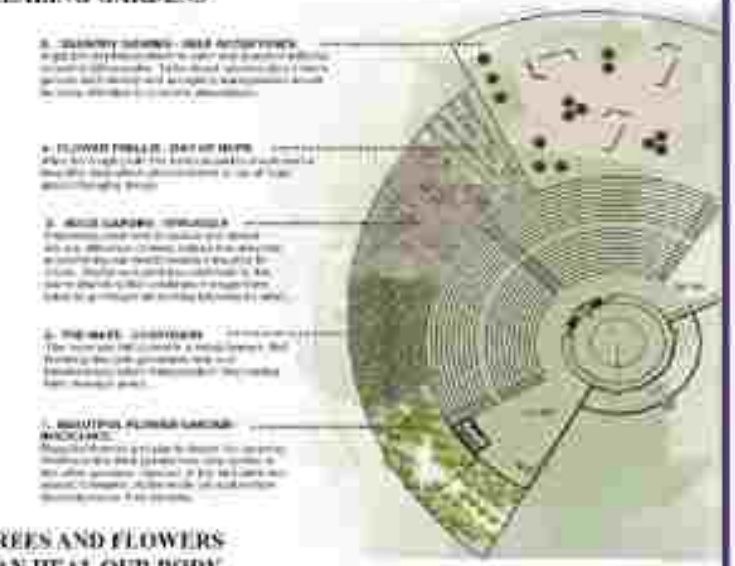
USE OF THE UNIQUE NAMES FOR THE SPACES IN THE DESIGN

HEALING SPACE

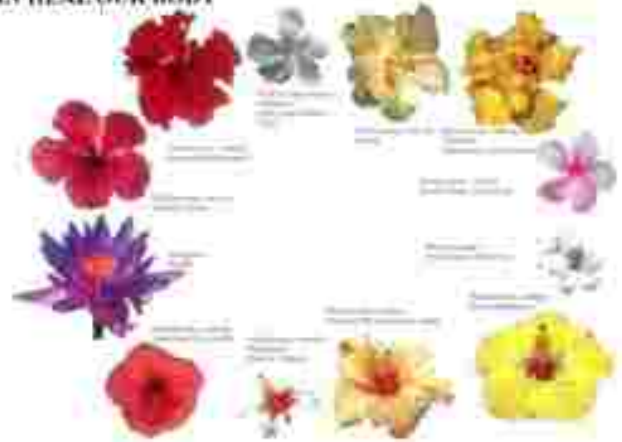
COURTYARD

Courtyard plays an important role in this building as they create interaction

HEALING GARDENS

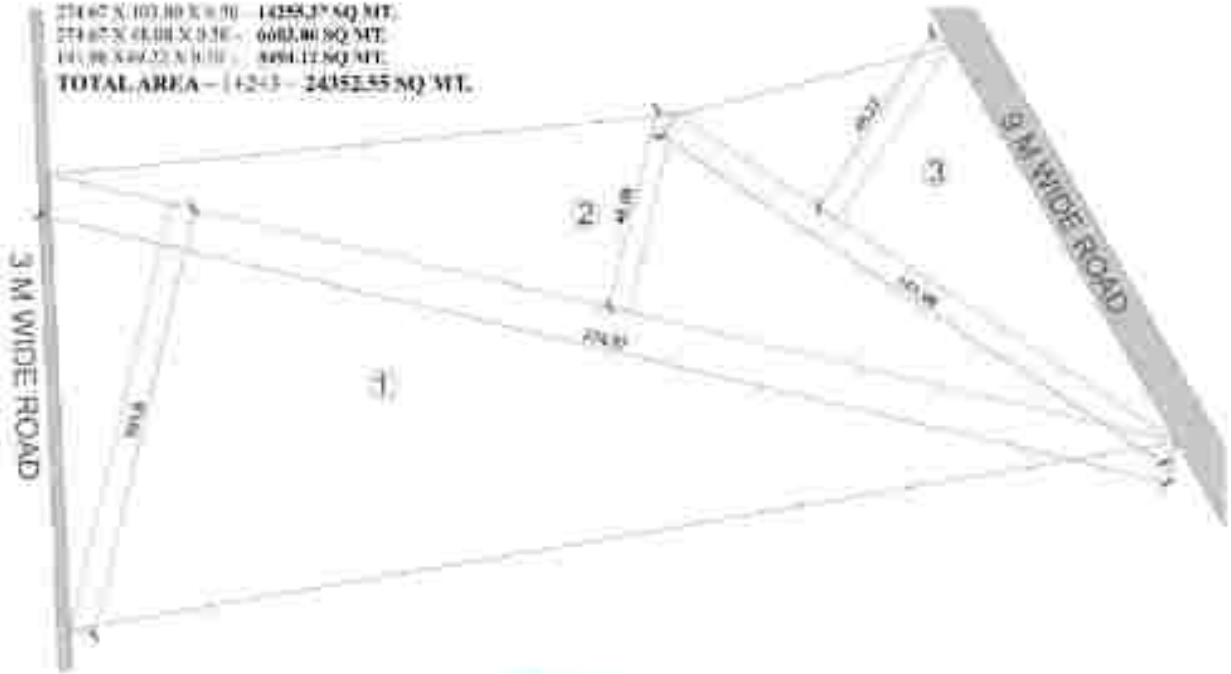


TREES AND FLOWERS CAN HEAL OUR BODY



AREA CALCULATION BY TRAINGULATION METHOD (FORMULA- (WIDTH X HYPO. X 0.5)

274.67 X 103.80 X 0.70 = **14259.37 SQ MT.**
274.67 X 48.08 X 0.5E = **6603.80 SQ MT.**
141.98 X 69.22 X 0.70 = **6804.12 SQ MT.**
TOTAL AREA – 1+2+3 = 24352.55 SQ MT.

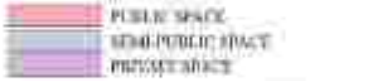


BUBBLE DIAGRAM:

TO SHOW THE CONNECTIVITY AMONG ALL THE SPACES.

ZONNING DIAGRAM:

TO SHOW THE ZONE OF THE SPACE



ZONNING DIAGRAM: 1

ZONNING DIAGRAM: 2

ZONNING DIAGRAM: 3

PROPOSED SITE INFORMATION

SITE AREA:- 24,281 Sqmt.(6 Acre)
ROAD WIDTH:-
Major road -9 m
Minor road -5 m
SITE F.A.R :- 1.50
SET BACK :-
Front side :- 9 m
Rear side :- 6 m
side :- 4.5 m

• LAND COVER & F.A.R-

[illegible]	40	1.50
[illegible]		
• [illegible]	40	1.50
• [illegible]	30	2.00

LAND COVER- 30%
Total site area : -24,281 sqmt.
24,281x0.30
= 7284.3 sqmt.

F.A.R -2.00
Total site area: -24,281 sqmt.
24,281x2.00
=48,562.00 sqmt.

***BYE-LAWS-**
GORAKHPUR DEVELOPMENT AUTHORITY BUILDING CONSTRUCTION AND DEVELOPMENT BYE-LAWS

• SET-BACK-

SET BACK:-
TOTAL SITE AREA:- 24,281 sqmt.
FRONT SET BACK:- 9 M
REAR SET BACK:- 6 M
SIDE SET BACK:- 4.5 M

• BUILDING HEIGHT PERMISSION

BUILDING HEIGHT CALCULATION:-
ROAD WIDTH:- 9 M
FRONT SET BACK:- 9 M
= 9 + 9 = 18 m X 1.5
= 27 m

• PARKING REQUIREMENTS

PARKING CALCULATION
TOTAL FLOOR AREA: 7265 sqmt.
PER 100 sqmt. 1 ECS : 7265/100
=73 ECS

REQUIREMENTS FOR DISABLED PERSONS

❖ GARIMA GREH GUIDELINES

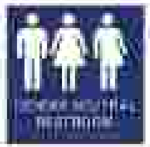
- Space Requirements

*The Garima Greh shall, as far as possible, have a minimum area for residents as per the following norms.

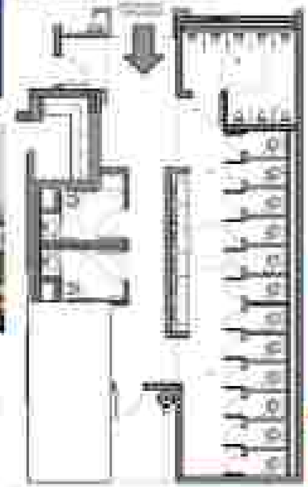
*The following requirements are given per 25 people.

BUILT-UP & NON BUILT-UP AREA FOR GARIMA GREH (Appx)	
Rooms or dormitory for residents (Appx 50 sqft per resident)	1250 sqft
Medical cum counseling room	200 sq feet
Recreational place	400 sq feet
Storeroom	100 sq feet
Bathroom	200 sq feet (4 numbers)
Toilets	200 sq feet (4 numbers)
Office room	150 sq feet
Staffroom	100 sq feet
Skill-development room	400 sq feet
Total built-up space	3000 sq feet

GENDER-NEUTRAL TOILETS
Gender neutral toilets or bathrooms which can be used by anyone, regardless of gender. While anyone can use a gender-neutral toilet, they are particularly important for trans and non-binary students and staff who may feel unsafe or unable to use gendered bathrooms.



*EXAMPLE OF THE GENDER-NEUTRAL TOILET



SHEET NO. 13

SITE PLAN & SECTIONS

SCALE :- 1:200

SECTION AA'

SITE PLAN

AREA STATEMENT

TOTAL SITE AREA- 24,251 sqmt.

LAND COVER- 30%

BUILT UP

OPEN SPACE

AMENITIES

PARKING STATEMENT

INSTITUTE PARKING

SHOPS PARKING

PROPOSED AT KUSHINAGAR UTTARPRADESH

SHEET NO. 14

ADMIN BLOCK

SCALE - 1:100

ELEVATION

EXTERIOR VIEW

SECTION AA'

SECTION BB'

GROUND FLOOR PLAN

WAITING AREA

VISITATION ROOM

RECEPTION

RECEPTION

OFFICE

EXTERIOR VIEW

KEY PLAN

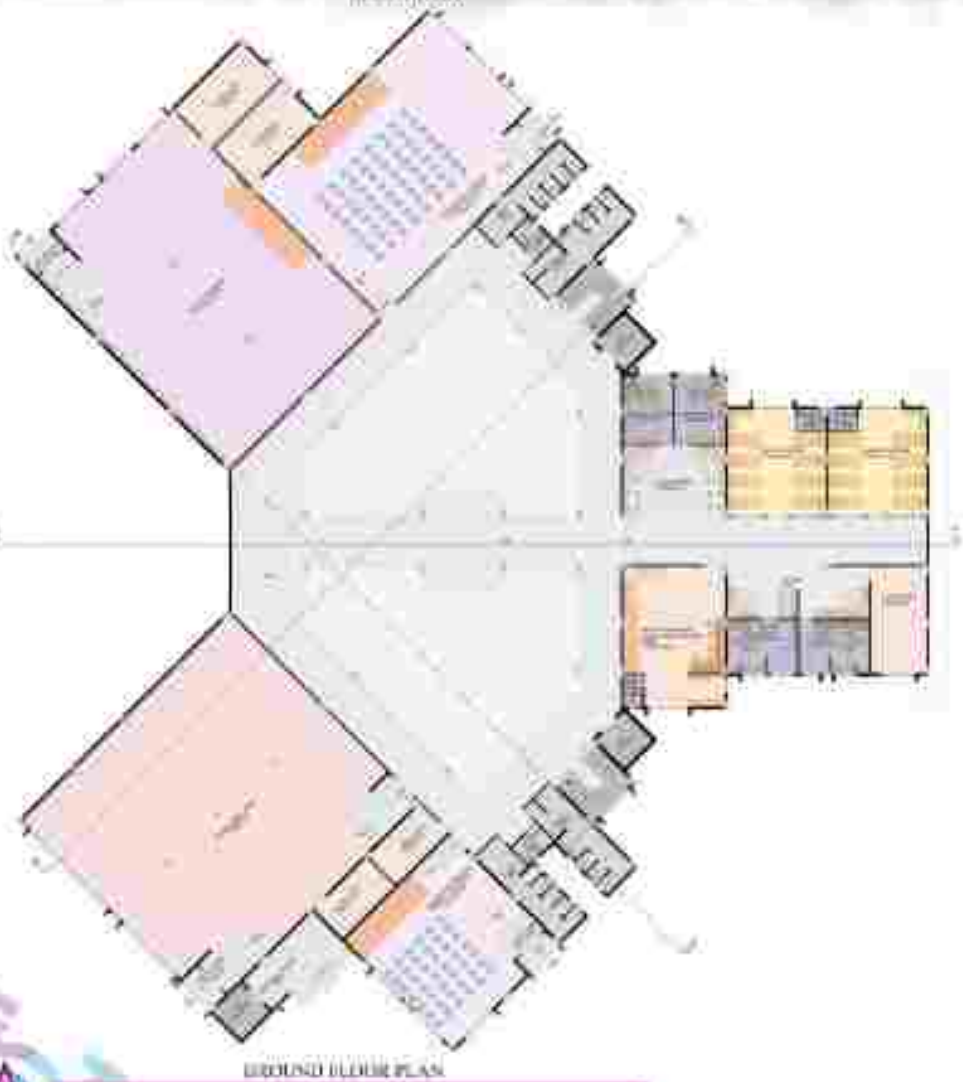
PROPOSED AT KUSHINAGAR,UTTARPRADESH

ACADEMIC BLOCK

SCALE : 1:200

SECTION AA'

ELEVATION



GROUND FLOOR PLAN

FIRST FLOOR PLAN

SITE PLAN

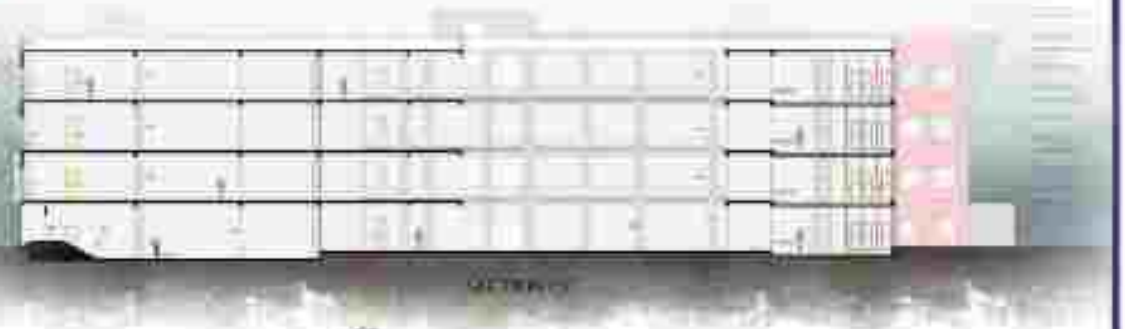
PROPOSED AT KUSHINAGAR,UTTARPRADESH

SHEET NO: 16

ACADEMIC BLOCK

SCALE : 1:200

SECTION XX



SECTION YY

SECOND FLOOR PLAN

THIRD FLOOR PLAN

KEY PLAN

PROPOSED AT KUSHINAGAR,UTTARPRADESH

ACADEMIC BLOCK VIEWS

LOBBY

STAIRCASE BLOCK

LOBBY

FRONT VIEW

FRONT VIEW

BACK VIEW

PERSONALITY DEVELOPMENT CLASS

FRONT VIEW

GARDENING CLASS

SHEET NO. 18

HOSTEL BLOCK

SCALE - 1:100

SECTION

SECTION BB'

ELEVATION

GROUND FLOOR PLAN

FIRST, SECOND & THIRD FLOOR PLAN

BUILDING VIEW

ROOM VIEW

ROOM VIEW

COMON AREA

CITY PLAN

PROPOSED AT KUSHINAGAR,UTTARPRADESH

SHEET NO: 19

DINING BLOCK

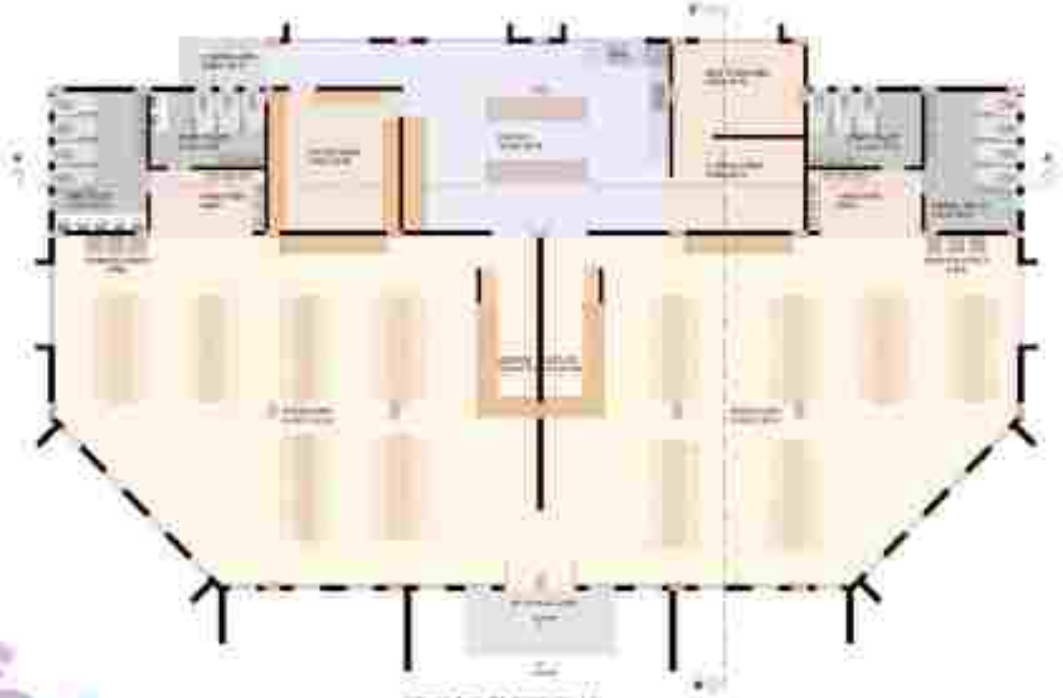
SCALE : 1:100

ELEVATION

BUILDING VIEW

SECTION AA'

SECTION BB'



GROUND FLOOR PLAN

KITCHEN AREA

DINING AREA

KEY PLAN

PROPOSED AT KUSHINAGAR,UTTARPRADESH

SHEET NO 20

SHOP

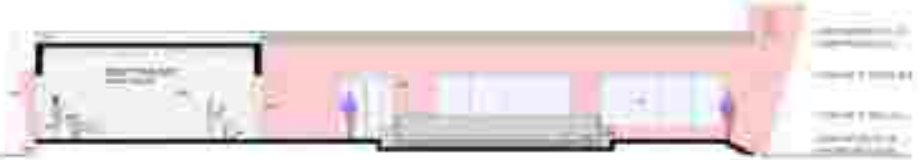
SCALE - 1:100

ELEVATION

BUILDING VIEW

CAFETERIA

SECTION BB'



SECTION A A'

GROUND FLOOR PLAN

CAFETERIA

BEAUTY PARLOUR

BEAUTY PARLOUR WAITING AREA

BUILDING VIEW

KEY PLAN

PROPOSED AT KUSHINAGAR,UTTARPRADESH

SHEET NO 21

LANDSCAPE SHEET


CORNER SEATING AT YOGA GARDEN


YOGA GARDEN


SPACE FOR GARDENING ACTIVITIES


YELLOW COSMOS & LAVENDER PLANT


SEATING SPACE


CENTRAL GARDEN


BAMBOO PLANT


WHITE JASMIN


YELLOW TULIP


GOLDEN SHOWER TREE


POPLAR TREES


MORNING GLORY SHRUB


ORCHID FLOWER


HYDRANGEA BLUE AND PINK FLOWER


SILVER MAPLE TREE & FOX TAIL PALM


JAPANESE MAPLE TREE


FARLTIR PALM


PLAYGROUND


COCONUT TREE
FOX TAIL PALM
CHAITA
HIBISCUS


DIVIDER USED FOR PROPER VEHICULAR ENTRY AND EXIT


SWAMP ROSE MALLOW


HOSTEL GARDEN


BAMBOO TREE
FEATHER REED GRASS
MONEY PLANT


FAN PALM TREE

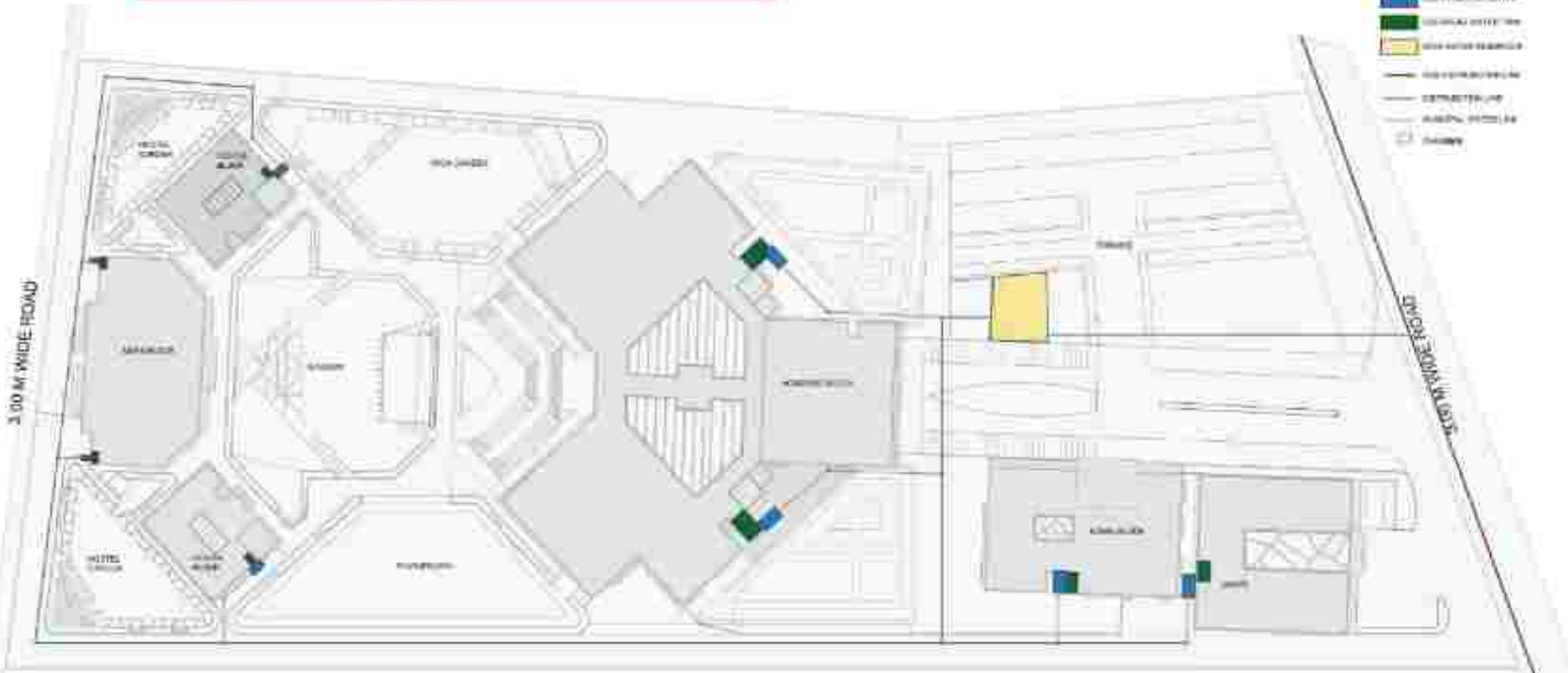

HEDGE PLANT

SITE PLAN

PROPOSED AT KUSHINAGAR,UTTARPRADESH

SHEET NO. 22

WATER SUPPLY LAYOUT



WATER TANK CALCULATION

Academic block -
120 student
20 staff
10 peon
Total people -**150 People**
45 litre per day
provision of water
150 x 45 = **6750 litre**
As this block contains Cooking & Salon class take **25 litre** per student
So = 120 x 25 =**3000 litre**
TOTAL = 6750 + 3000= **9750 litre**

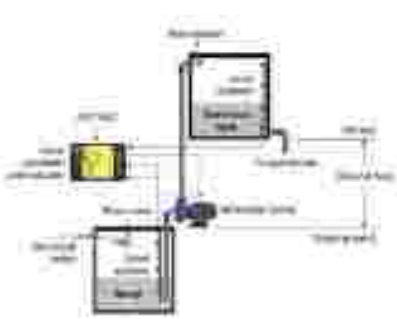
Hostel block -
130 student
10 staff
Total people - **130 People**
180 litre per day
Provision of water 130 x 180 =**23400 litre**

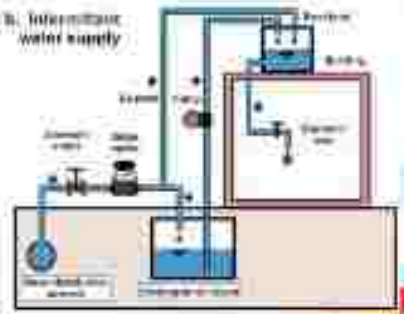
Mess block -
120 student
20 staff
Total people - **150 People**
70 litre per day
Provision of water 150 x 70 =**10500 litre**

Admin block -
15 staff
20 visitors
Total people - **35 People**
45 litre per day
Provision of water 45 x 35 =**1575 litre**

Shops block -
15 staff
40 visitors
Total people- **55 People**
45 litre per day
provision of water 45 x 55 = **2475 litre**

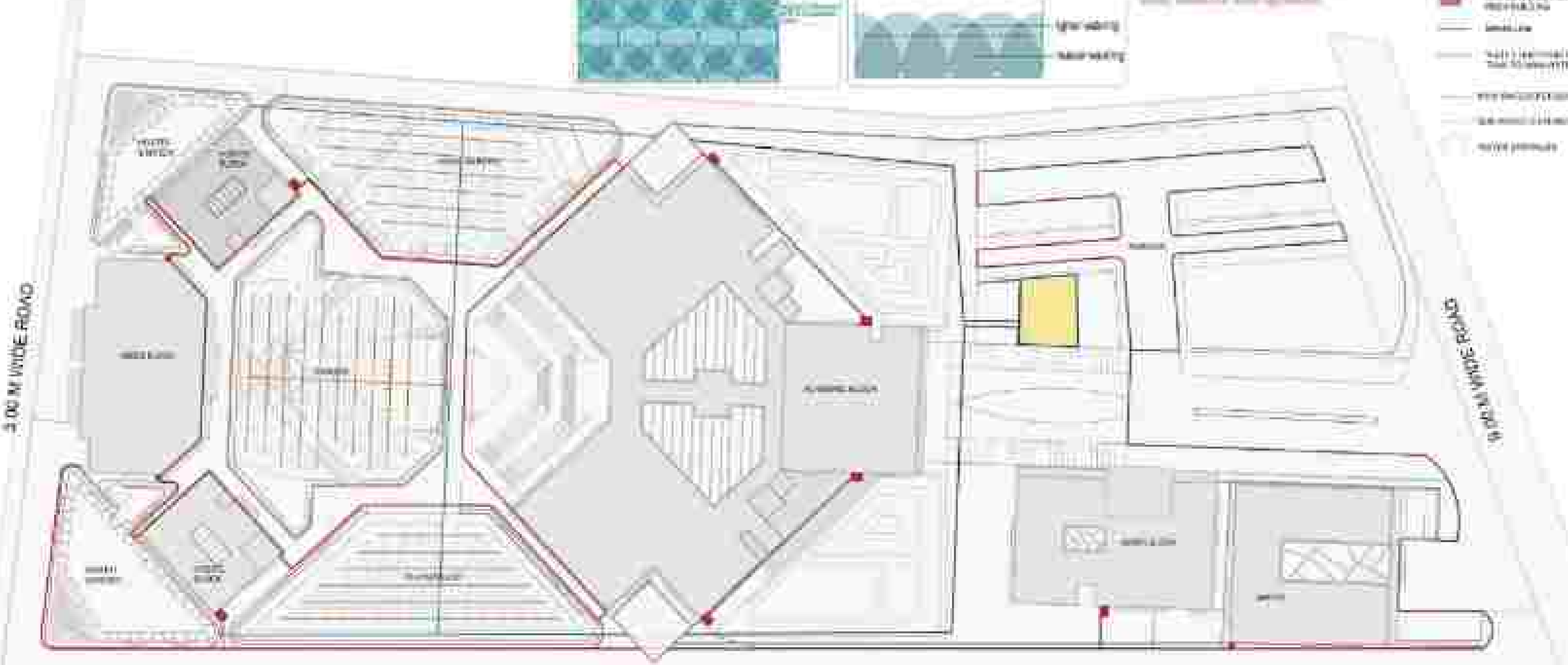
WATER CIRCULATION PROCESS FROM MUNICIPAL WATER SUPPLY UP UNDER GROUND WATER





PROPOSED AT KUSHINAGAR,UTTARPRADESH

Sprinkler System



RAINWATER HARVESTING CALCULATION

ROAD & PATHWAYS -
AREA -4916.36 SQ.MT
COEFFICIENT-0.65
TOTAL =AREA X COEFFICIENT
=4916.36X0.65
=3195.40 litre

ROOF TOP OF BUILDING -
AREA - 4951.20 SQ.MT
COEFFICIENT-0.85
TOTAL =AREA X COEFFICIENT
=4951.20X0.85
=4122.35 litre

GARDEN -
AREA -3679.54 SQ.MT
COEFFICIENT-0.20
TOTAL =AREA X COEFFICIENT
=3679.54X0.20
=735.80 litre

TOTAL RAINWATER COLLECTED- (GARDEN + ROOF TOP OF BUILDING + ROAD&PATHWAYS) X ANNUAL RAINFALL
=3195.4 + 4122.35 + 735.80 X 1200mm(1.2m)
=10414.33 litre
=10.50 cubic meter

TANK SIZE = 2.5X2.5X1.8 (2 NOS.)

RAINWATER HARVESTING PROCESS

COLLECTING WATER FROM ROOF

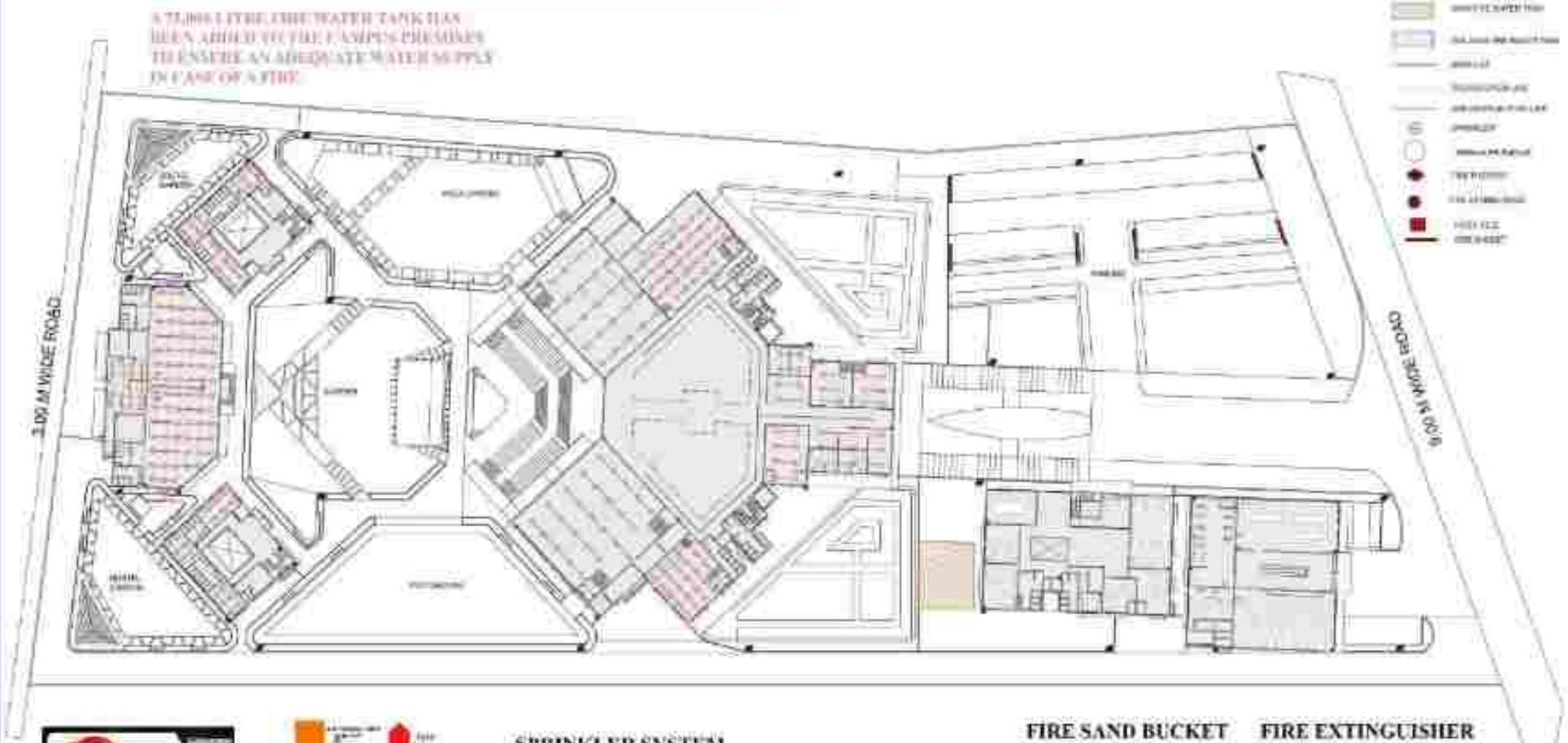
COLLECTING WATER FROM PATHWAYS

DRAIN PIPES

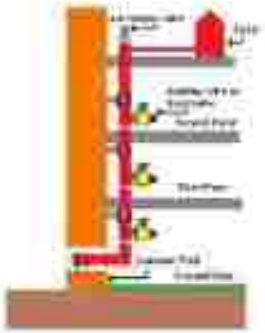
SHEET NO 24

FIRE FIGHTING SLAYOUT

A 72,000 LITRE FIRE WATER TANK HAS BEEN ARRIVED TO THE CAMPUS PREMISES TO ENSURE AN ADEQUATE WATER SUPPLY IN CASE OF A FIRE

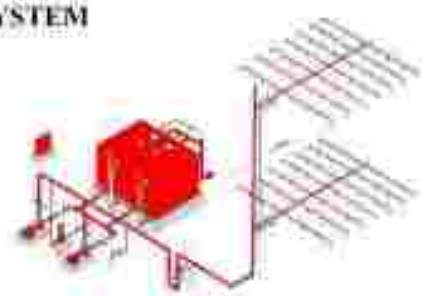


HOSE REEL



HOSE REEL

SPRINKLER SYSTEM



FIRE SAND BUCKET

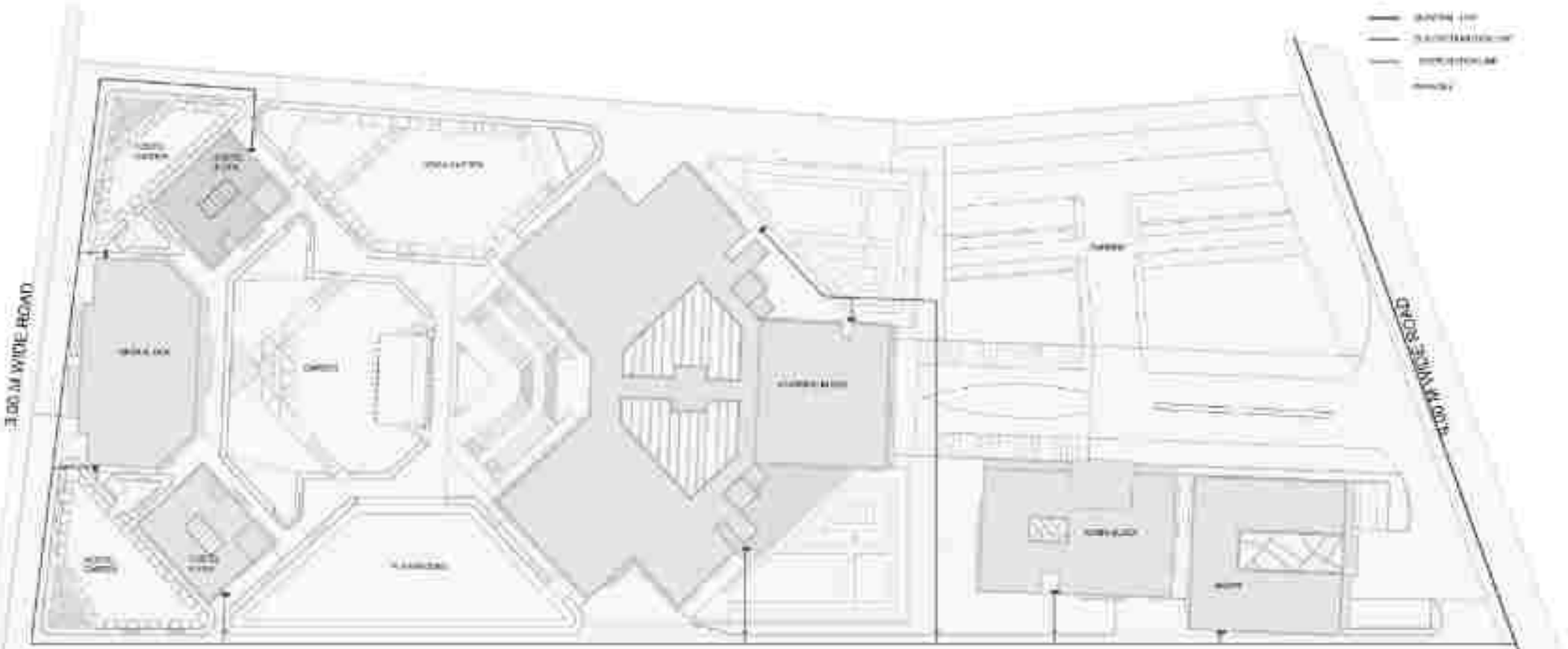
FIRE EXTINGUISHER

PROPOSED AT KUSHINAGAR,UTTARPRADESH

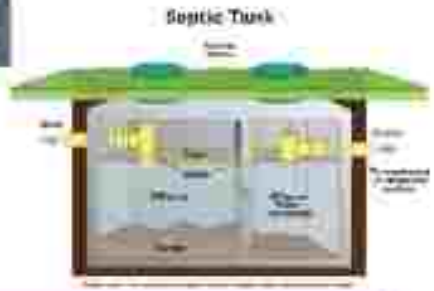
SHEET NO 25

DRAINAGE LAYOUT

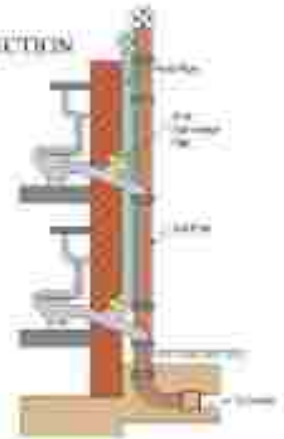
LEGENDS



MANHOLE



PIPELINE CONNECTION IN BUILDING



PARTS OF MANHOLE

PROPOSED AT KUSHINAGAR,UTTARPRADESH

VIEWS

SHOPS

VIEW OF ACADEMIC BLOCK

MAIN ENTRY

CENTRAL GARDEN

CENTRAL GARDEN

ADMIN VIEW

PLAYGROUND

HOSTEL GARDEN

SERVICE ENTRY

LOADING/UNLOADING AREA

VIEW OF CENTRAL GARDEN FROM HOSTEL

OPEN AMPHITHEATRE

STAGE FOR OUTDOOR FUNCTION

GARDENING AREA

YOGA GARDEN

PARKING