

THESIS REPORT ON

**NATIONAL SKILL AND CRAFT TRAINING INSTITUTE
NEEMRANA, RAJASTHAN**

**A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF**

BACHELOR OF ARCHITECTURE

BY

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THESIS GUIDE

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SESSION

2019-2020

TO THE

SCHOOL OF ARCHITECTURE AND PLANNING

BABU BANARASI DAS UNIVERSITY

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INTRODUCTION :-

Chapter 1- Introduction

1.1 Background- Introduction

National Skill Training Institute (Formerly Advanced Training Institute) is one of the premier institutes run by the Directorate General of Training (DGT), **Ministry of Skill Development and Entrepreneurship**, Government of India. **Pradhan Mantri Kaushal Vikas Yojana** (PMKVY) is the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE). The objective of this Skill Certification Scheme is to enable a large number of Indian youth to take up industry- relevant skill training that will help them in securing a better livelihood.

Skills and knowledge are the driving forces of economic growth and social development for any country. Countries with higher and better levels of skills adjust more effectively to the challenges and opportunities in world of work (Preamble,(NSDC,2014). India is an emerging economy .The main vision of these initiatives were to empower all individuals through improved skills, knowledge, nationally and internationally recognized qualifications to gain access to decent employment and ensure India's competitiveness in the global market. This will not only increase the working efficiency, but will also help in improving earning capacity of the country which will lead to better and improved living conditions.

The initiatives dictates that there is a need for institution which can provide the people with the required knowledge which is essential to serve the society. These centres will train the worker for a specific task/job where the society is facing shortage after a counselling. After completion of the course, the person is expected to be indulged in the job or pursue higher education. These institutions

can be multi skill institutes established in the demand areas like emerging town, industrial areas, etc. (MSDE, 2014).

2. Aim

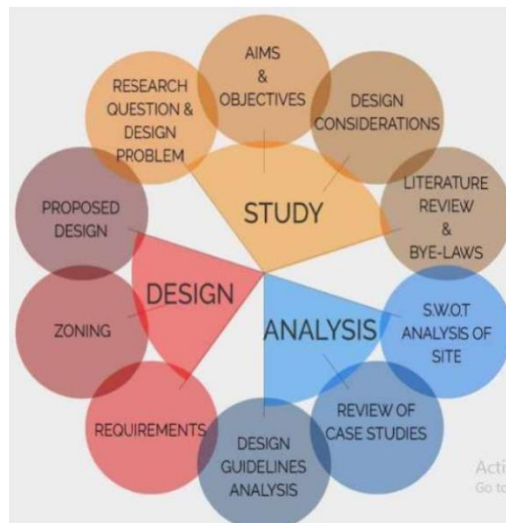
The aim of the project is to design a National skill training institute with the capacity of 800 students, which provides all the necessary facilities and services to the working section of the society at Neemrana. The aim is also to understand and design according to the guidelines provided by the Ministry of Skill Development and Entrepreneurship .

3. Objectives

- To study why there is a need of these skill development centres.
- To study and understand the Functionality of skill development centres.
- To study case examples for identification of problems.
- To develop concept based on design criteria and present It in terms of design, drawings and models
- To explore how architecture can inform these skills or provides spaces and events where workshops can take place.
- To explore how technical trainings and cultural training can be merged into a single space.
- To design the spaces and zones which helps for the training workshops .

4. Methodology

- Finalization of the topic
- Understanding of the project.
- Data Collection
 - Study and site analysis
 - Literature Study
 - Case study
- Analysis of requirement, issues, Constraints and its potential.
- Final Distribution of Area
- Design Development
- Final Design And development



Methodology of work

5. Scope and limitations

- This project will help in developing the skills for the youth to get employment with in the city such as in RIICO industrial zone and other industrial areas as well.
- State Government has already identified and designated the land for developing the region as Global City.
- Availability of huge Land parcels of land at comparatively lower prices and Proximity to the NH-8 and the Dedicated Freight Corridor would provide added value to the investors in the region. Potential industry sectors at the investment region include automobile, Biotechnology, IT/ITES and Health Sector.
- With all these initiatives Industry sector is growing with a higher rate in this region, which demands the need for skilled labour.
- This investment region is proposed to be provided with an Airport Complex having an air strip and other integrated facilities that would cater to the needs of business visitors.
- Feeder Rail Links: Development of Regional MRTS L linkage between Delhi, Manesar and Neemrana.

Workforce Demand & Supply Gap							
Sectors	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Unskilled	425208	496494	501899	553532	581176	617811	643925
Semi-skilled	127262	135740	138040	142805	144915	149300	151547
Skilled	84957	92453	87350	90907	88286	88768	86661

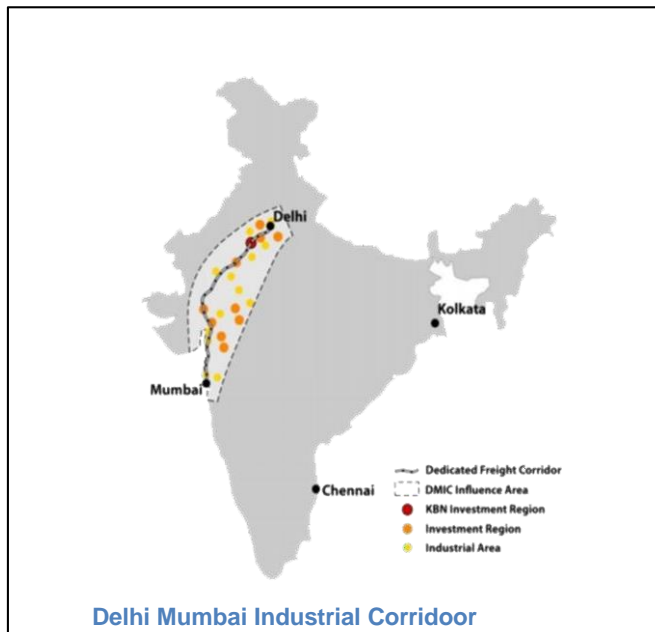
Workforce Demand and supply Gap

Sectors	Skilled	Semi-Skilled	Unskilled
Automobiles & Auto Components			
Food processing			
Electronics Hardware			
Handloom & Handicrafts (includes wooden & paper)			
Textile & Garments			
Building, Hardware & Home Furnishings			
Leather & Leather Goods			
IT/ITES or software			
Chemical & Pharmaceuticals			
Gems & Jewellery			
Tourism, Hospitality & Travel			
Building & Construction			
Transportation/logistics/warehousing & packaging			
Organized Retail			
Real Estate			
Education/ Skill Development			
Banking, Insurance & Finance			
Healthcare			
Machinery, Electricals & Manufacturing			
Mining, Minerals & Metals (includes stone quarrying)			
High Requirement			
Medium Requirement			
Low Requirement			
Emerging Requirement			

Need Of the labours in different Sectors in Alwar District

District /Sectors	Units	Employment	Investment (Rs lakhs)
Agriculture & Allied	773	3135	7038.24
Auto & Auto Components			
Chemical & chemical products	481	5028	17604.79
Construction Material & Building Hardware			
Electronics & IT Hardware			
Food Processing (beverages & tobacco)	9	218	1021.58
Furniture & Furnshing	3022	5332	2321.26
Leather & leather goods	1807	3206	807.56
Gems & Jewellery			
Retail			
Textile & Handloom	2833	2790	9405.03
Unorganized Sector	4607	10300	5988.46
Building Construction & Real Estates			
Education & Skill Development			
Healthcare			
IT & ITES			
Tourism, Travel, Hospitality & Trade			
Transportation, Logistics, ware housing &	64	728	1794.71
Paper Based	100	925	2203.00
Mines, Metals & Minerals	5054	15810	38642.04
Machinery, Electricals & Manufacturing	2185	18010	35833.25
High	Units>200, investment>1000, emp>1000 – all applicable		
Medium	Units>100, investment>200, emp>750- all applicable		
Low	Units> 10, investment> 30, emp>30 – all applicable		
Emerging	Investment & demand based sectors of district-DIC		

INVESTMENT AND DEMAND BASED SECTOR OF DISTRICT



1. *MSME in Alwar*

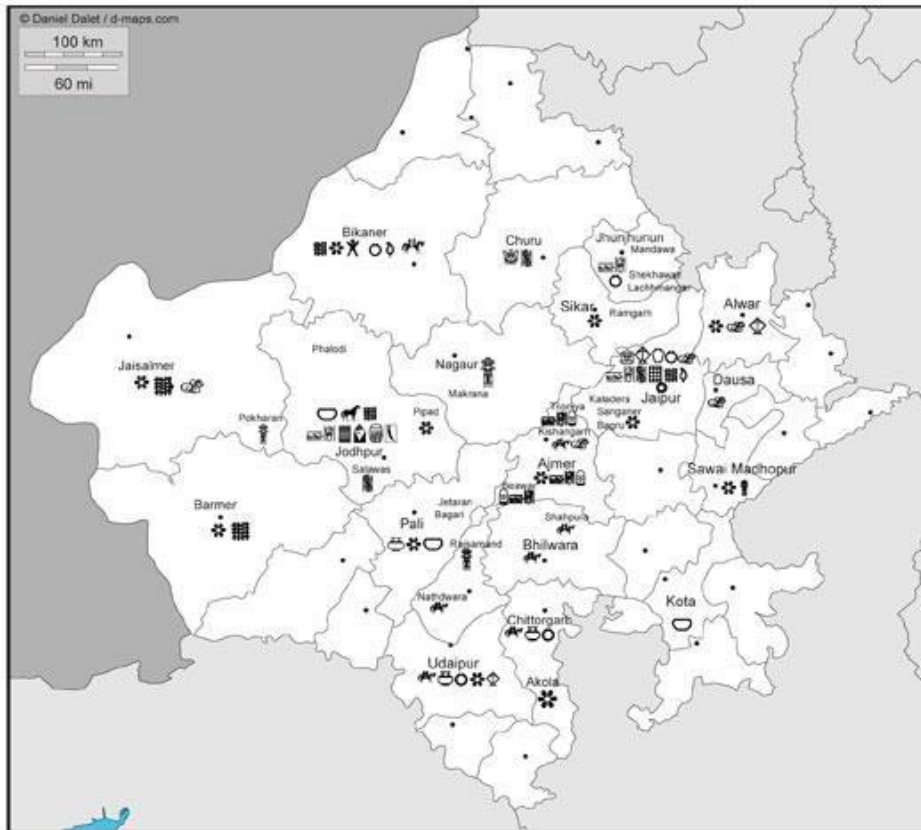
According to D.I.C data (March, 2009), there were around 22201 MSME units set up in the district which were registered in D.I.C. These industries have a capital investment of Rs.131398.35 lakhs providing employment to 89907 person. There are 87 large units working in the district. The type of industries registered were in leather, textile, handicrafts, mineral based, agro-food based, wood based, paper based, electrical based etc. Demand based, resource based and ancillary industries included automobiles, engineering based industries packaging and services, textiles and leather, cement, food processing industries.

2. *Crafts Works In Alwar*

- Textile Handprinting
- Dabu Printing
- Block Printing
- Stone Carving

- Marble Carving
- Paper Crafts
- Handmade Paper
- Bahi Cloth Notebook

Rajasthan



Index

- Pottery & Clay (Blue pottery)
- ☞ Terracotta: Votive (Maati ro kaam)
- ☞ Textile: Hand Embroidery (Razai - quilt, Gota, Meghwal embroidery)
- ☞ Textile: Hand Printed / Dyed (Block printing, Bandhej & Leheriya, Dabu - Mud resist printing)
- ☞ Textile: Handmade (Felt product, Rattu wear, Camel trappings)
- ☞ Dhurries & Rugs (Ranajdhurie weaving)
- Jewellery (Kundan Jada, Meenakari ware, Thewa - gold leaf work, Silver jewellery)
- ☞ Filigree & Silverware
- ☞ Metal ware (Damascening, Metal engraving, Kotgiri - weaponry, Meenakari - enamel work)
- ☞ Metal: Iron craft (Wrought iron work)
- ☞ Wood Carving (Block making, Sandalwood car wood work)
- ☞ Wood: Turned & Lacquered (Paatra kaame Ut making)
- ☞ Wood: Inlay (Tarkashi - metal inlay in wood)
- ☞ Stone Carving (Stone relief & lattice work, Marble carving)
- ☞ Leather: Footwear (Mojar)
- ☞ Leather: Bags & Others
- ☞ Folk Painting (Pah painting, Miniature painting on wood, Usta kaam Gesso painting, Bhitti ch Wall painting, Miniature painting, Kaavad - on shrines, Pichhwal - painted temple hangings)
- ☞ Paper crafts (Hand made paper, Bahi - Cloth b notebooks, Sanji - paper stencils)
- ☞ Theatre & Festival craft (Khatputli - puppets)
- ☞ Dolls & Toys (Gangaur idols)
- ☞ Shell crafts (Seep ka kaam)
- ☞ Horn & Bone
- ☞ Musical Instruments

Crafts Work In Rajasthan

6. Project Description

This Project is the combination of skill training institute and the Institute for the Development of craft and artisan's work. as a result of which it forms the complete package for the states like rajasthan which are having a very rich cultural craft work along with these industrial technical work.

Skill Training Institute

National Skill Training Institute (Formerly Advanced Training Institute) is one of the premier institutes run by the Directorate General of Training (DGT), Ministry of Skill Development and Entrepreneurship, Government of India. Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE).

Institute For Crafts and design

These Crafts institute act as a catalyst of change in the craft sector. The Institute works towards the evolution of crafts and the craft persons in the contemporary socio economic context. Through the

programmes of Education, Research, Documentation, Training, Outreach and Consultancy the Institute strives to become a Centre of Excellence.

- Project Title : National Skill & craft training institute
- Project is a combination of skill training institute and craft training Institute
- Location Of Site : Neemrana, Rajasthan
- Total site area : 26000 Sqm (6.5 Acres)
- Site comes under DMIC (Delhi Mumbai industrial corridor).
- Site is located Near RIICO Industrial Zone Neemrana.
- Client : National skill development corpotaion

3. **About Neemrana**

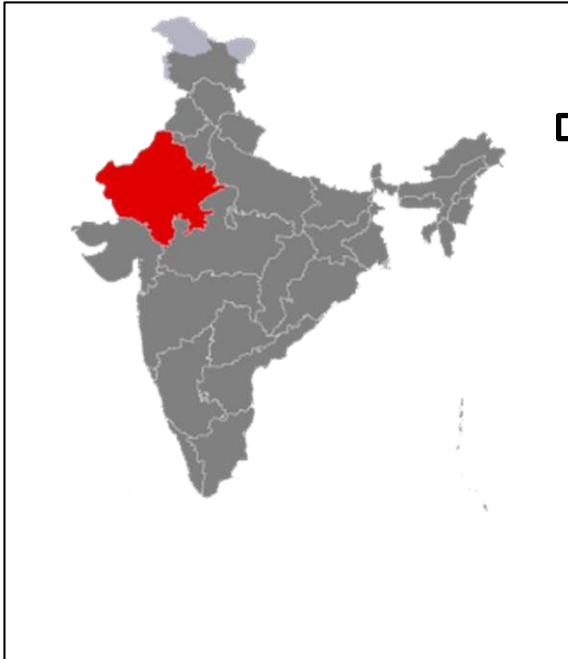
Neemrana is an ancient historical town in Alwar district of Rajasthan, India, situated at 84 km from Gurgaon; 122 km from Delhi and 150 km from Jaipur on the Delhi-Jaipur highway in Neemrana tehsil. It is the site of a 16th-century hill-fort occupied by Chauhans till 1947. The erstwhile ruling family is considered to be of the direct lineage of Prithviraj Chauhan.

- Neemrana is an ancient historical town in Alwar district of Rajasthan, India, situated at 84 km from Gurgaon; 122 km from Delhi and 150 km from Jaipur on the Delhi-Jaipur highway in Neemrana tehsil.
- The Rajasthan government, through Rajasthan Industrial Cooperation (RIICO), has developed industrial zones in various stages in Neemrana in Alwar district in the past several years. Companies from India and abroad have set up their units in these industrial areas and many more new industries are arriving, creating new employment opportunities.
- The Government of India is establishing a Dedicated Freight Corridor between Delhi and Mumbai, measuring 1,483 km. About 39% of the Corridor passes through Rajasthan. A band of 150 km (Influence region) has been chosen on both sides of the Freight Corridor to be developed as the Delhi-Mumbai Industrial Corridor (DMIC).
- Khushkheda-Bhiwadi-Neemrana Investment Region is among the 5 nodes which have been identified in the state of Rajasthan under DMIC.

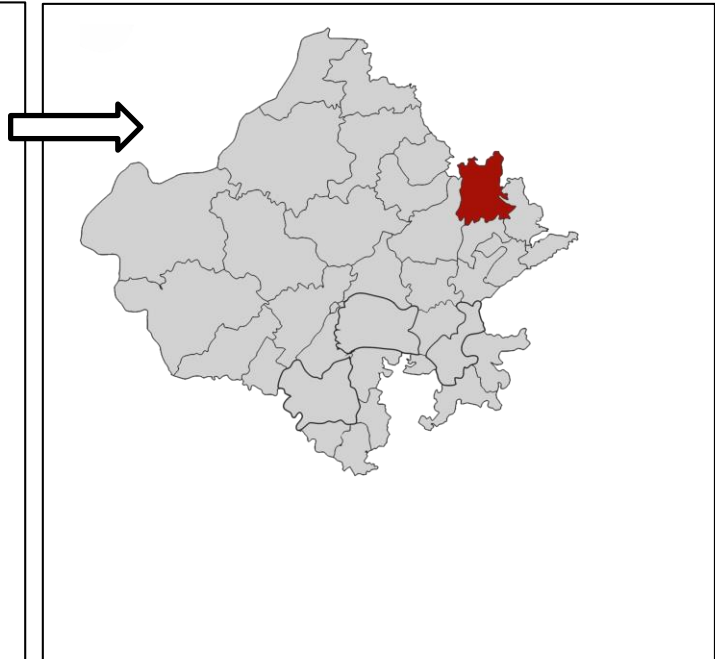
SITE ANALYSIS :-

Chapter 2 – SITE ANALYSIS

2.1 LOCATION AND ACCESSIBILITY



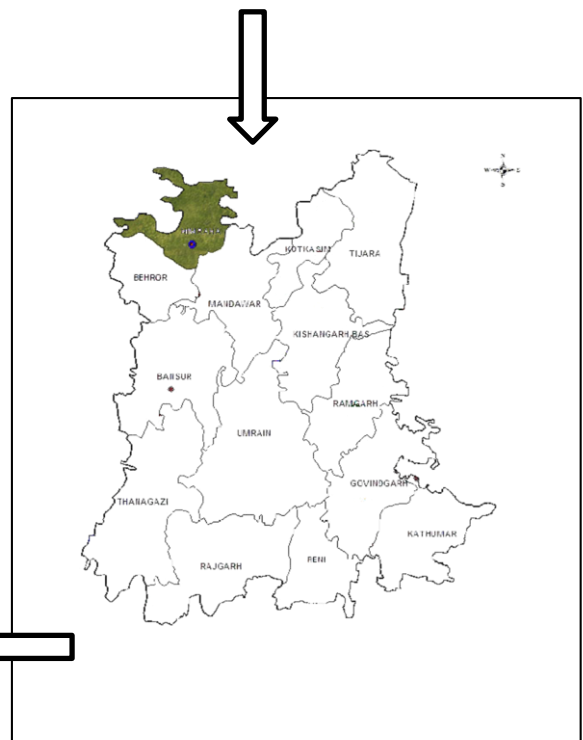
Map Of India



Map Of Rajasthan



Location Of Site In Neemrana



Map Of Alwar

Site is located between the two Capitals Delhi and Jaipur in Neemrana Rajasthan. Site is located at

1.2 kms Distance from the National highway 48 Which is the part of Golden Quadrilateral Project. Neemrana is an ancient historical town in Alwar district of Rajasthan, India, situated at 84 km from Gurgaon; 122 km from Delhi and 150 km from Jaipur on the Delhi-Mumbai highway in Neemrana tehsil

2.2 Site Description

S NO.	SITE MEASURE	DESCRIPTION
1.	Site Area	26304 sq m
2.	Permissible Ground Coverage	40%
3.	Floor Area Ratio	1.5
4.	Set Back	Front -12m Side- 9m
5.	Topography	Flat Land
6.	Soil	Alluvial Soil
7.	Landuse	Abadi Area
8.	Water Supply	Village Water Supply Line
9.	Approach Road	Front Road- 15 m Side Road- 9m

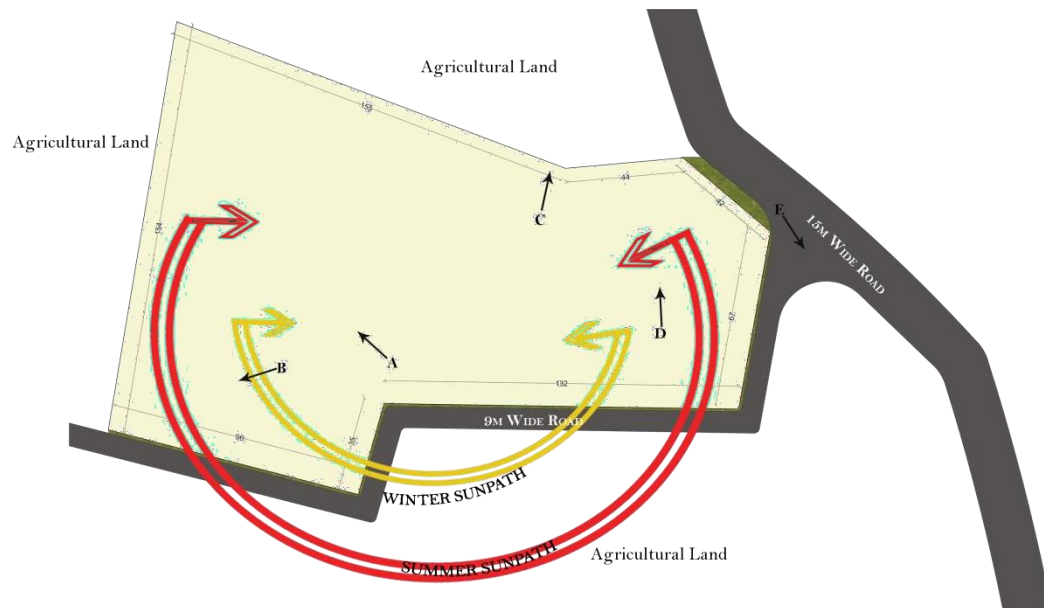
2.2.1 Site Co-ordinates

CORNER	LATITUDE	ALTITUDE
A	27°59'45" N	76°23'00" E
B	27°59'48" N	76°23'02" E

2.2.2 Site Connectivity

Site is Well connected with the Hazipur Narnaul Majri Neemrana Road which is 15m wide and a side road 9 m wide. Apart from the site, it is located at a distance of 1.2 Kms from National Highway 48.(Delhi Mumbai Highway).

S NO.	INFRASTRUCTURE	DISTANCE
1.	Railway Station	35 km (Rewari Junction)
2.	Airport	105 km (Indira Gandhi International Airport)
3.	Bus Station	3 km (Neemrana Bus Stand)



Proposed Site

2.2.4 Site Surroundings

East : 15m Wide Road

West: Vacant land

North: Govt. Inter College

South : 9m wide road



Site Pictures

3. SWOT ANALYSIS

1. Strength

- Presence of project in a demand centre.
- Presence near the old settlement at the outer core of the Town
- School located adjacent to the site.
- Presence of views all around the site.
- Proposal of Airport near the site.
- Town Connected to Delhi Mumbai Industrial Corridor.
- Site is Located in RIICO Industrial Zone.

2. Weakness

- Scarcity of water, reduction of trees and vegetation.
- Narrow roads and streets
- Absence of public transport network
- Absence of services like drainage and sewage.
- Small site frontage.
- Roads and streets are poorly maintained.
- Absence of Railway Station and bus-terminal site.

3. Opportunities

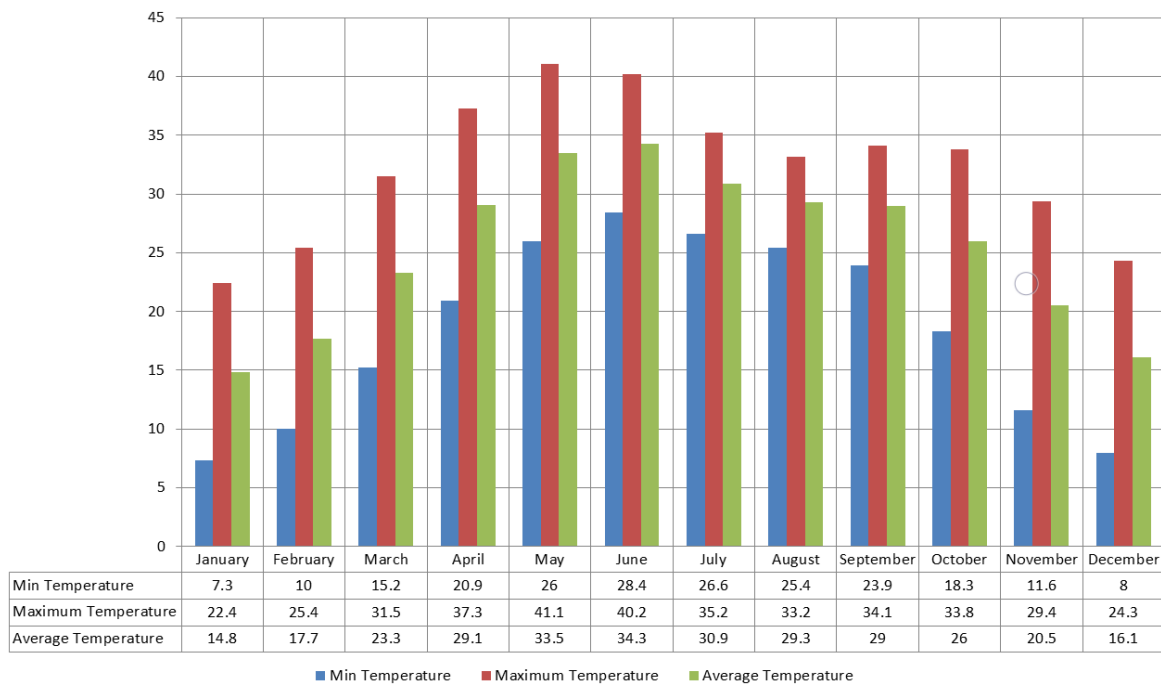
- Possibility of future expansion
- Revenue generation by utilising potential which lies in the historic tourist site nearby.
- One of the kind centre in its vicinity.
- Presence of industries nearby for support and collaboration.
- Proposal of Airport near the site.

4. Threats

- Harsh Climate Of Rajasthan
- Earthquake Zone IV
- Very low Depth To water Level
- Site is 1.5 m Down From the Road Level

4. Climate Analysis

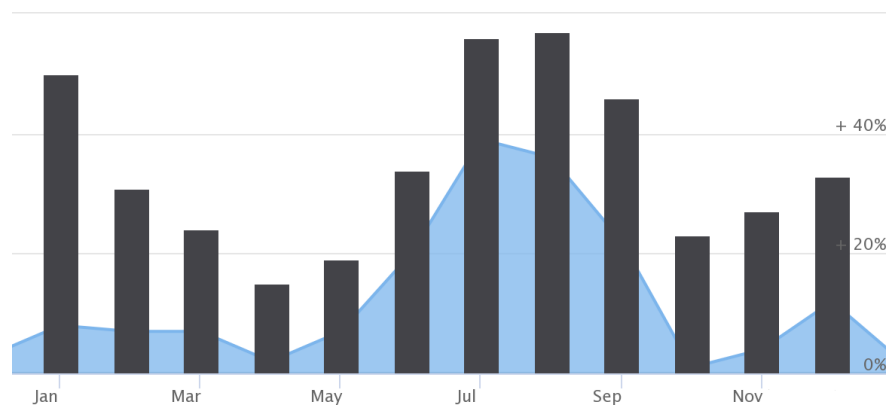
1. Temperature



Temperature Graph Of Neemrana

- In the winter season, the temperature ranges between 7°C and 30°C.
- The temperature during summer months range from 23°C to 43°C.

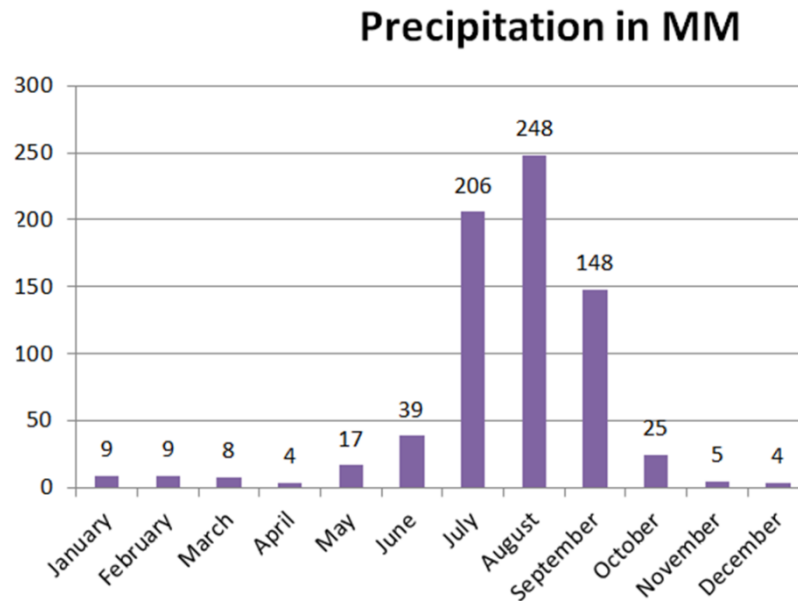
2.4.2 Humidity



Humidity Graph Of Neemrana

The humidity of Neemrana is low upto 15 % in the month of April while it do not varies more than 50 % even in the month July .

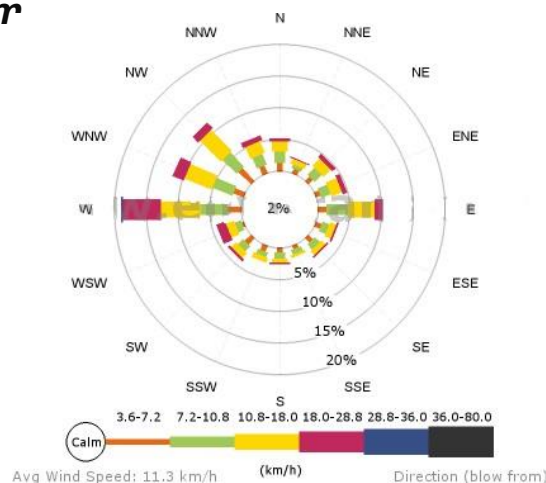
2.4.3 Precipitation And Rainfall



Precipitation in Neemrana

From the above Graph It is clear that alwar district Receives maximum rainfall in the month of July, August, September. It is also clear from the map that Neemrana Tehsil Receive minimum Rainfall within the alwar region (550 mm anually).In Neemrana Monsoon comes in August and lasts till October. The period offers a moderate level of precipitation with the average contribution of 50 cm, In reality, rainfall comes as blessing in the city since temperature remains high all through the year. During July, the wettest month of the year, Neemrana receives more than 143 mm of rainfall.

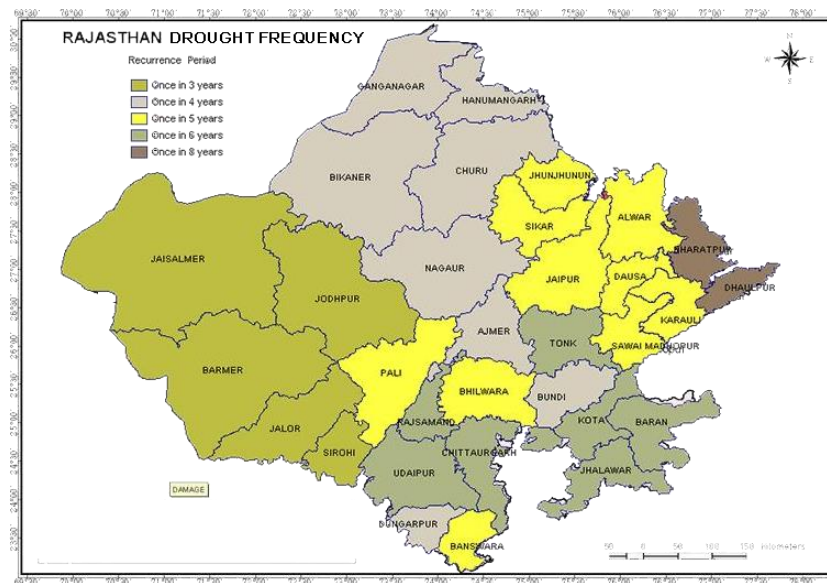
2.4.4 Wind Rose Diagram



Wind Rose Diagram Of Alwar

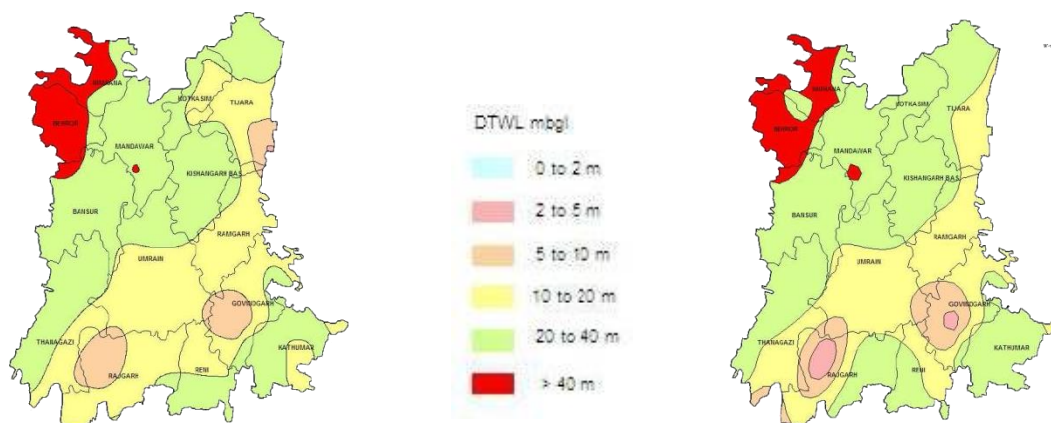
2.4.5 Drought Frequency

Based on the above map, the proposed project falls under the area Having drought frequency once in a 5 years. It States that the chances of drought in alwar is 20 % within a year . Alwar has already faced this Calamity 12 times after the independence .At the time of Drought the villages of Alwar were dependent on trickling government water supply and tankers to quench the thirst of its residents and livestock.



Drought Frequency Map Of Alwar

2.4.6 Depth To Water level



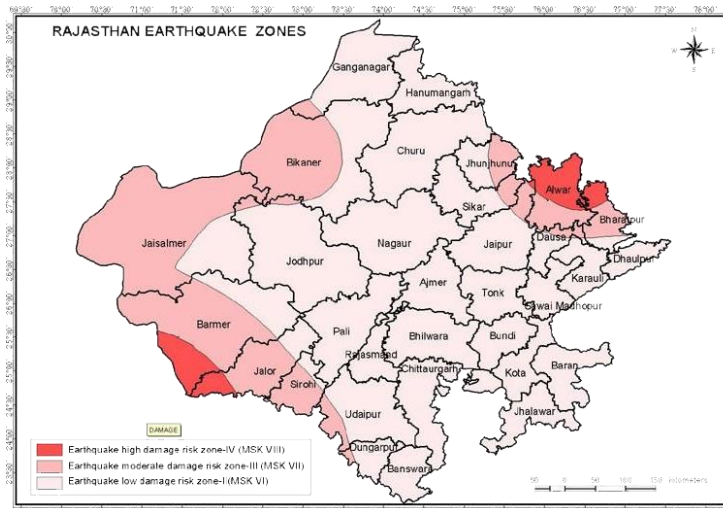
Depth To Water Level in Alwar Region

The Water depth level at the alwar Region Varies From 3m -80m. while in neemrana it is 40m either at pre- monsoon Season or at Post monsoon.

2.4.7 Earthquake Zone Map

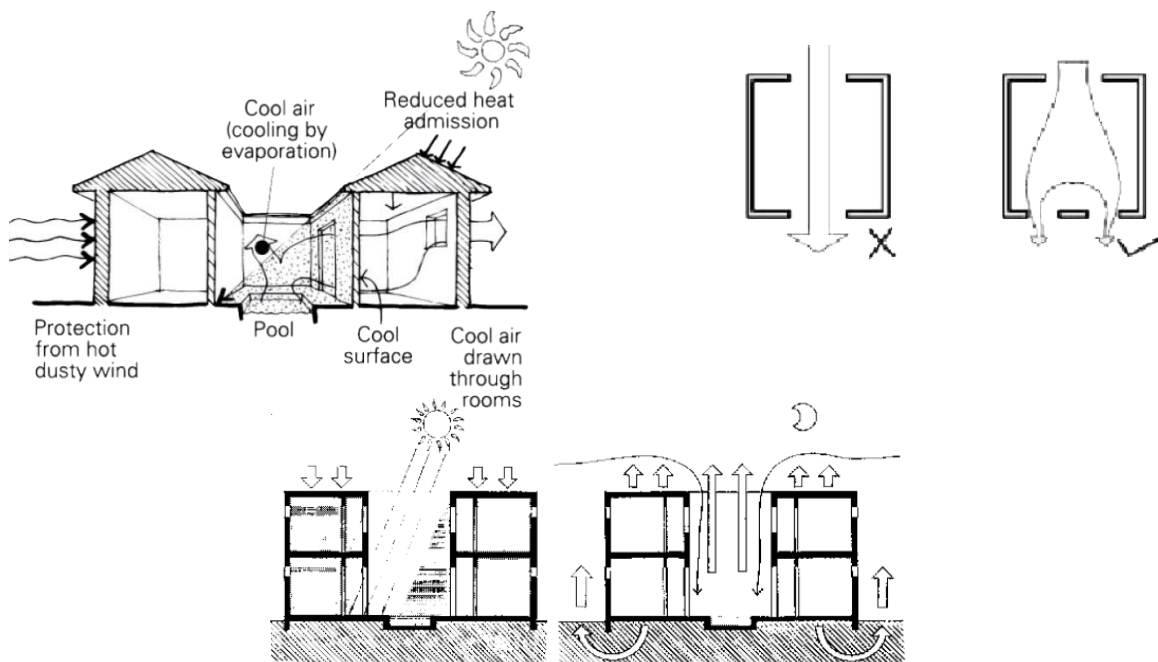
Based on the map, the proposed project falls under High damage risk zone-IV(MSK VIII) of

Rajasthan. Hence, there are few chances of earthquakes at the proposed site and the impacts associated with an earthquake Can be High. Precautionary Measures to be undertaken:- All the buildings will be located at a considerable distance to minimize damage due to colliding/crashing down into one another.



Earthquake Zone map Of Rajasthan

2.4.8 Climate Considerations



Climate Considerations

CASE STUDY 1

Chapter 3: CASE STUDY 1

1. National Skill Training Institute , Noida (Uttar Pradesh)

2. Introduction

The institute is a milestone in the field of vocational training for women. It offers a number of vocational programs. The programs are approved by NCVT as CTS, CITS. In addition – “Technical Diploma in Computer” supported by IBM is going to start from this session. These programs are NSQF compliant. The institute is located at main entry point in Noida and well connected with metro and bus service. It is spread out in the area of 7.5 acar. It has 5 building blocks namely Administration Block, Workshop Block, Workshop II Block, Hostel Block, Residential Block. It has state of art labs with highly trained instructors.

2. Aim Of the Literature Study

To understand the working and functioning of the institution and the teaching methodology of the trades, an ITI was studied. The main focus of this study includes:

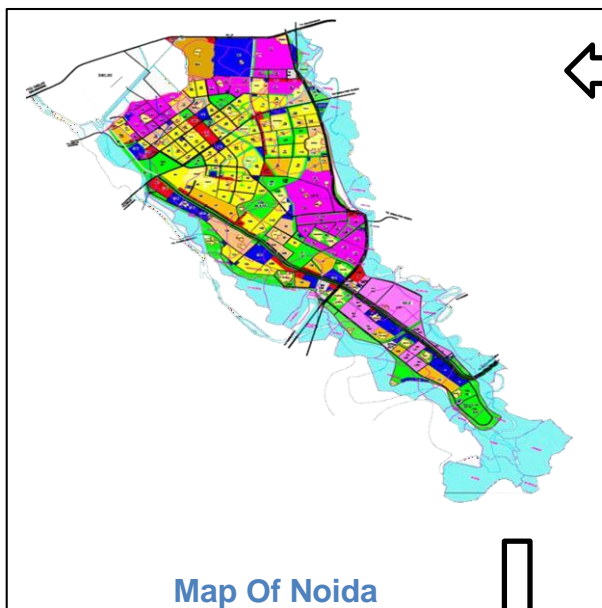
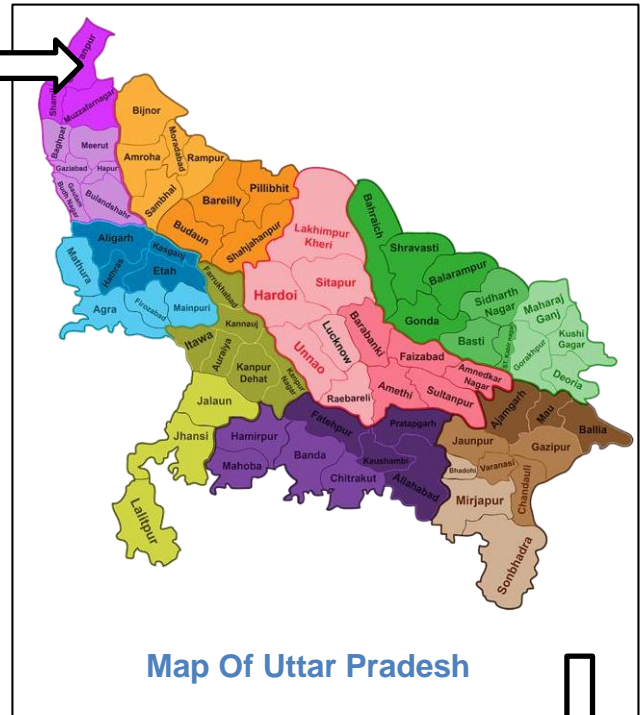
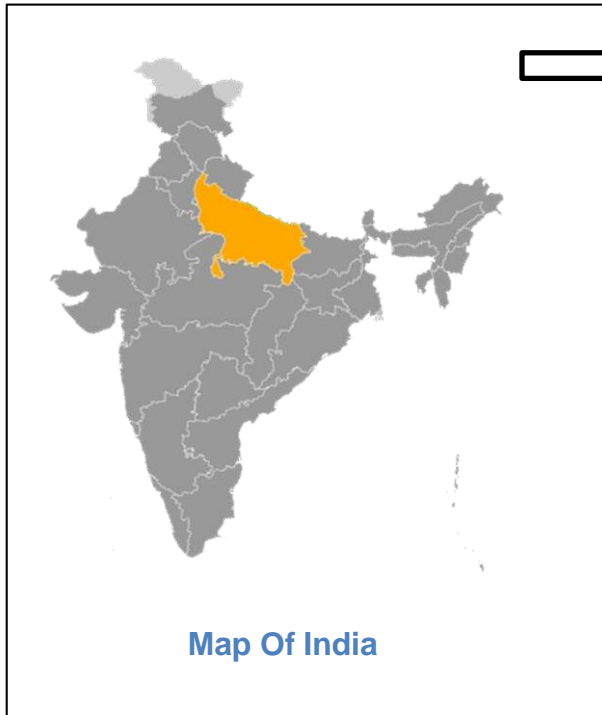
- 1- Understanding the functional organisation of the institute
- 2- Workshop design and function
- 3- Servicing and storage

The institute thus studied is National Skill Training Institute in Noida since it includes most of the Workshops and other requirements under study in the proposed project.

3.1 Project Brief

○ Institute Name:	National Skill Training Institute, Noida
○ Location Of Institute:	Noida, Uttar Pradesh
○ Total site area :	30351 Sqm (7.5 Acres)
○ Ground Coverage Achieved :	23 %
○ Permissible Ground Coverage:	35 %
○ Owner :	Ministry Of skill and entrepreneurship
○ Structure Type :	Trabeated Structure
○ Material Type:	RCC, Bricks
○ Climate :	Composite

3.2 Location



3.3 Approach To the Site

S.No.	Infrastructure	Distance
1	Railway Station	11.5 Kms (Okhla Railway Station)
2	Air Port	25 Kms (Indira Gandhi International Airport Delhi)
3	Bus Station	6.6 kms (Neemrana Bus stand)
4	Metro	750m (Sector 15 Metro Station)



NSTI Noida Main entrance

3.6 Project Facilities



Administration and classrooms

- Reception
- Director Office
- Dean Office
- Staff wing
- Pantry
- Store
- Accounts and cashier
- Training Section
- Seminar Hall
- Library
- Class Rooms



Workshops and labs

- Electronics
- Mechanic
- Computer Operator & Programming Assistant
- Architectural Draughtsmanship
- Desk Top Publishing
- Secretarial Practices (English)
- Hair & Skin Care
- Fashion Technology



Residential Block

- 3 bedded Rooms
- Single Bedded Rooms
- Mess
- Kitchen
- Toilet
- Warden's Room
- Common Room
- Recreational Zone

The courses taught here includes that of plumber electrician, motor mechanic and welder along with 12 others. Proper workshops with adequate tools machinery is available within the institute. The course duration varies from 1 year to 3 years. As this vocational institute is only for only girls. They have provided hostel facility for all the students at very convenient fees. There are two types of courses running in the institute

1- Long Term Courses

2- Short Term Courses

Residential Facility is only available for the long term courses as the short term courses are only for

The institution have 400 Students Capacity and so as for the hostel block.

3.4 Design Approach



D.G SETS

Proper facility for electricity by providing individual structure



GIRLS HOSTEL

Accommodation facility for both long and short term courses.



OVERHEAD WATER TANK

Institute has its own water tank for supply in hostel and other blocks



SURFACE PARKING

Covered parking for Teachers for appr. 8 cars



WIDE PATHWAYS

8 m wide pathways on all sides for fire brigade



SITE PLAN

Site area = 28720 sq.m



N.V.T.I MODEL

Model of N.V.T.I placed near Admin block



WORKSHOP -2

- 3 Storey building with appr. 15 classroom in 1st & 2nd floor with long and unventilated corridors.
- Ground floor have classrooms with staff rooms.



ADMIN BLOCK

Reception on entrance with training Section, Waiting, Principal chamber, Director of Training, Administrative Section



GREEN AREA

Two main parks, one is on entrance and other is in front of hostel



FEE SUBMISSION

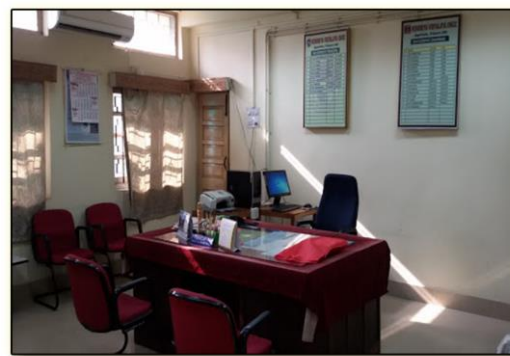
Fee Submission is between two blocks and covered with Green curved fibre sheet

3.5 Floor Plans

ADMINISTRATION BLOCK

The administration block includes the principal room, conference room, college administrative staff office, and also give examination section, etc.

Administration block has g+2 floor with all facilities with huge wide corridor. It connected with a both workshop block with proper corridor from the admin block.

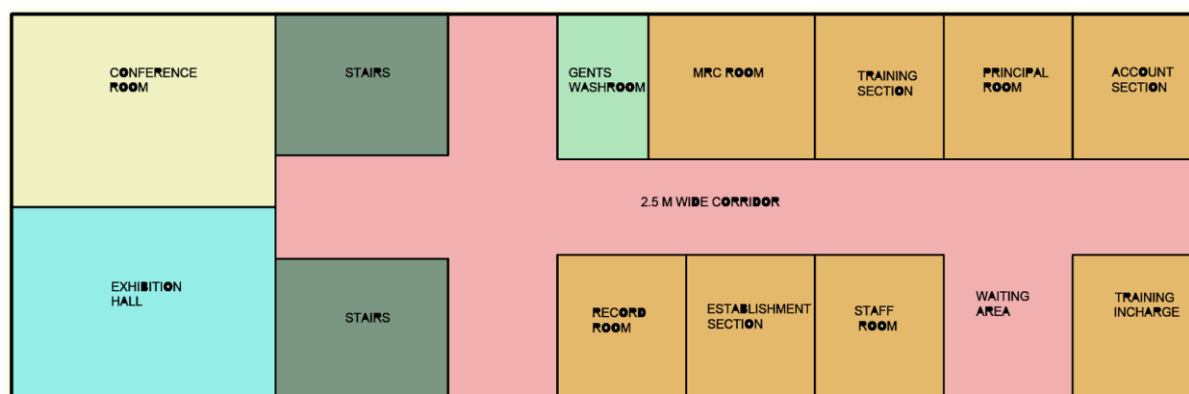


STAFF OFFICE

S NO.	ADMIN BLOCK	AREA(SQ .M)
1.	PRINCIPAL ROOM	25
2.	ESTABLISHMENT SECTION	20
3.	TRAINING SECTION	24
4.	ACCOUNT ROOM	40
5.	CONFERENCE HALL	52
6.	M.R.C. ROOM	24
7.	EXHIBITION ROOM	80
8.	WASHROOM (GENTS)	25
9.	RECORD ROOM	20
10.	TRAINING INCHARGE	15
11.	WAITING AREA	25
12.	STAFF ROOM	30
13.	D.T.P SECTION	20
14.	COPA SECTION	24
15.	STORE ROOM	15
16.	CANTEEN	36
17.	WASHROOM (LADIES)	25
18.	CTS SECTION	50
19.	CITS SECTION	50



ADMIN BLOCK



TYPICAL FLOOR PLAN (ADMIN BLOCK)

3.6 Floor Plans

WORKSHOP BLOCK- 1

Workshop block is divided into two parts:

Workshop block i

Workshop block ii

In both block have G+ 2 floor (typical floor) with a wide corridor is provided and both the workshop block is connected to the administration block.

They provide all necessary lab, theory room, record room, staff room, audio visual room all the necessary mechanical theory room and labs with both the courses like (cts and cits courses)

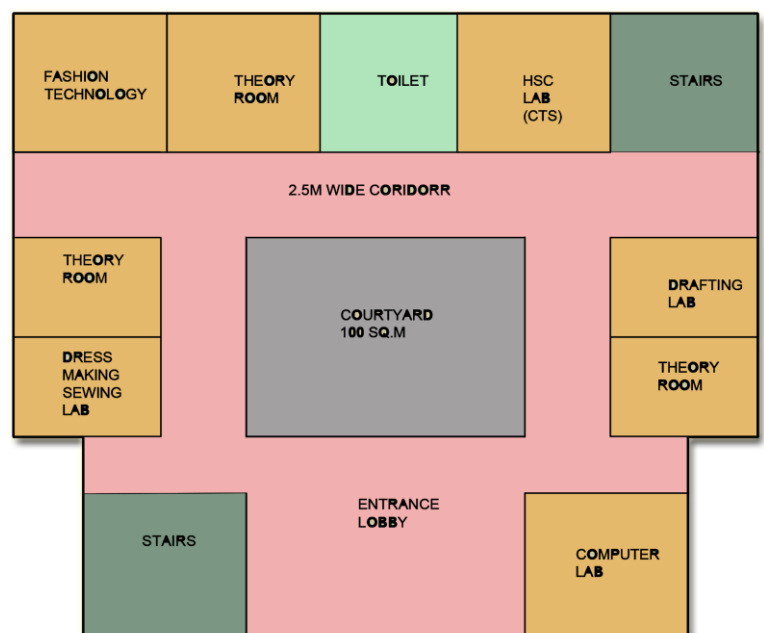
S NO.	WORKSHOP BLOCK 1	AREA(SQ .M)
1.	DRESS MAKING SEWING (LAB)	130
2.	FASHION TECHNOLOGY	90
3.	HSC LAB(CTS)	60
4.	HSC- THEORY ROOM (CTS)	60
5.	DRAFTING LAB (CITS)	120
6.	SPECIAL SEWING LAB	80
7.	INDUSTRIAL SEWING MACHINE LAB	140
8.	COMPUTER LAB	120
9.	HSC LABS (CITS)	90
10.	DRAFTING LAB	90
11.	STAFF ROOM	50
12.	THEORY ROOM	80
13.	TOILETS	30



WORKSHOP BLOCK



WORKSHOP BLOCK



TYPICAL FLOOR PLAN (WORKSHOP BLOCK 1)

3.7 Floor Plans

WORKSHOP BLOCK- 2

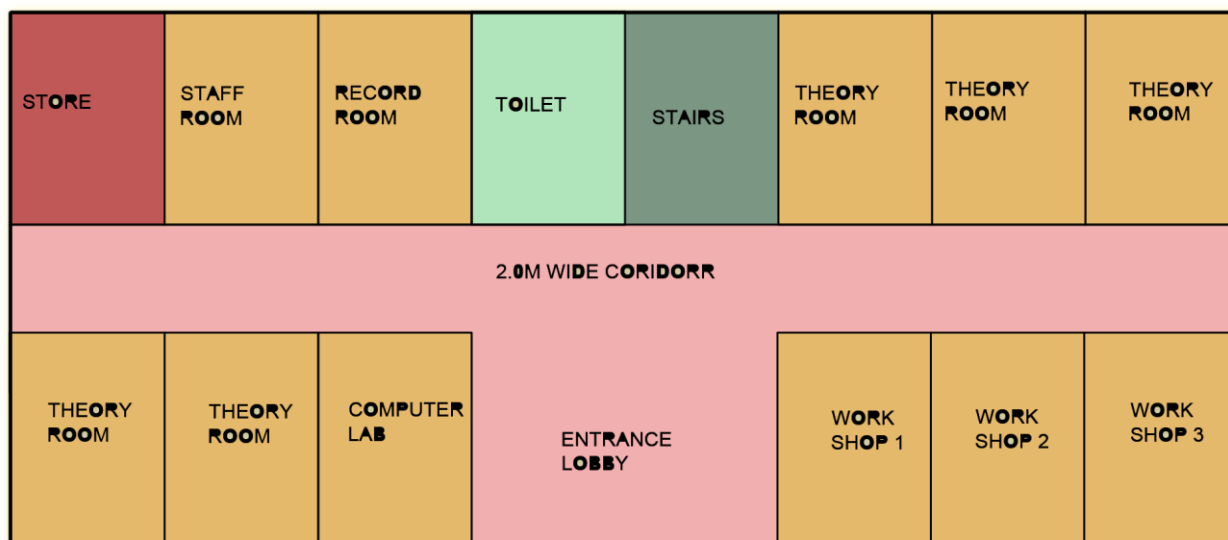


WORKSHOP BLOCK



WORKSHOP BLOCK

S NO.	WORKSHOP BLOCK 2	AREA(SQ .M)
1.	ELECTRONIC MECH. THEORY ROOM(CTS)	80
2.	ELECTRONIC MECH. THEORY ROOM(CITS)	120
3.	AUDIO VISUAL LAB (CITS)	140
4.	ELECTRONIC MECH. LAB(CTS)	80
5.	ELECTRONIC MECH. LAB(CITS)	80
6.	PRINCIPLES FOR TEACHING-I	60
7.	PRINCIPLES FOR TEACHING-II	60
8.	TOILET(LADIES)	30
9.	CUTTING AND SEWING LAB (CITS)	120
10.	CUTTING AND SEWING DRAFTING LAB (CITS)	80
11.	THEORY ROOM	60



TYPICAL FLOOR PLAN (WORKSHOP BLOCK 2)

3.8 WORKSHOPS

List Of workshop

- o Electrical
- o Dress Making
- o Sewing Technology
- o Fashion Technology
- o Cosmetology
- o Office Management
- o Electronic Mechanic
- o Architectural Assistantship
- o Computer Software Application
- o Desk Top Publishing Operator
- o Architectural Draughtsmanship
- o Interior Decoration & Designing
- o Computer Operator and Programming Assistant (Only For Girls)
- o Desk Top Publishing Operator
- o Fashion Design Technology

Hostel Facility

Hostel Facility Is provided for the girls with in the campus area.with G+3 floors.

Capacity Of the Hostel Is for 350 Girls.

with 84 rooms in it. rooms were divided into :

3 bedded room ,2 bedded rom ,single bedded room with common toilet , common study room on each floor.

Mess with kitchen is also provide for the girls hostel the capacity of mess is 100 student at one time.



Tool Storage and Work bench



Class Area



HOSTEL BLOCK

3.9 INFERENCES

1. *Merits*

- Separate entries for institutional and residential complex
- Academic and social activities have been integrated with students and staff living
- Workshops of the institution is divided into two blocks. The workshop which will be having more noise are placed away from the administrative block.
- Every workshop is having its own store which can be used only for the particular workshop.
- Every Workshop is having its own service entry as every workshop is having its own store.
- Hostel block is placed at the backyard of the which is away from the noise and Hustle Bustld and honking of the roads.
- 40% area of the institution among the total area is green. There are two park within the institution.

2. *Demerits*

- No fully covered parking is there only semi covered parking is provided in the institution.
- D.G. sets block of the institution is placed at the centre of the site. These
- D.G. sets block should be placed at the Backyard of the institution.
- Service Entrance and the parking entrance are both the same which creates Chao at the secondary Entrance.
- Workshops should be placed towards the industrial zone around the site and the hostel block should be placed towards the residential zone around the Site.
- There is no provision of classrooms in the one block of the Workshops Students have to Go to another block for the theoretical study.

CASE STUDY 2

Chapter 4: CASE STUDY 2

1. National Skill Training Institute , JAIPUR (RAJASTHAN)

2. Introduction

the Directorate General of Employment & Training (DGE&T) under the Ministry of Labour and Employment, launched the Vocational Training Programme exclusively for women in October 1994. This programme aimed at establishing women exclusive Vocational Training at all regions of India. RVTI for Women at Jaipur.

3. Aim Of the case Study

Understanding the planning of the institution and the zoning of admin block and the institution block with the teaching methodology of the CTS and CITS trades.

The main focus of this study includes:

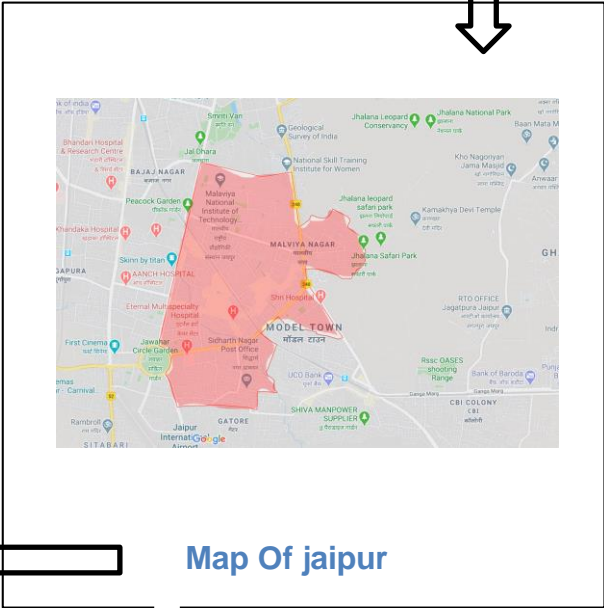
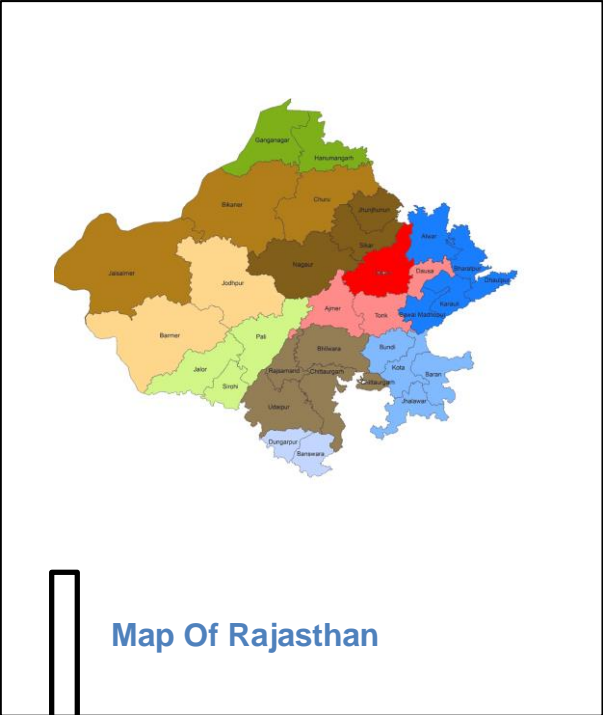
- 1- Understanding the site planning and the landscaping
- 2- Form and function of that particular building
- 3- Horizontal and vertical corridor
- 5- Workshop design and function
- 6- Services and storage

The institute studied a Vocational Training programme and also includes most of the workshops and other requirements under study in the proposed project

4.1 Project Brief

○ Institute Name:	National Skill Training Institute, Jaipur
○ Location Of Institute:	Jaipur, Rajasthan
○ Total site area :	28000 Sqm (7Acres)
○ Ground Coverage Achieved :	20 %
○ Permissible Ground Coverage:	35 %
○ Owner :	Ministry Of skill and entrepreneurship
○ Structure Type :	Trabeated Structure
○ Material Type:	RCC, Bricks
○ Climate :	Hot and Dry

4.2 Location



4.3 Approach To the Site

S NO.	INFRASTRUCTURE	DISTANCE
1.	RAILWAY STATION	8.5 KM (JAIPUR JUNCTION)
2.	AIRPORT	6.2 KM (JAIPUR INTERNATIONAL AIRPORT)
3.	BUS STATION	9KM (SINDHI CAMP BUS STAND)
4.	METRO	8.8 KM (CHANDPOLE METRO STATION)



NSTI JAIPUR

4.4 Project Facilities

S NO.	CRAFTS TRAINING SCHEME (CTS)	CRAFTS INSTRUCTOR TRAINING SCHEME (CITS)
1.	Computer operator & programming assistant (COPA)	Dress making
2.	Desk top publishing	Office management (english)
3.	Dress making	Cosmetology
4.	Basic cosmetology	Architectural assistantship
5.	Fashion design technology	Office management (hindi)
6.	Architectural draughtsmanship	Fashion design & technology

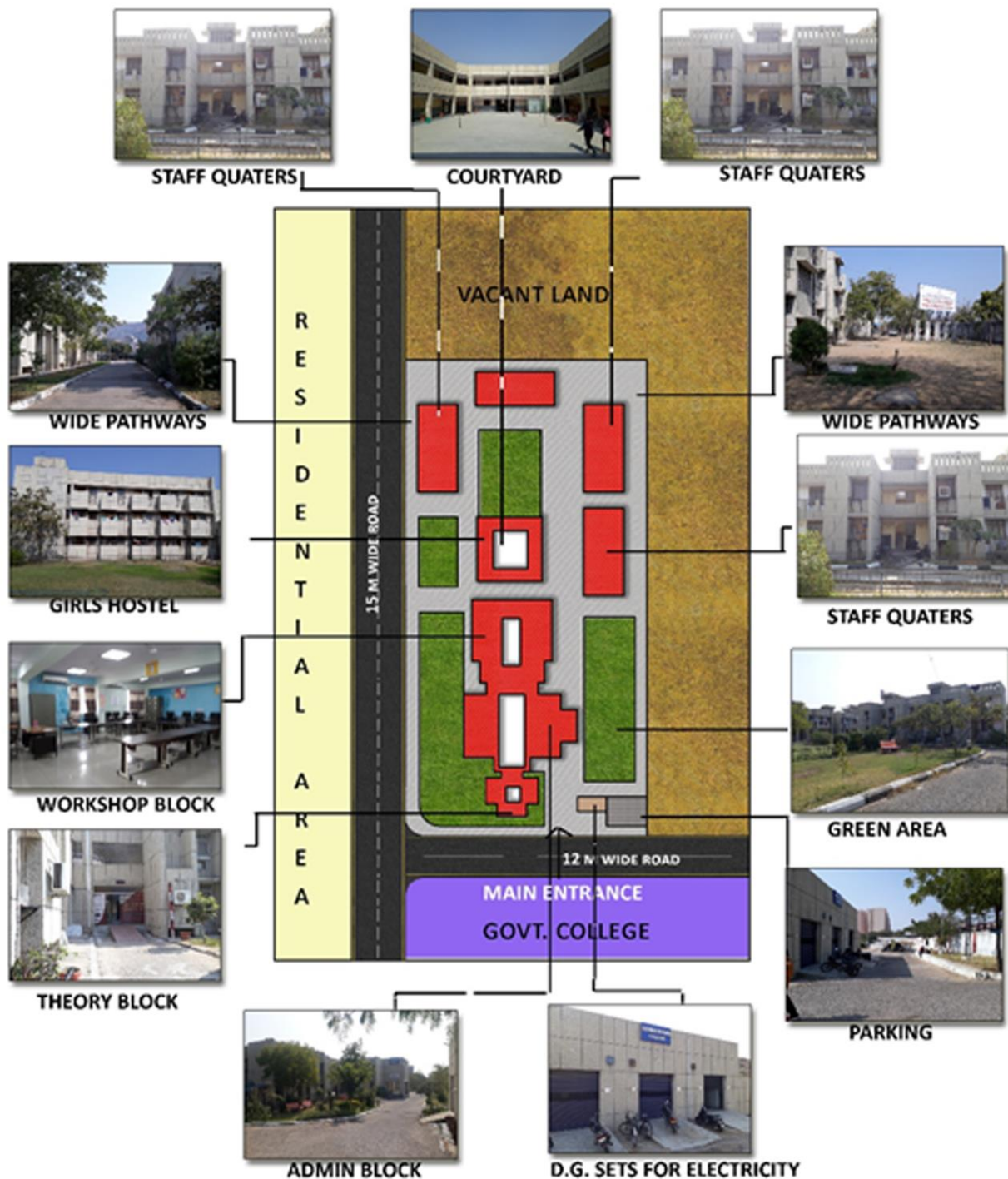
The courses taught here includes that of plumber electrician, motor mechanic and welder along with 12 others. Proper workshops with adequate tools machinery is available within the institute. The course duration varies from 1 year to 3 years. As this vocational institute is only for only girls. They have provided hostel facility for all the students at very convenient fees. There are two types of courses running in the institute

1- Long Term Courses

2- Short Term Courses

Residential Facility is only available for the long term courses as the short term courses are only for

4.4 Design Approach



4.5 Hostel Facility

Hostel Facility Is provided for the all the students at very convenient fees in the campus area with G+2 floors. Capacity Of the Hostel Is for 150 Girls. with 55 rooms in it. rooms were divided into :3 bedded room ,2 bedded rom ,single bedded room with common toilet on each floor , common study room on each floor.

4.5 Floor Plans

BUILDING BLOCK

The administration block includes the principal room , vice Principal room , director room, administrative staff office , And also give examination section , etc

Admin block also connect a theory block and Workshop block. It has G+1 floor with corridor and also has a courtyard which Provide natural ventilation

S NO.	ADMIN BLOCK	AREA SQ.M
1.	PRINCIPAL ROOM	40
2.	VICE PRINCIPAL ROOM	25
3.	RECORD ROOM	15
4.	OFFICE	30
5.	STAFF ROOM	35
6.	REGIONAL DIRECTOR ROOM	35
7.	RDSDE STAFF ROOM	20



ADMIN BLOCK



RECEPTION



GROUND FLOOR PLAN

4.6 Floor Plans



FIRST FLOOR PLAN

S NO.	THEORY BLOCK	AREA (SQ.M)
1.	STUDIO	90
2.	GENTS TOILET	25
3.	LADIES TOILET	30
4.	PANTRY	15
5.	STORE	60
6.	CLASS ROOM	85



GREEN AREA



COURTYARD



ADMIN BLOCK

S NO.	WORK SHOP BLOCK	AREA (SQ.M)
1.	COMPUTER LAB	120
2.	AUTOCAD LAB	60
3.	A. D. CLASS ROOM	85
4.	STITCHING ROOM	50
5.	POT CLASS ROOM	140
6.	COSMETOLOGY PRACTICAL LAB	25
7.	LADIES TOILET	30
8.	SECRETARIAL PRACTICE CLASS ROOM	75
9.	COSMETOLOGY CLASS ROOM	70
10.	DRESS MAKING LAB	85
11.	DRESS MAKING WORKSHOP	150
12.	SEWING SKETCHING LAB	120
13.	BEAUTY HAIR ROOM	65
14.	LIBRARY	80

3.8 WORKSHOPS

List Of workshop

- o Dress Making
- o Sewing Technology
- o Fashion Technology
- o Cosmetology
- o Office Management
- o Electronic Mechanic
- o Architectural Assistantship
- o Desk Top Publishing Operator
- o Architectural Draughtsmanship
- o Computer Operator and Programming Assistant
- o Desk Top Publishing Operator
- o Fashion Design Technology



WORKSHOP



CLASS ROOM



CLASS ROOM

SERVICES

SERVICES AT THE SITE

DRAINAGE

Site is connected with the 12m wide road which is having proper Covered Drainage system

WATER SUPPLY

Water is supplied through overhead tank which capacity is 2000 ltr



ELECTRICITY AREA



WATER SUPPLY AREA

4.9 INFERENCES

MERITS

- Wide corridor is provide in a workshop block.
- Institution is divided into two blocks. The workshop which will be having more
- Noise are placed away from theory block
- Every workshop is having its own store which can be used only for the
- particular workshop.
- 40% area of the institution among the total area is green. There are two park
- Within the institution.
- In planning of institution they also give a court yard and also give a proper
- Landscaping around a institution which provide a natural ventillation and which
- Also provide a thermal comfort , fresh air, etc

DEMERITS

- No fully covered parking is there only semi covered parking is provided in the institution.
- D.G. sets block of the institution is placed at the centre of the site.
- These D.G. sets block should be placed at the Backyard of the istitution.
- Service Entrance and the parking entrance are both the same which creates Chao at the secondary Entrance.
- No separate entries for admin block and institution block.

LITERATURE STUDY -1

Chapter 5- LITERATURE STUDY

1. Literature Study 1- IICD

2. Introduction

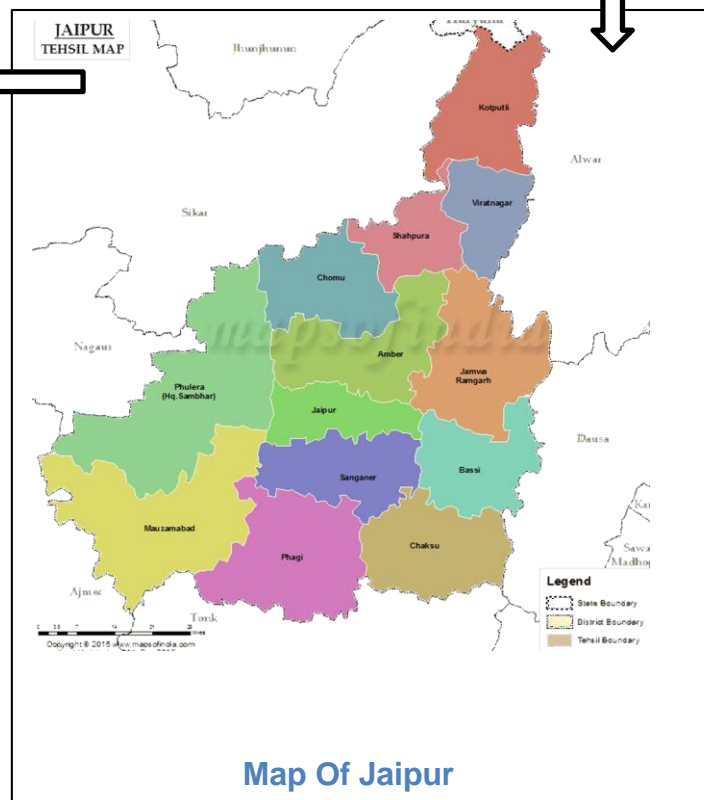
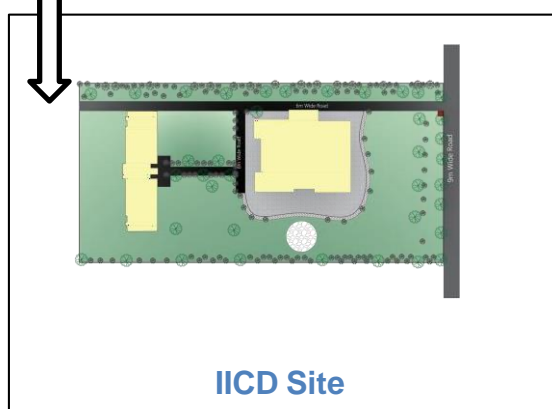
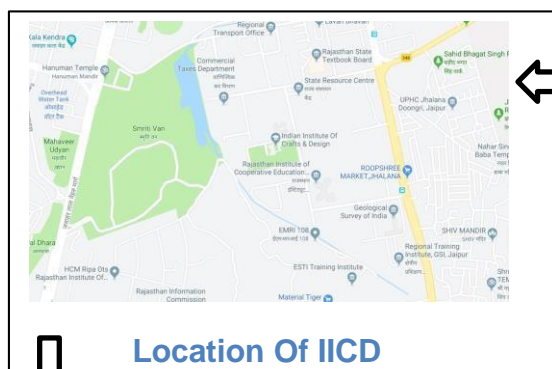
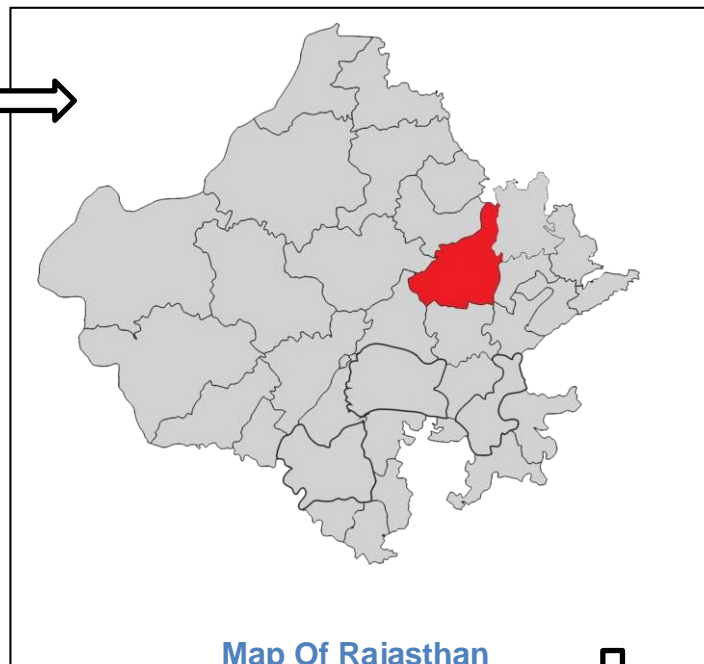
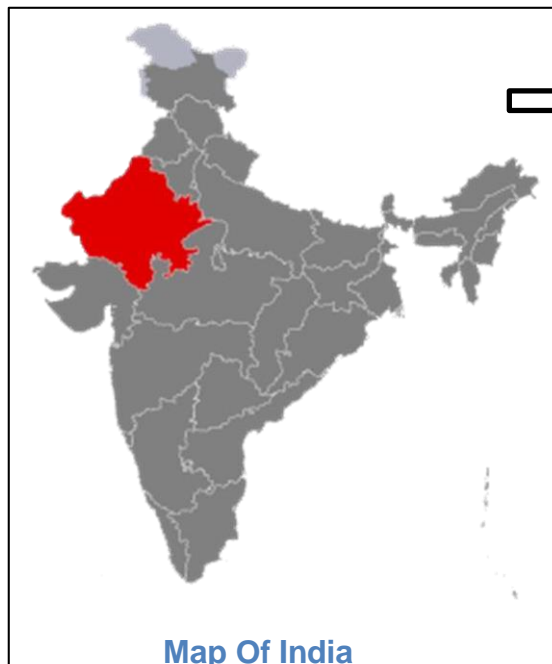
The Indian Institute of Crafts & Design was setup as an autonomous institute by the Government of Rajasthan in the year 1995 to act as a catalyst of change in the craft sector. Since October 2007, the Institute is being funded and managed by Ambuja Educational Institute (AEI) under the Public Private Partnership (PPP) model. Beginning from the 2017-18 sessions, the fresh intake of ICD now awards degrees in Bachelor in Design and Master in Design in collaboration with The Central University of Rajasthan.

This Institute works towards the evolution of crafts and the craft persons in the contemporary socio economic context. Through the programmes of Education, Research, Documentation, Training, Outreach and Consultancy the Institute strives to become a Centre of Excellence. ICD is continuously evolving in a vibrant environment of experimentation and innovation Spread over lush green and cheerful campus in the Jhalana Institutional Area, Jaipur, IICD infrastructure such as the academic, administrative and hostel blocks with studios, library, workshops and research labs, resource centre, administrative offices, display spaces, girls hostel mess, common room, sports area, etc, is ideal for creative education.

5.2 Project Brief

○ Institute Name:	Indian Institute of crafts and design
○ Location Of Institute:	Jaipur, Rajasthan
○ Total site area :	20000 Sqm (5 Acres)
○ Ground Coverage Achieved :	17.5 % (3500 Sqm)
○ Permissible Ground Coverage:	35 % (7000 Sqm)
○ Private Partner :	Ambuja Educational Institute
○ Owner :	Government of Rajasthan
○ Structure Type :	Trabeated Structure
○ Material Type:	RCC, Bricks, Red sandstone Jaalis
○ Climate :	Hot and arid

5.3 Location Of The Project



5.4 Approach To The Institute

10.5 Kms from Jaipur Railway Station

7.5 Kms From Jaipur International Airport

8.0 Kms from Sindhi Camp Bus Stand

5.4.1 Approach Roads Main Road : 9m Wide Road Internal Road : 6m Wide Road

5.5 Surroundings

East – Institute of development studies

West- Smriti Van

North- Anti Corruption Bureau

South- National Archives Of India

5.6 Project Facilities



Administration

- Reception
- Director Office
- Dean Office
- Placement cell
- Faculty wing
- Pantry
- Store
- Accounts
- Board Room
- Conference room



Workshops and labs

- wood workshop
- Textile workshop
- Metal Workshop
- Fashion workshop
- Ceramic Workshop
- Printing Lab
- Knowledge resource centre
- Craft design centre
- Computer lab

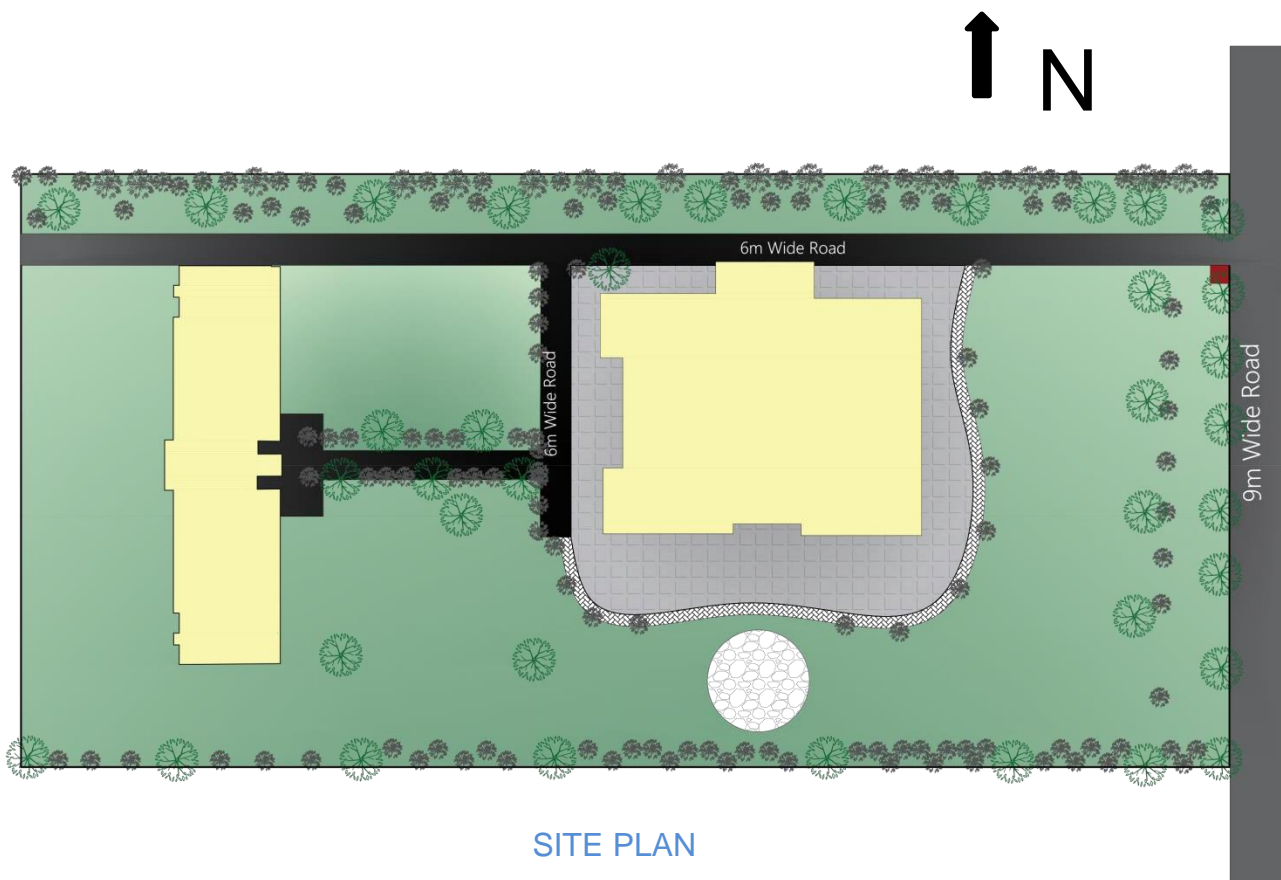


Studios

- Studio 1
- Studio 2
- Studio 3
- Studio 4
- Studio 5
- Studio 6
- Lecture room 1
- Lecture room 2
- Lecture room 3
- Design Bank
- Craft Exhibition Centre

5.7 Planning And Design

5.7.1 Site Plan



1. Area Distribution Of the Institution

There Are two blocks in the institution

- Institutional Block
- Hostel Block

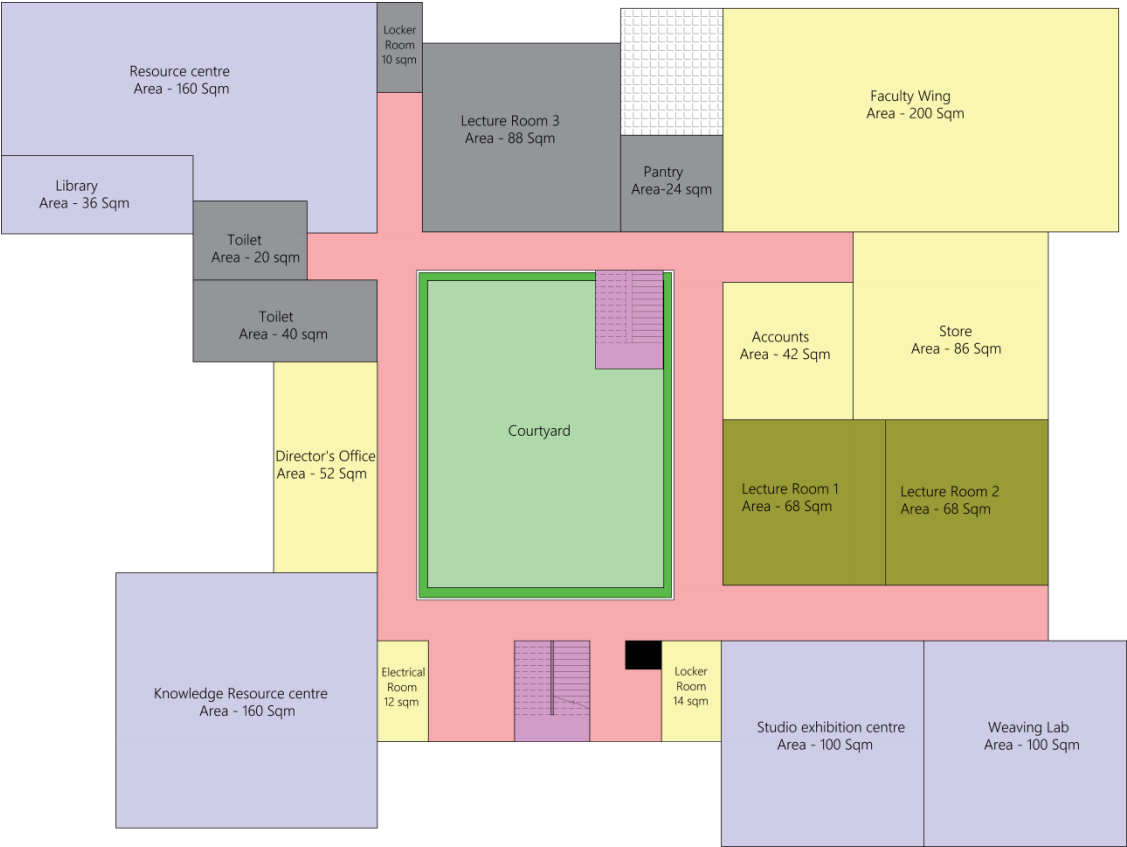
Area Of Block 1 (Institutional Block)= 2250 Sqm Area Of Block 2
(Residential Block) =1250 Sqm

Total Ground Coverage = 3500 Sqm Total Site Area =
20000 Sqm (5 Acres)

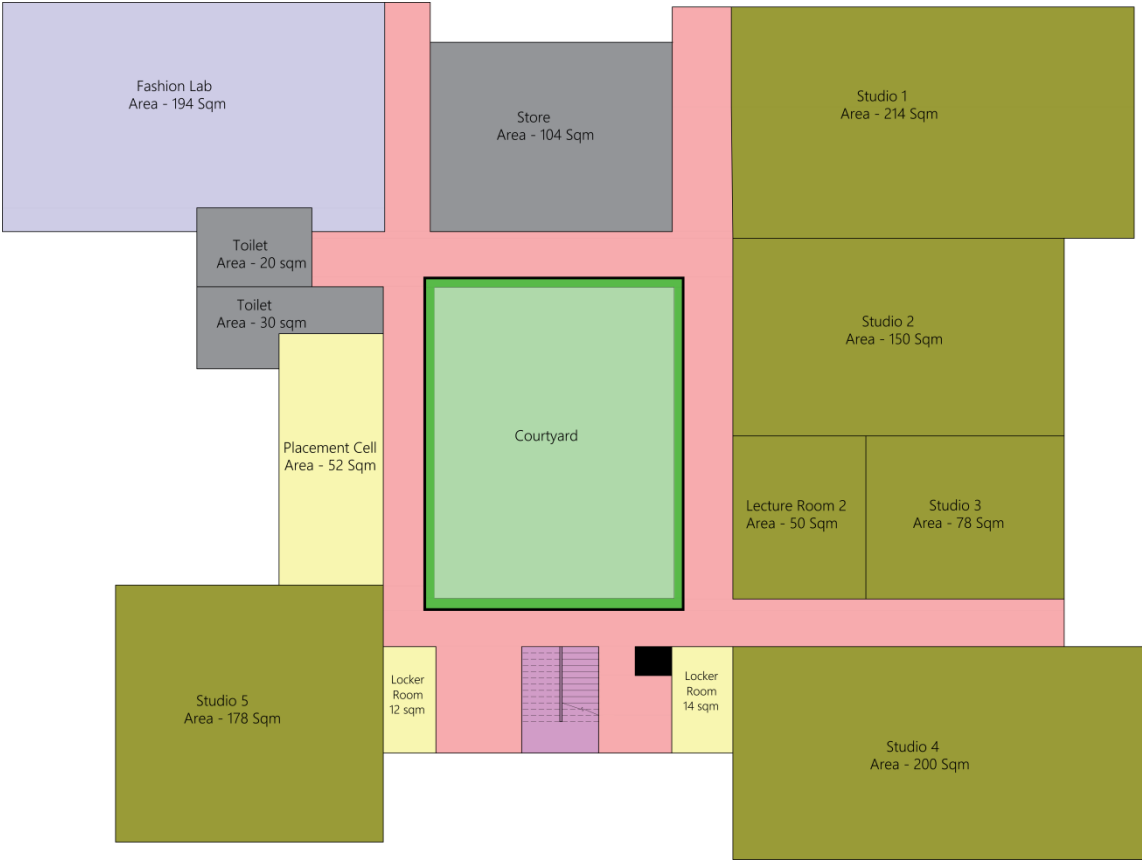
3.7.2 Floor Plans



Ground Floor Institutional Block IICD



First Floor Plan Institutional Block IICD



Second Floor Plan Institutional Block IICD



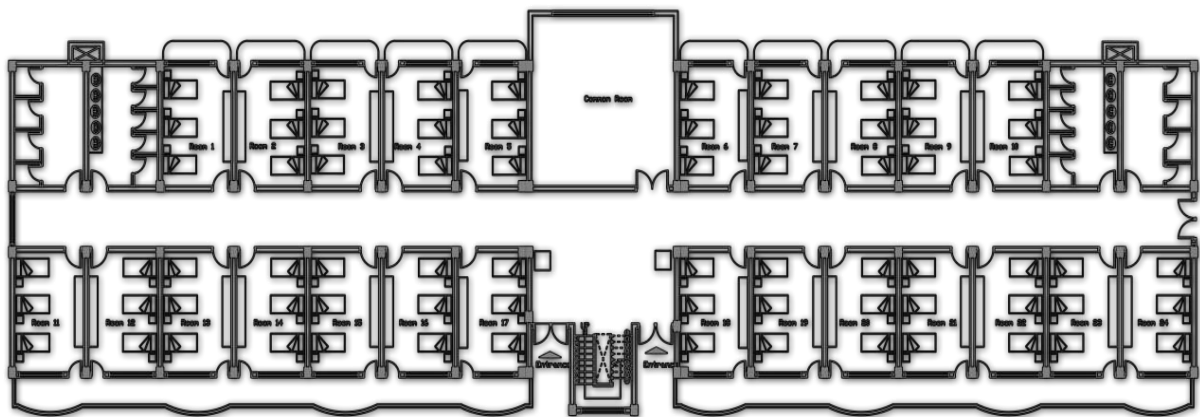
IICD Gate



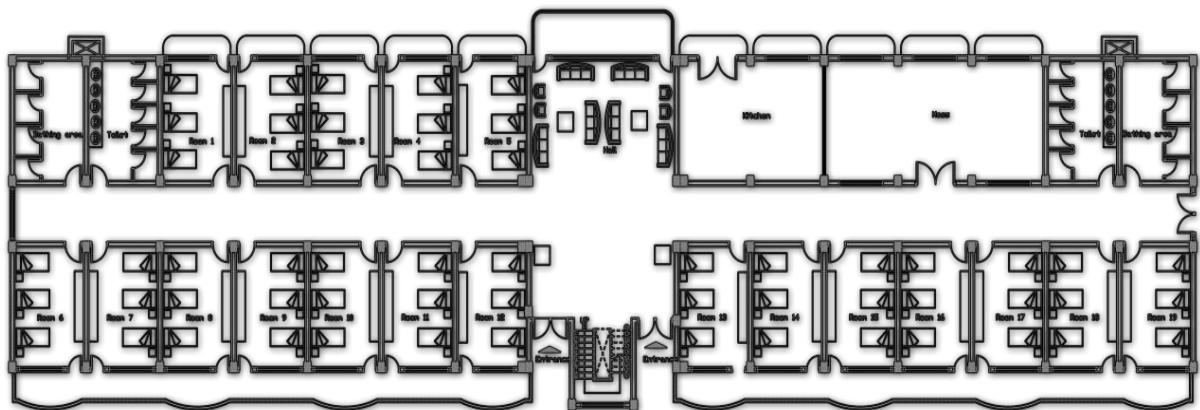
Main entrance Of Institutional Block

5.9 Hostel

The Area of the residential Block is 1250 Sqm which is having a 67 Three bedded rooms with the maximum capacity of 201 students. The area of a single unit is 24 Sqm The block has been designed on a grid of 6*4 . The balconies of all the rooms are connected which provided enough space for the circulation too. The mess and kitchen is provided at the ground floor for the easily accessibility and good services. The hostel is provided only for girls as the girl and boy ratio in the campus is 39pprox.. 80:20. Residential Facility is not available for the faculties at the campus.



FIRST AND SECOND FLOOR PLAN



GROUND FLOOR PLAN

Hostel Plans

LITERATURE STUDY -2

1. Literature Study 2 – NSTI, Hyderabad

2. Introduction

National Skill Training Institute (NSTI) is one of the premier institutes run by the by the Directorate General of Training (DGT), Ministry of Skill Development and Entrepreneurship, Govt. of India. It was initially set up by the Directorate General of Employment and Training (DGE&T), Ministry of Employment and Labour, Govt. of India in the year 1963 with the main objective of imparting training to the instructor of ITIs in the country.

The main vision of these initiatives were to empower all individuals through improved skills, knowledge, nationally and internationally recognized qualifications to gain access to decent employment and ensure India's competitiveness in the global market. This will not only increase the working efficiency, but will also help in improving earning capacity of the country which will lead to better and improved living conditions.

2. Project Brief

- Institute Name: National Skill Training Institute
- Location Of Institute: Hyderabad, Telangana
- Total site area : 41406 Sqm (10.2 Acres)
- Ground Coverage Achieved : 20 %
- Permissible Ground Coverage: 30 %
- Owner : Ministry Of Skill Development Entrepreneurship
- Structure Type : Trabeated Structure
- Material Type: RCC, Bricks
- Climate : Warm And Humid



NSTI Hyderabad Main Entrance Gate

6.3 LOCATION OF INSTITUTE

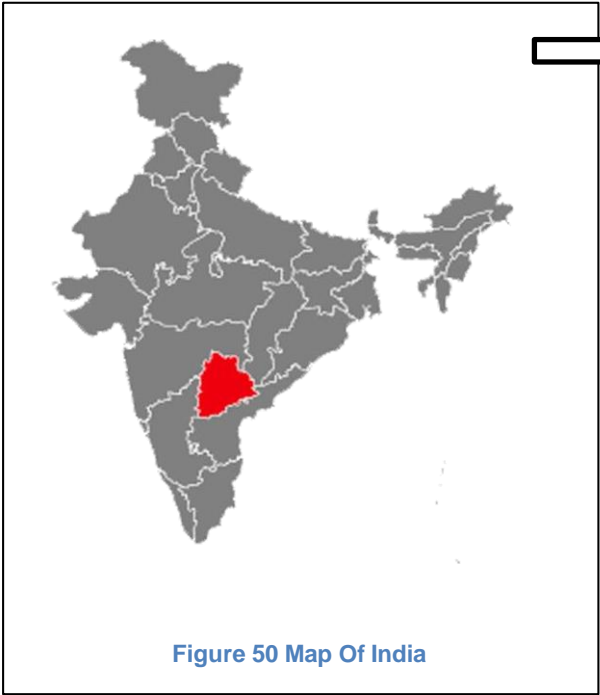


Figure 50 Map Of India

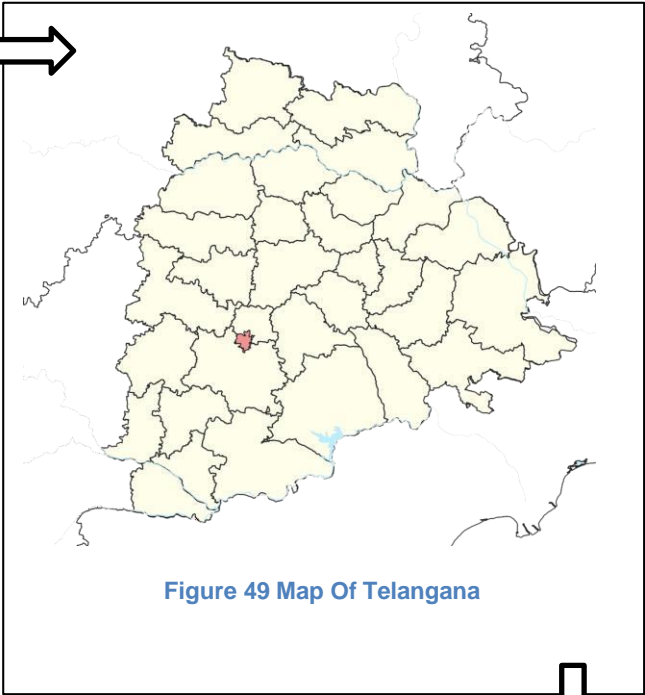


Figure 49 Map Of Telangana



Figure 52 Location Of Institute At Hyderabad

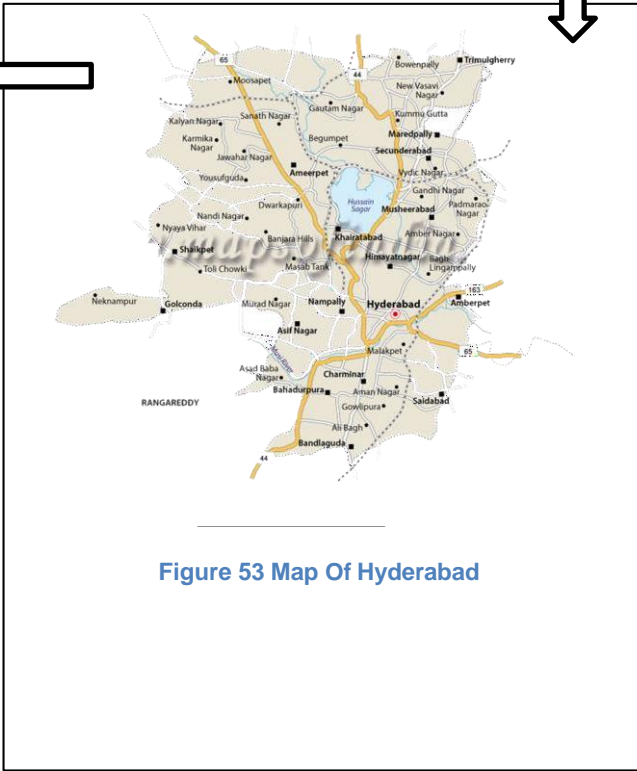


Figure 53 Map Of Hyderabad

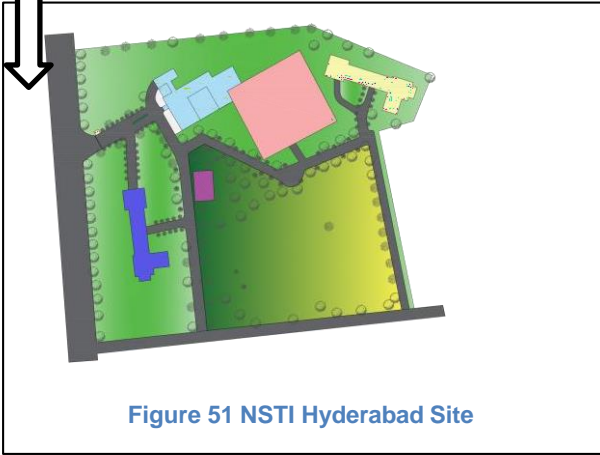


Figure 51 NSTI Hyderabad Site

4. Approach To The Institute

- 3.1 Kms from Kacheguda Railway Station
- 26.6 Kms From Rajiv Gandhi International Airport
- 3.5 Kms from Sivom Bus Stand Approach Roads

Main Road : 15m Wide Road

Side Road : 6 m Wide Road

5. Surroundings

East – Institute of Hotel Management

West – Main Road (Sivom Road 15m Wide)

North – Residential Colony

South- Side Road (7.5m Wide)

6. Project Facilities



Administration

- Reception
- Director Office
- Dean Office
- Placement cell
- Faculty wing
- Pantry
- Store
- Accounts
- Board Room
- Seminar Hall
- TT Cell
- Training Section
- Information Centre
- Deputy Chief Labour Commissioor's Office



Workshops and labs

- Refrigaerting and Air conditioning
- Electronics Mechanic
- Computer Operator & Programming Assistant
- Architectural Draughtsmans hip
- Desk Top Publishing
- Agriculture
- Welding & Advanced Welding
- Plumbing



Residential

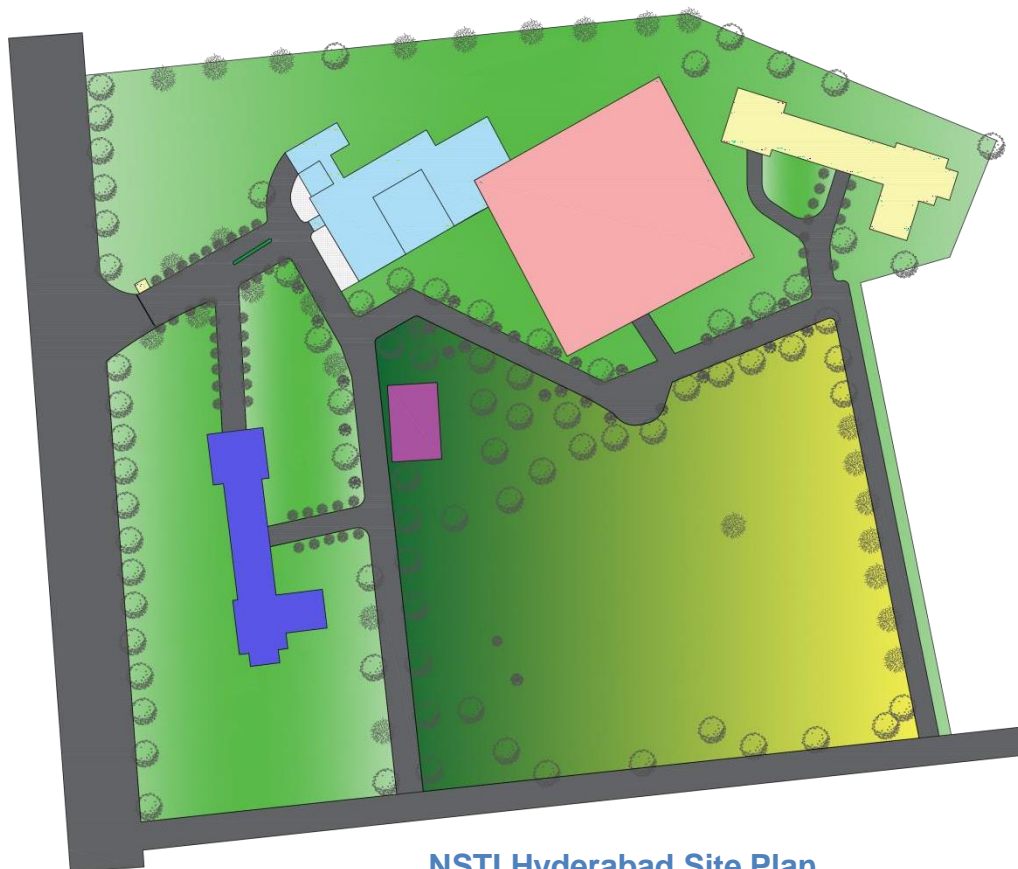
- Guest House
- 3 bedded Rooms (Girls)
- 3 bedded Rooms (Boys)
- Mess
- Kitchen
- Toilet
- Warden's Room
- Common Room
- Recreational Zone
- Kitchen Store
- Kitchen Washing

6.6.1 List Of Workshops



- 1 Mechanist
- 2 Turning
- 3 Fitting
- 4 Plumbing
- 5 Electrical
- 6 Air conditioning and reffergerting
- 7- Welding
- 8- Advanced Welding

7. Planning and Design

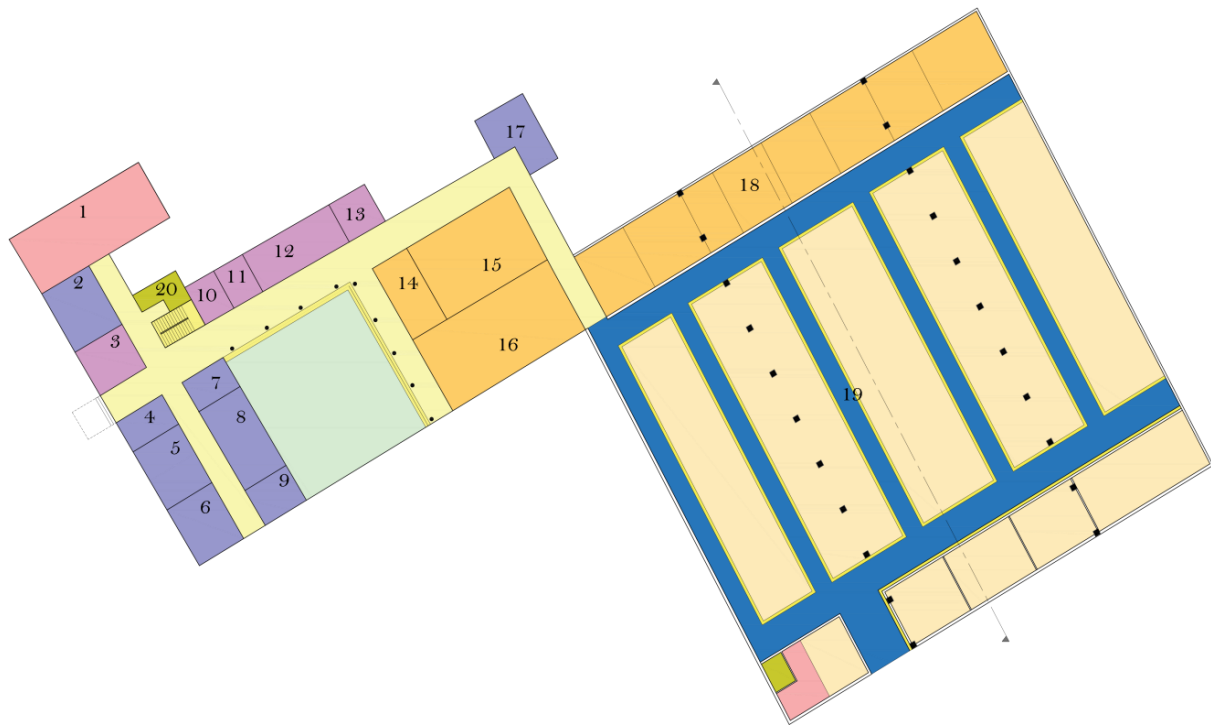
1. Site Plan



NSTI Hyderabad Site Plan

-  Workshop Block (Area - 3000 Sqm)
-  Institutional Block (Area - 1200 Sqm)
-  Office Block (Area - 450 Sqm)
-  Boy's Hostel Block (Area - 950 Sqm)
-  Girl's Hostel Block (Area - 950 Sqm)

7. Floor Plans

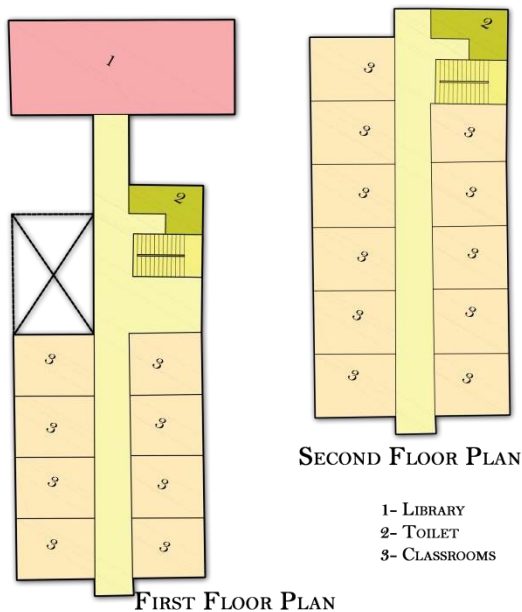


Ground Floor Plan NSTI Hyderabad



NSTI Hyderabad

1 Main Store
2 Information Store
3 Reception
4 Manager's Rom
5 Meeting Room
6 Director's Room
7 Accounts Section
8 Administrative Section
9 Dean's Office
10Store For Administration
11-Dispensary
12 Training Section
13 TT Cell
14 Fcaulty's Toilet
15 Seminar Room
16 Fcaulty's Room
17 Control Room
18 Workshops
Tools Storage
19Workshops
20Toilet
21 Courtyard



3.8 Workshops

The area of the workshops is 3000 sqm which is having number of workshops under one roof without any visual barrier. All the workshops area are just divided by the circulation gallery. The workshops hardly needs artificial Light because of its North light roof trusses. Every workshop has its own small store placed just near the workshop areas with trainer's room. Toilet are also placed with in the workshops block. A separate service entry (nearly 3m wide) is also provided at the backyard of the workshop. Which Can be used for the transportation of machines or other large accessories used for the Training Workshop.

The workshop is having North roof truss as its roof structure. The building is placed according to the north so that the workshop block can receive maximum amount of reflected light but not the direct sunlight. The workshop do not need artificial light most of the days



NSTI Hyderabad Computer Room



NSTI Hyderabad Mechanical Studio



Workshop Area NSTI Hyderabad

9. INFERENCES

1. *Merits*

- The institute is having a wide and a grand entrance focusing mainly on the institutional block of the building.
- Workshops are placed at the backyard of the building so as to reduce the noise from the administrative and classrooms.
- Library of the institution is placed at the most peaceful side of the site.
- Service entry is provided in the workshop for the easily accessibility of the goods and machines .
- North Light truss provided in the workshop because of which this block hardly needs artificial light.
- Tools store for the workshops are provided just near the workshop areas. The Institutional block is having a central Courtyard which helps the classes at the first floor and second floor to have direct ventilation.

2. *Demerits*

- The hostel block of the boys have placed just at the Back of the workshop areas which creates noise For the students waiting for their shift at the Hostel.
- Reception of the institute is poorly maintained , it is converted into a room rather than a reception.
- All the workshops are combined with one another which sometimes creates noise for the students when two workshops are running at the same time.
- Main store of the institute is placed just near the entrance which is at a sufficient distance from the workshop block.
- Dispensary should be placed near to workshop block so as to give quick medications to the students.
- The institute do not have any recreational zone and canteen other than mess in the hostels.

REQUIREMENTS **&** **AREA ANALYSIS**

Chapter 5 – Requirements Area Statement or Area Analysis

5.1 Administration Block

S. NO.	REQUIREMENTS	CASE STUDY 1	CASE STUDY 2	LITERATURE	NORMS	REQUIRED NO.	NO. OF PERSON	REQUIRED AREA IN SQ.M
		NOIDA	JAIPUR	IICD, JAIPUR	NEUFERT/NBC/MSDE			
	ADMINISTRATION BLOCK						45	350
1	ACCOUNT ROOM	40	30	42	25 SQ.M	1	2	50
2	DIRECTOR ROOM	-	35	52	40 SQ.M	1	1	40
3	EXAMINATION CELL	35	40	20		1	2	40
4	RECORD ROOM	20	15	32	20 SQ.M	1	1	30
5	PRINCIPAL ROOM	25	40	20	25 SQ.M	1	1	20
6	TRAINING SECTION	24	-	-	-	1	4	50
7	REGISTRATION OFFICE	-	-	25	-	1	2	15
8	MEETING ROOM	52	30		1.3SQ.M/person	1	30	42
9	RECEPTION	-	-	28	1.2SQ.M/person	1	1	12
10	WAITING ROOM	15	12	32	1.5SQ.M/person	1	-	20
11	PANTRY	12	15	12		1	1	20
12	TOILET M/F	30	25	60	M 1/15, F 1/12	M 2/30, F 2/20		

5.2 Institutional Block

S. NO.	REQUIREMENTS	CASE STUDY 1	CASE STUDY 2	LITERATURE	NORMS	REQUIRED NO.	NO.OF PERSON	REQUIRED
		NSTI ,NOIDA	NSTI,JAIPUR	IICD,JAIPUR				AREA IN (SQ.M)
	INSTITUTIONAL BLOCK						500	1120
1	LECTURE ROOM	80	90	68	1.2-1.4/PERSON	14	40	784
2	LECTURE ROOM	60	55	-	1.2-1.4/PERSON	2	20	46
3	ARCHITECTURE LAB	90	85	150	3.5-4.5/PERSON	1	40	160
4	COMPUTER LAB	120	80	160	1.2-1.4/PERSON	1	40	75
5	LIBRARY	140	120	194	1.2/PERSON	1	100	120
6	SEMINAR ROOM	-	50	112	1.2/PERSON	2	40	96
7	TOILET M/F	30	25	30	M 1/50, F 1/25	M 2/100, F 3/70		

5.3 Hostel (Girls)

S. NO.	REQUIREMENTS	CASE STUDY 1	CASE STUDY 2	LITERATURE	NORMS	REQUIRED NO.	NO.OF BOYS	NO. OF GIRLS	REQUIRED
		NSTI ,NOIDA	NSTI,JAIPUR	IICD,JAIPUR		OF BOYS/GIRLS			AREA IN (SQ.M)
	HOSTEL BLOCK								
1	3 BEDDED ROOMS	22	-	-	20 SQ.M	103/68	300	200	5634
2	SINGLE BEDDED ROOMS	16	-	-	9 SQ.M	03/003	3	3	54
3	MESS	80	-	-	1.7/1.9 SQ.M	150	300	200	881
4	KITCHEN	52	-	-	40% OF SITTING AREA	-	-	-	60
5	PREPATORY AREA	-	-	-	60% OF KITCHEN AREA	-	-	-	36
6	SERVING AREA	-	-	-	15% OF KITCHEN AREA	-	-	-	9
7	DISH WASH AREA	-	-	-	25% OF KITCHEN AREA	-	-	-	15
8	COMMON ROOM	52	-	-	-	-	-	-	42
9	WARDENS ROOM	18	-	-	-	-	-	-	16
10	STORE	24	-	-	-	-	-	-	24

5.4 Hostel (BOYS)

S. NO.	REQUIREMENTS	CASE STUDY 1 NSTI ,NOIDA	CASE STUDY 2 NSTI,JAIPUR	LITERATURE IICD,JAIPUR	NORMS	REQUIRED NO. OF BOYS/GIRLS	NO.OF BOYS	NO. OF GIRLS	REQUIRED AREA IN (SQ.M)
HOSTEL BLOCK									
							300	200	5634
1	3 BEDDED ROOMS	22	-	-	20 SQ.M	103/68	267	197	3420
2	SINGLE BEDDED ROOMS	16	-	-	9 SQ.M	03/003	3	3	54
3	MESS	80	-	-	1.7/1.9 SQ.M	150	300	200	881
4	KITCHEN	52	-	-	40% OF SITTING AREA	-	-	-	60
5	PREPATORY AREA	-	-	-	60% OF KITCHEN AREA	-	-	-	36
6	SERVING AREA	-	-	-	15% OF KITCHEN AREA	-	-	-	9
7	DISH WASH AREA	-	-	-	25% OF KITCHEN AREA	-	-	-	15
8	COMMON ROOM	52	-	-	-	-	-	-	42
9	WARDENS ROOM	18	-	-	-	-	-	-	16
10	STORE	24	-	-	-	-	-	-	24

5.5 WORKSHOP BLOCK

S. NO.	REQUIREMENTS	CASE STUDY 1 NSTI ,NOIDA	CASE STUDY 2 NSTI,JAIPUR	LITERATURE IICD,JAIPUR	NORMS	REQUIRED NO.	NO.OF PERSON	REQUIRED AREA IN (SQ.M)
WORKSHOP BLOCK								
							500	1540
1	METAL WORKSHOP	180	150	300	240	1	40	200
2	CERAMIC WORKSHOP	-	-	160	-	1	40	140
3	TEXTILE WORKSHOP	-	-	100	-	1	40	120
4	WOOD WORKSHOP	220	-	214	180	1	40	200
5	ELECTRICAL WORKSHOP	165	180	-	120	1	40	120
6	DRESS MAKING WORKSHOP	130	150	-	-	1	40	150
7	DRAFTING LAB	120	90	140	3.5-4.5/PERSON	1	40	160
8	WELDING WORKSHOP	180	150	-	220	1	40	180
9	EXHIBITION ROOM	-	-	100	1.5 SQ.M / PERSON	1	60	90
10	WORKSHOP STORE	-	-	150	24 SQ.M / WORKSHOP	6		180
	TOILET M/F	30	25	60	M 4/190,F 6/130			

CONCEPT

Chapter 6 : Concept

1. Emergence Of Zeitgeist

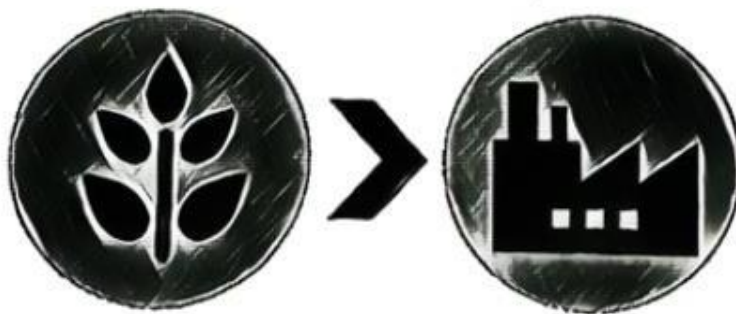
1. *Zeitgeist*

The zeitgeist is a concept from 18th- to 19th-century German philosophy, meaning “spirit of the age” or “ spirit of the times”. It refers to an invisible agent or force dominating the characteristics of a given epoch in world history.

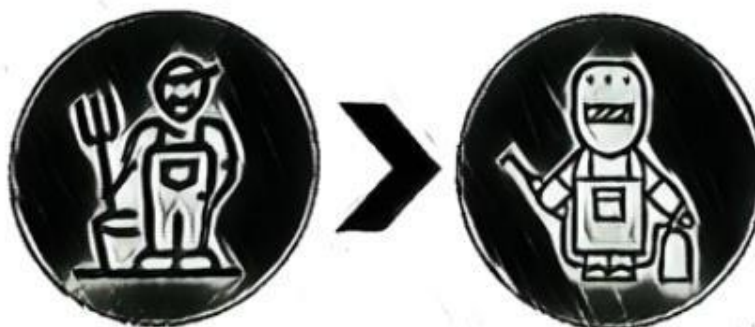
2. *How the Era Is Changing ?*



Changing neemrana from Tractors to cars and trucks



Changing neemrana from Agriculture to Industrial



Changing neemrana from Farmers to skilled labours

How the Era Is Changing in Neemrana ?

6.1.3 Emergence Of Zeitgeist?

When we encounter discussions about the “post-truth era” or the “age of me-too”, we encounter claims about epochal trends or period-specific cultural patterns. Such claims are quite common in public debate, the media, and in some traditions of cultural analysis; yet, as I shall argue, we currently lack the conceptual tools to frame such claims as accountable sociological hypothesis and subject them to systematic investigation in the context of other sociological concepts.

The concept of “zeitgeist” – literally “spirit of the times” – as a tool for sociological analysis. Thus understand zeitgeist as a hypothesis for a pattern in meaningful practices that is specific to a particular historical time-period, links different realms of social life and social groups, and extends across geographical contexts. As such, the concept of zeitgeist sensitises us to a set of phenomena, which can be described independently of and alongside other cultural phenomena such as trans- historical schemas, binaries, or group-specific patterns. Culture is sometimes hypothesized as patterns in meanings, which are constant across time, or which are at least relatively enduring.



Concept Of Zeitgeist



Changing Scenerio Of Neemrana

6.1.4 How It Is relevant?

The Neemrana town is witnessing a major social change in its status. With the arrival of DMIC corridor, the town is changing its nature from the Agrarian society to an Industrial town. This shift has many direct impact on the life of people from and around Neemrana. The major change which can be seen in the shift in the job and work profile. Previously, most of the people in the town were involved in farming or farming related work. But this will change to people being indulged in manufacturing industrial products and related jobs.

This will not only change their job profile, but will impact their social life to. The shift of social living will be seen from the rural to that of urban. The street typology, building typology, social infrastructure, cityscape, etc. is bound to be urbanised which will change the way the people live. The proposed centre is a facilitator for this change whose main purpose is to equip the people with capabilities to gradually settle in the emerging society. The centre tries to become a stepping stone for the people in this changing scenario.



As The Representation of the logo the basic concept of the project is to accept the emerging changes in neemrana without losing neemrana as an identity



Transformed Jharokha used at southern side



Transformed Jharokha used at Northern side

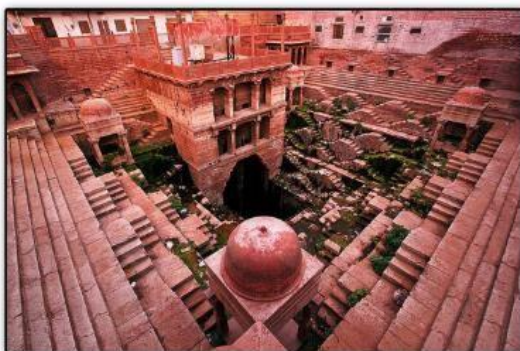


Transformed Jharokha used at east/west side

Transformed Window From Jharokha's

Stepwell

Stepwells are wells or ponds in which the water is reached by descending a set of steps to the water level. They may be multi-storied with a bullock turning a water wheel to raise the well water to the first or second floor. They are most common in western India and are also found in the other more arid regions of the Indian subcontinent, extending into Pakistan. The construction of stepwells are mainly utilitarian, though they may include embellishments of architectural significance, and be temple tanks. Stepwells are examples of the many types of storage and irrigation tanks that were developed in India, mainly to cope with seasonal fluctuations in water availability. A basic difference between stepwells on the one hand, and tanks and wells on the other, is to make it easier for people to reach the groundwater and to maintain and manage the well.



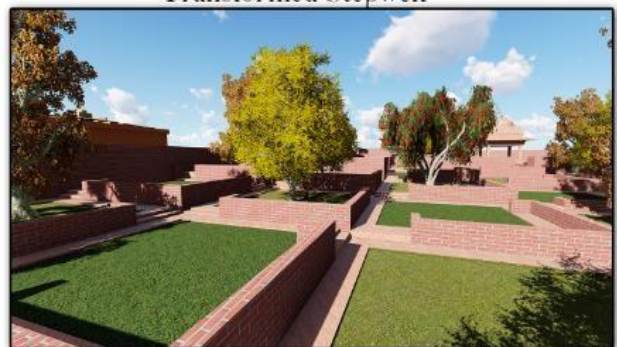
Stepwell at Jodhpur



Transformed Stepwell



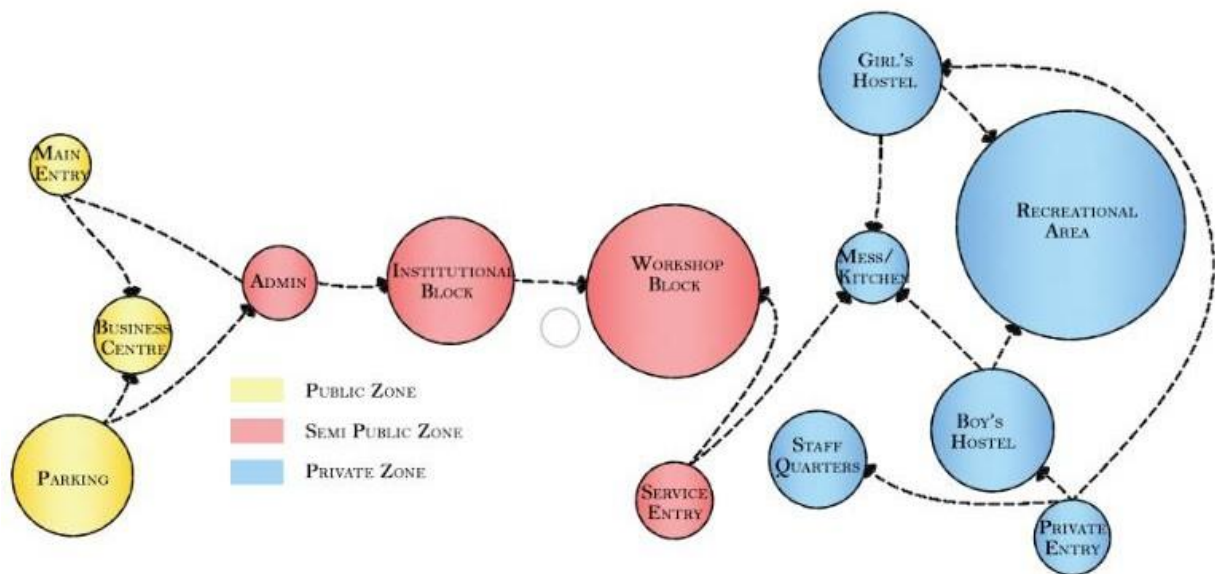
Toor ji ki bawali



Transformed Stepwell

Transformation Of Stepwell

6.2 SITE ZONING



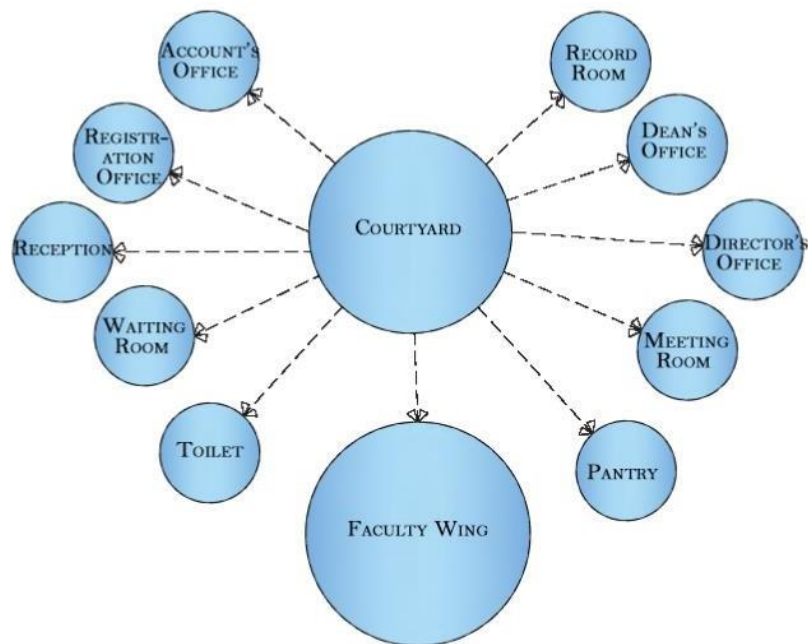
S.no	Space	Area
1	Business centre	450 Sqm
2	Administration Block	400 Sqm
3	Institutional Block	1200 Sqm
4	Workshop Block	2400 Sqm
5	Mess/ Kitchen	600 Sqm
6	Boy's Hostel Block	600 Sqm
7	Girl's Hostel Block	600 Sqm



SITE ZONING

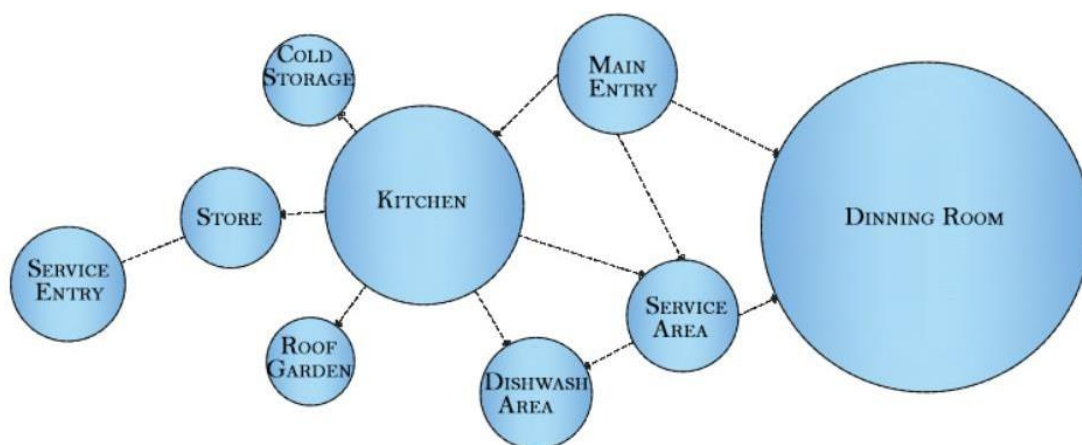
3. Space Relationship Diagram/ Bubble Diagram

1. Administration Block



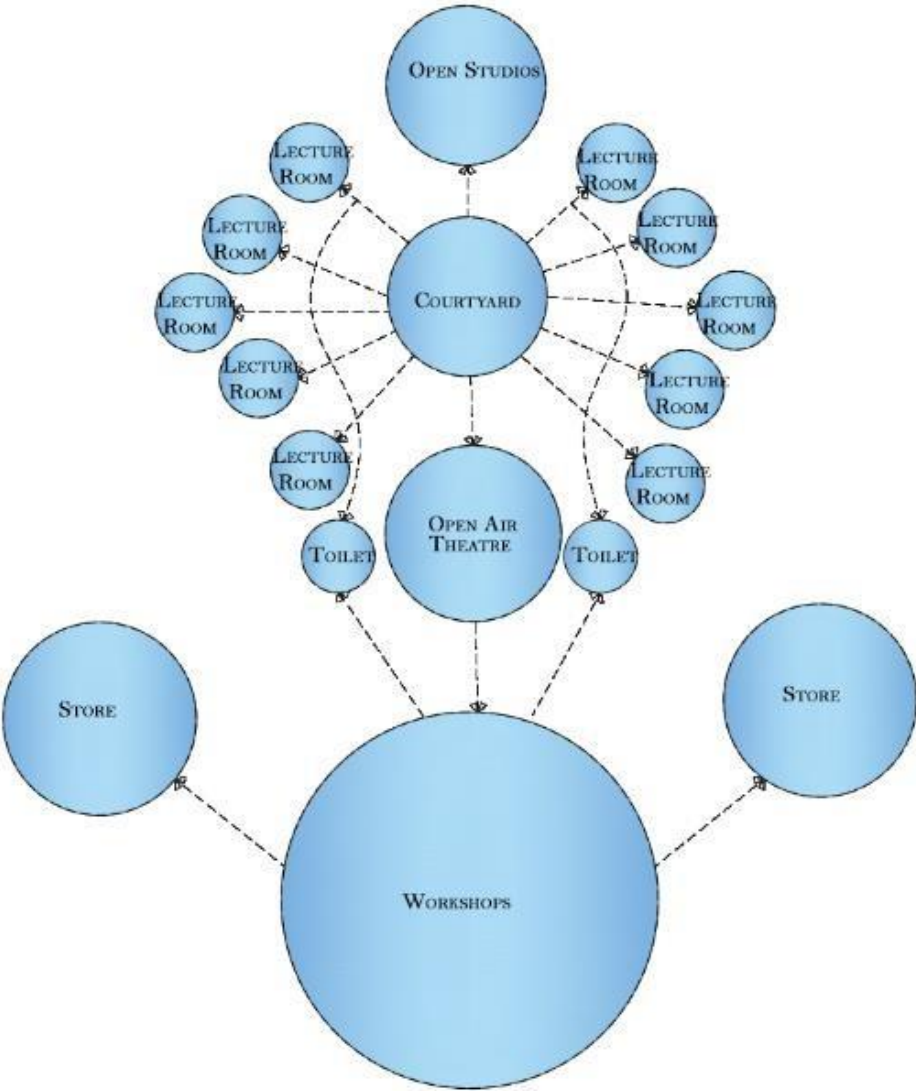
ADMINISTRATION BLOCK

6.3.2 Mess/ Kitchen



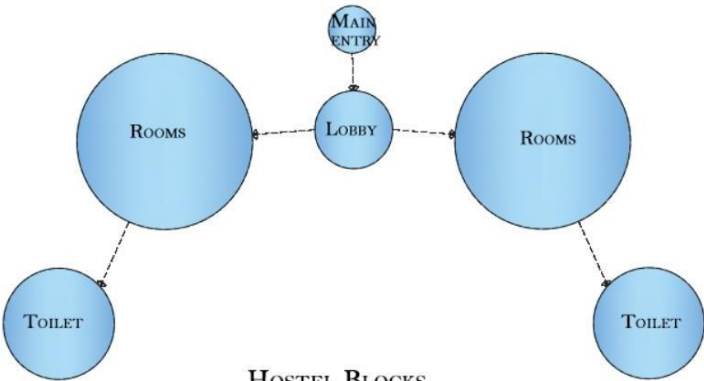
MESS/KITCHEN

6.3.3 Institutional and Workshop Block



INSTITUTIONAL BLOCK

6.3.4 Hostel Block



HOSTEL BLOCKS

4. Work Flow Diagram

1. Administration Block

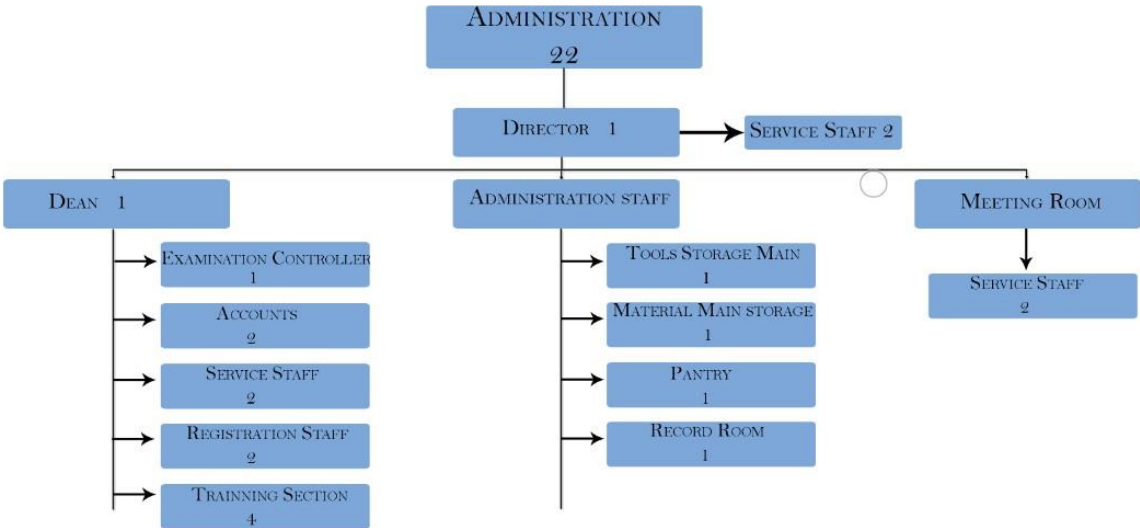
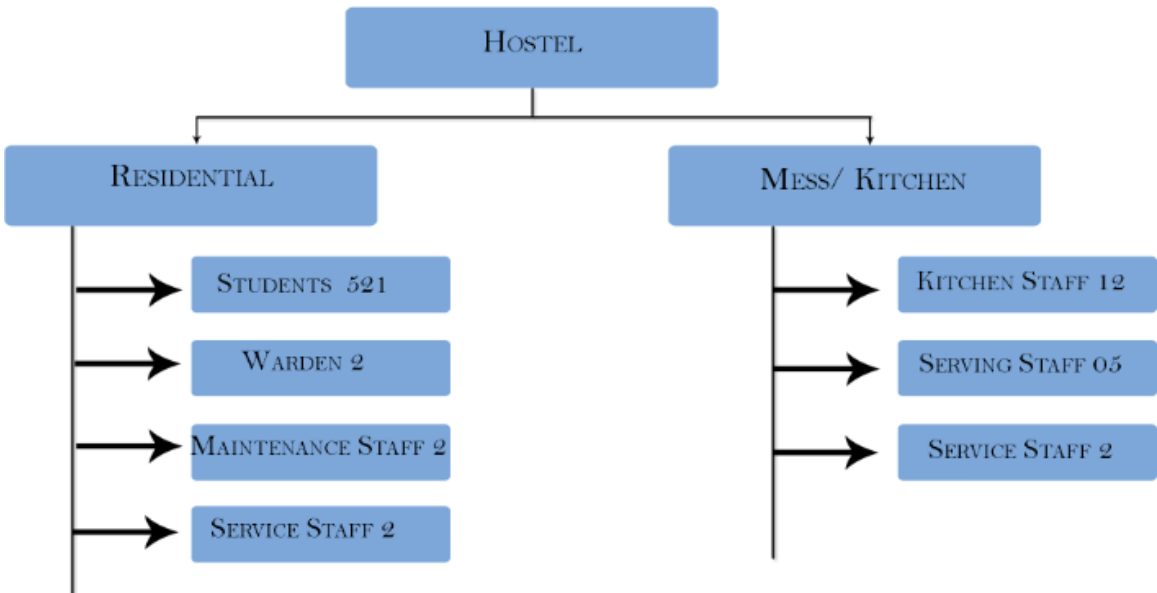
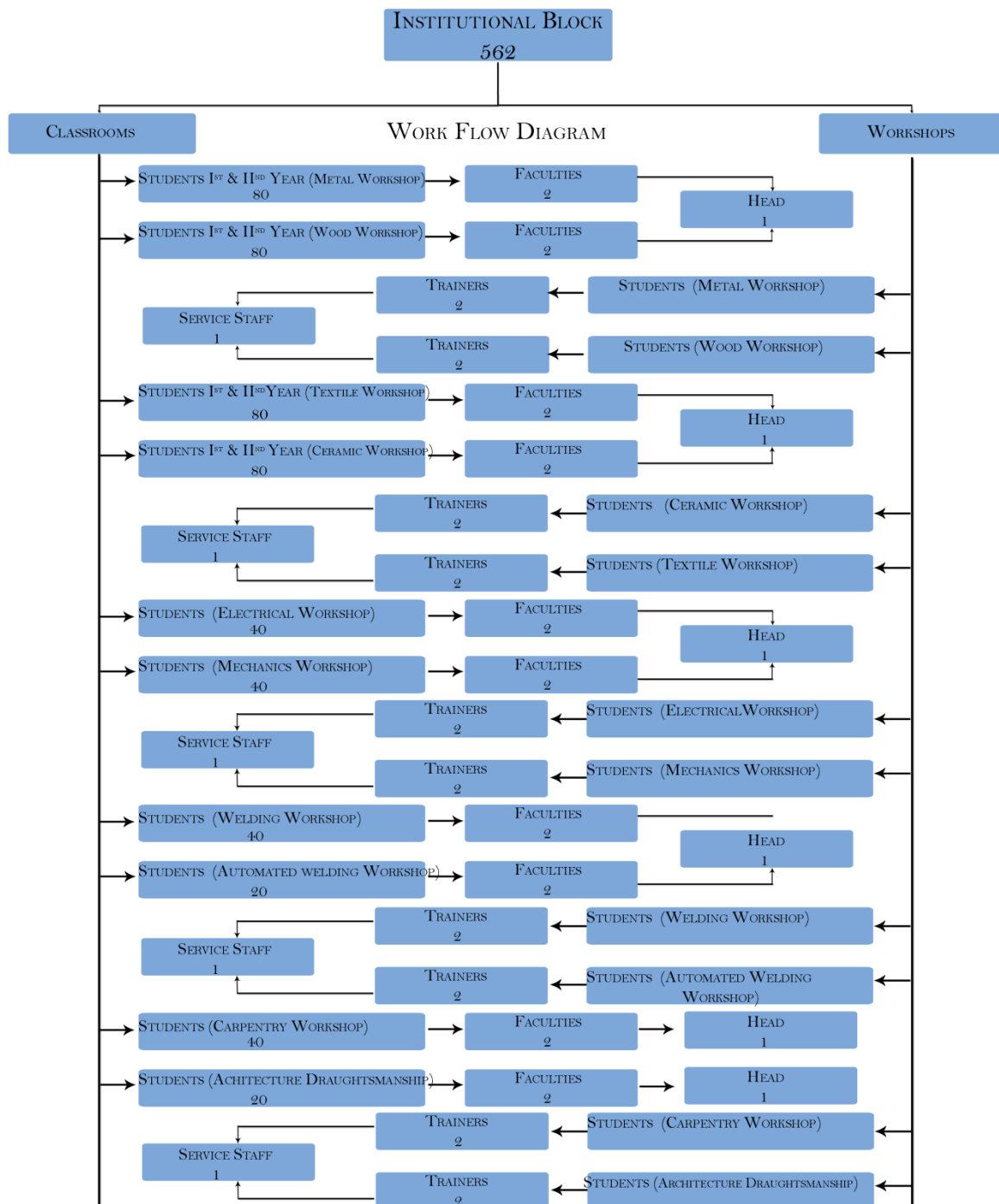


Figure 93 Administration block Work flow Diagram

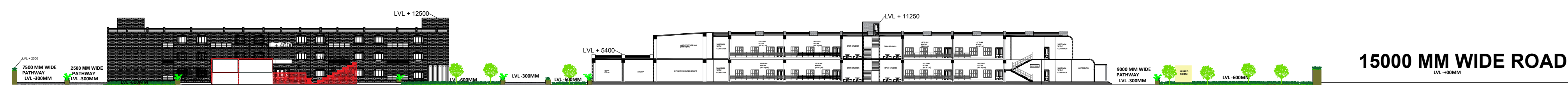
6.4.2 Hostel Block



6.4.3 Institutional Block



CHAPTER 7 : DESIGN PROPOSALS



NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN

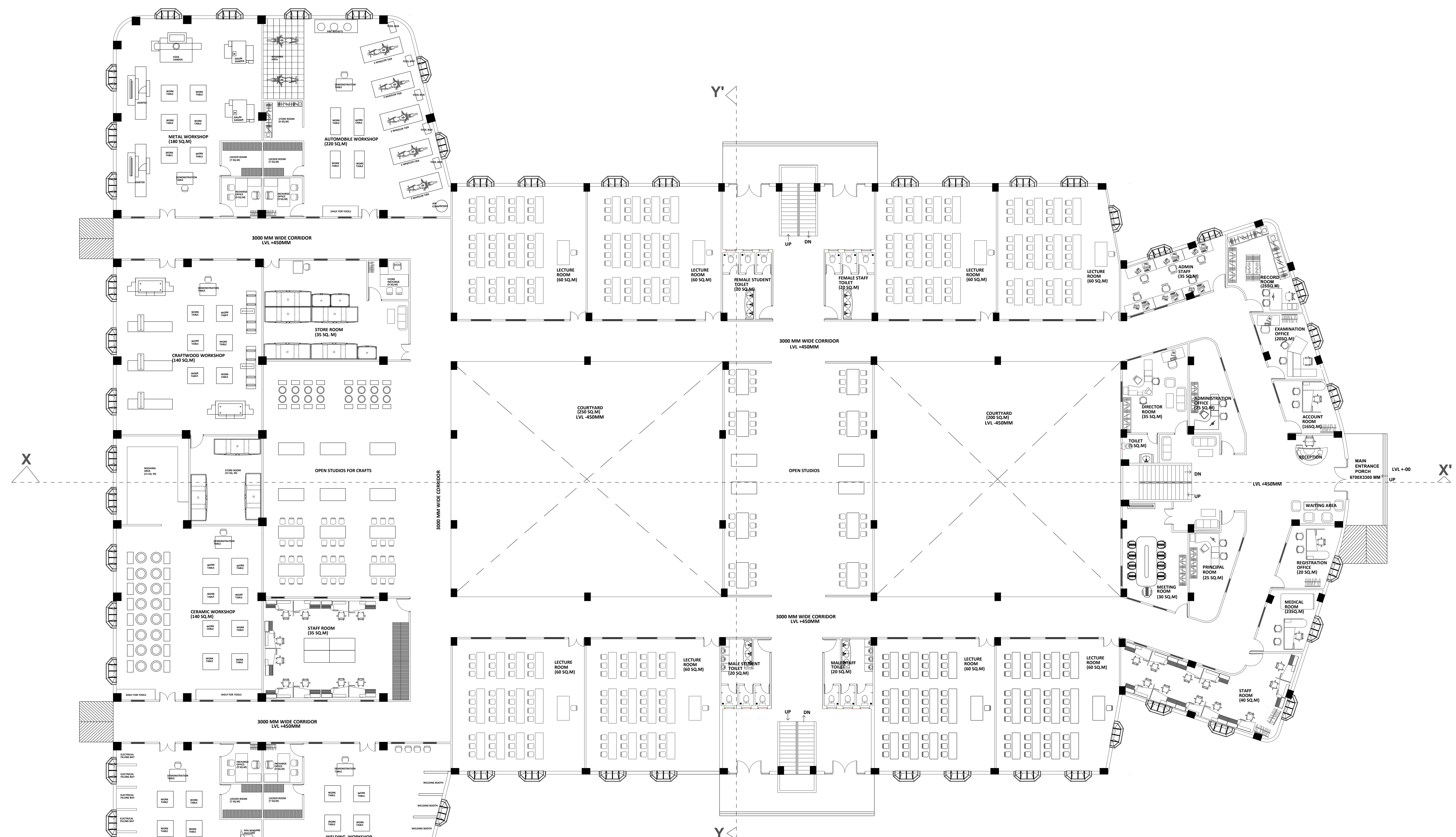
VIKAS

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THESIS YEAR - 2019/20

B.B.D.U , L.K.O

FLOOR PLANS



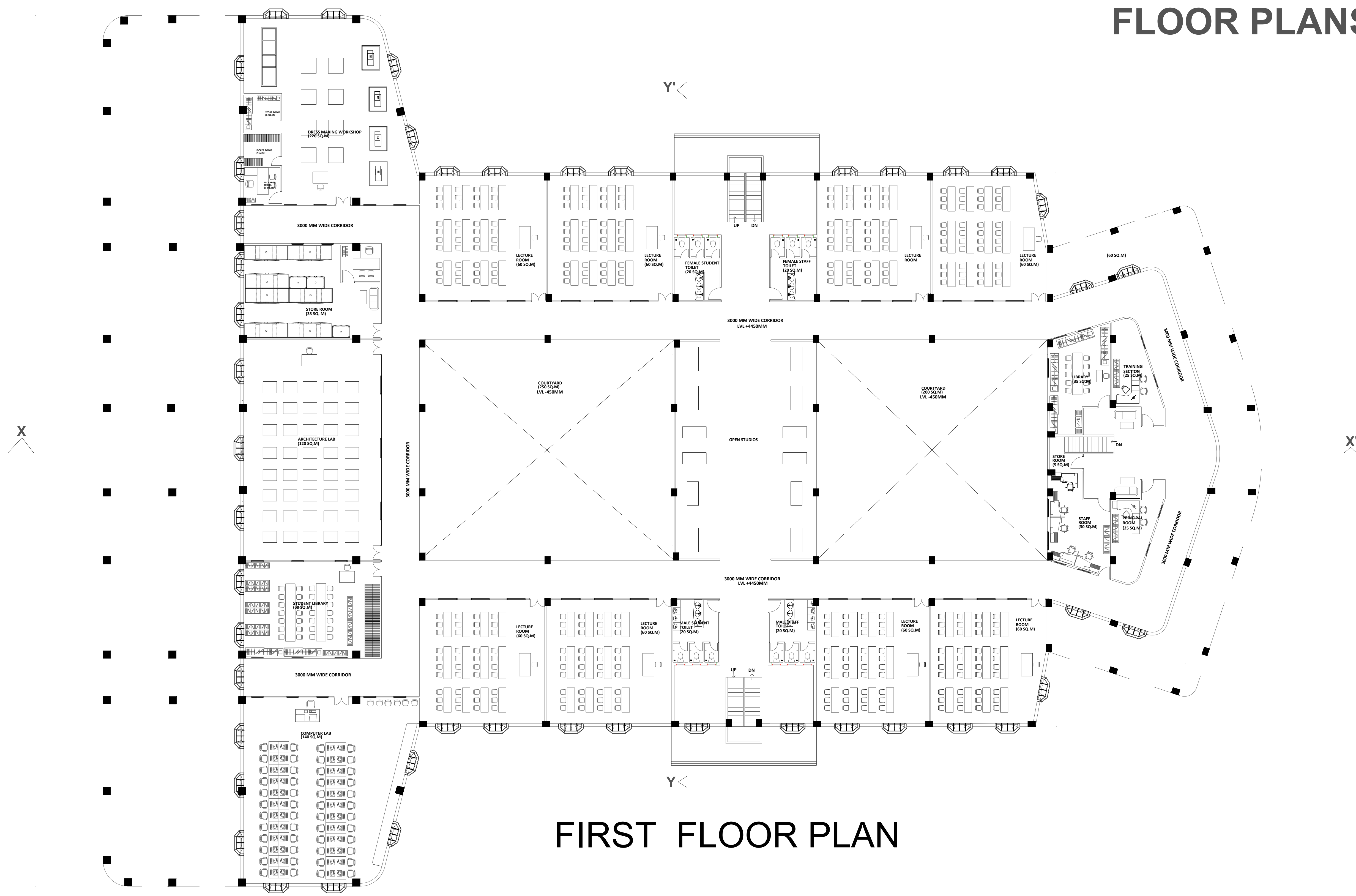
GROUND FLOOR PLAN

INSTITUTIONAL BLOCK

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FLOOR PLANS



FIRST FLOOR PLAN

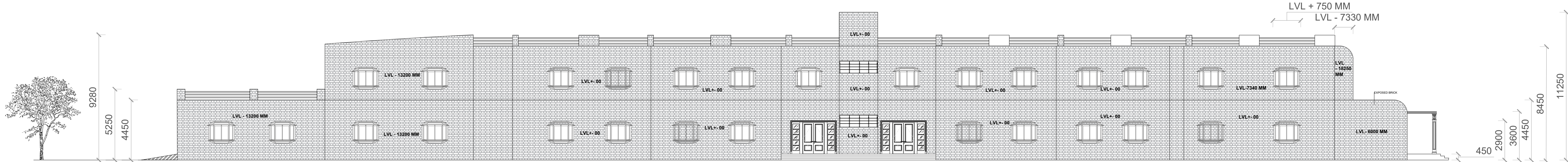
INSTITUTIONAL BLOCK

NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN	VIKAS
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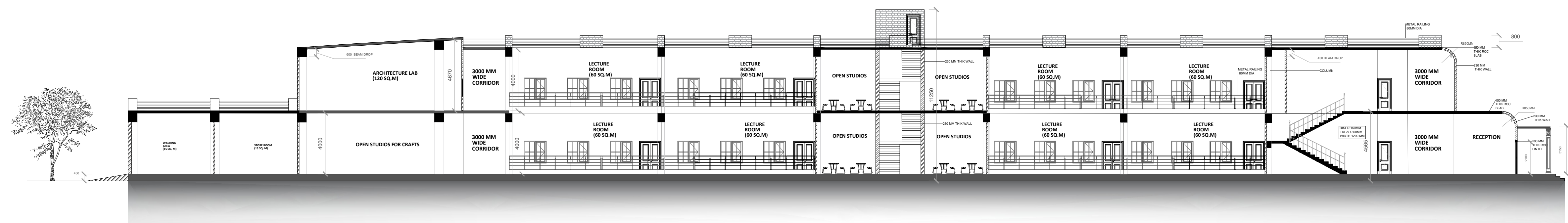
ELEVATION AND SECTION



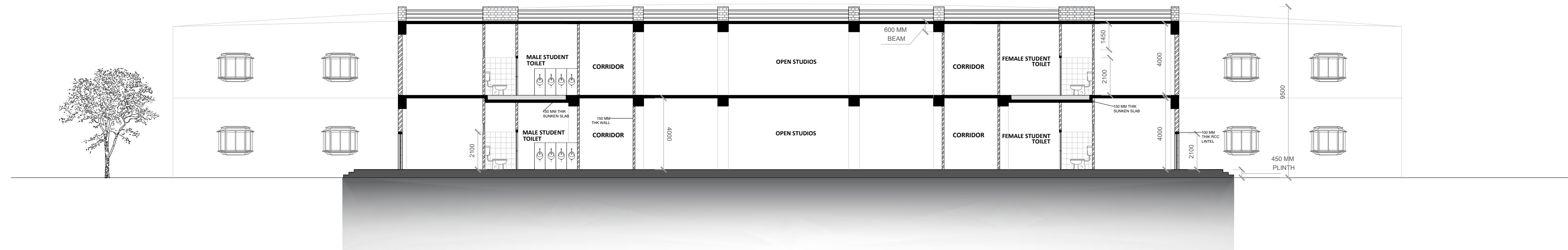
FRONT ELEVATION



SIDE ELEVATION



SECTION AT XX'



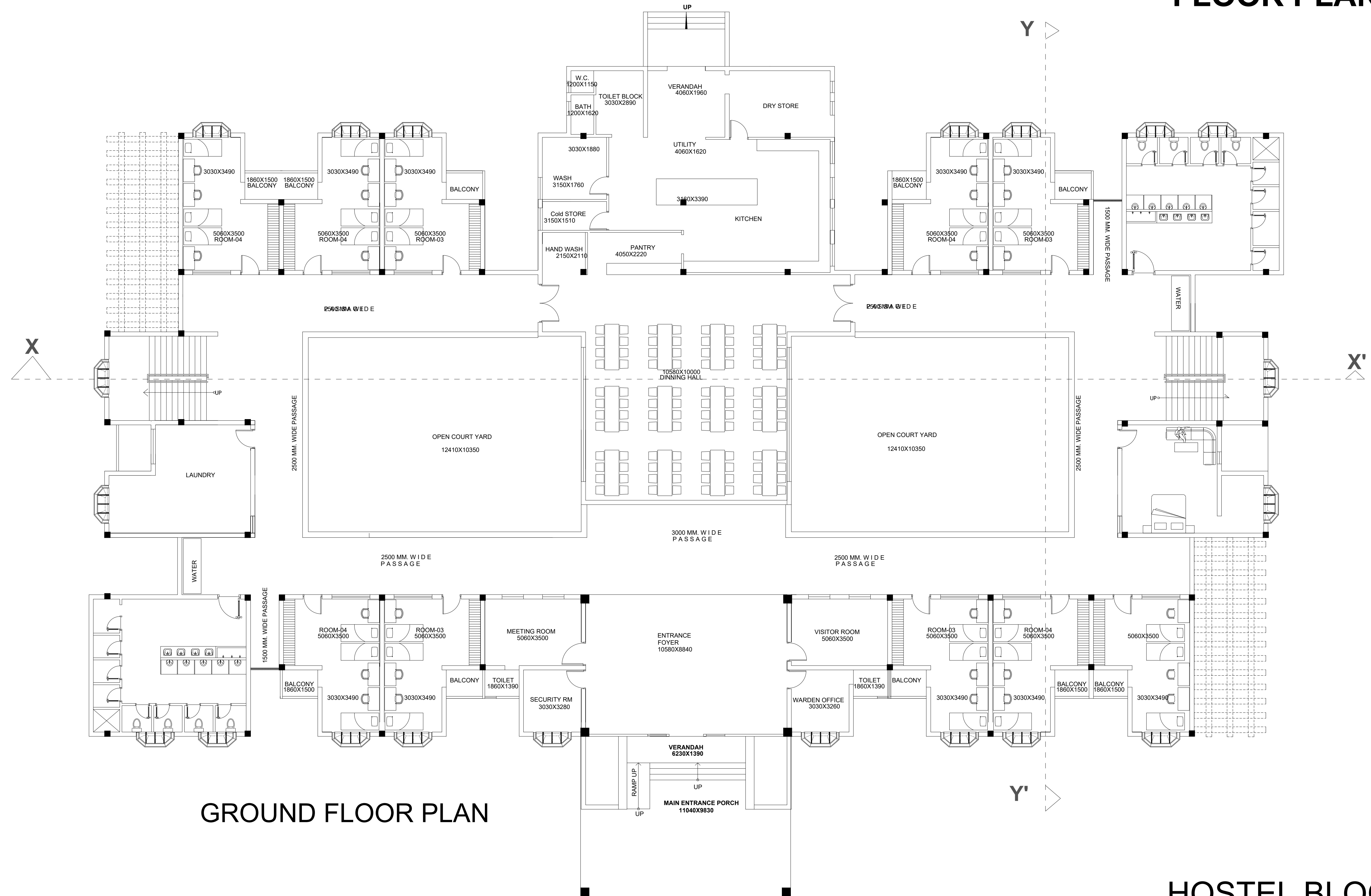
SECTION AT YY'

INSTITUTIONAL BLOCK

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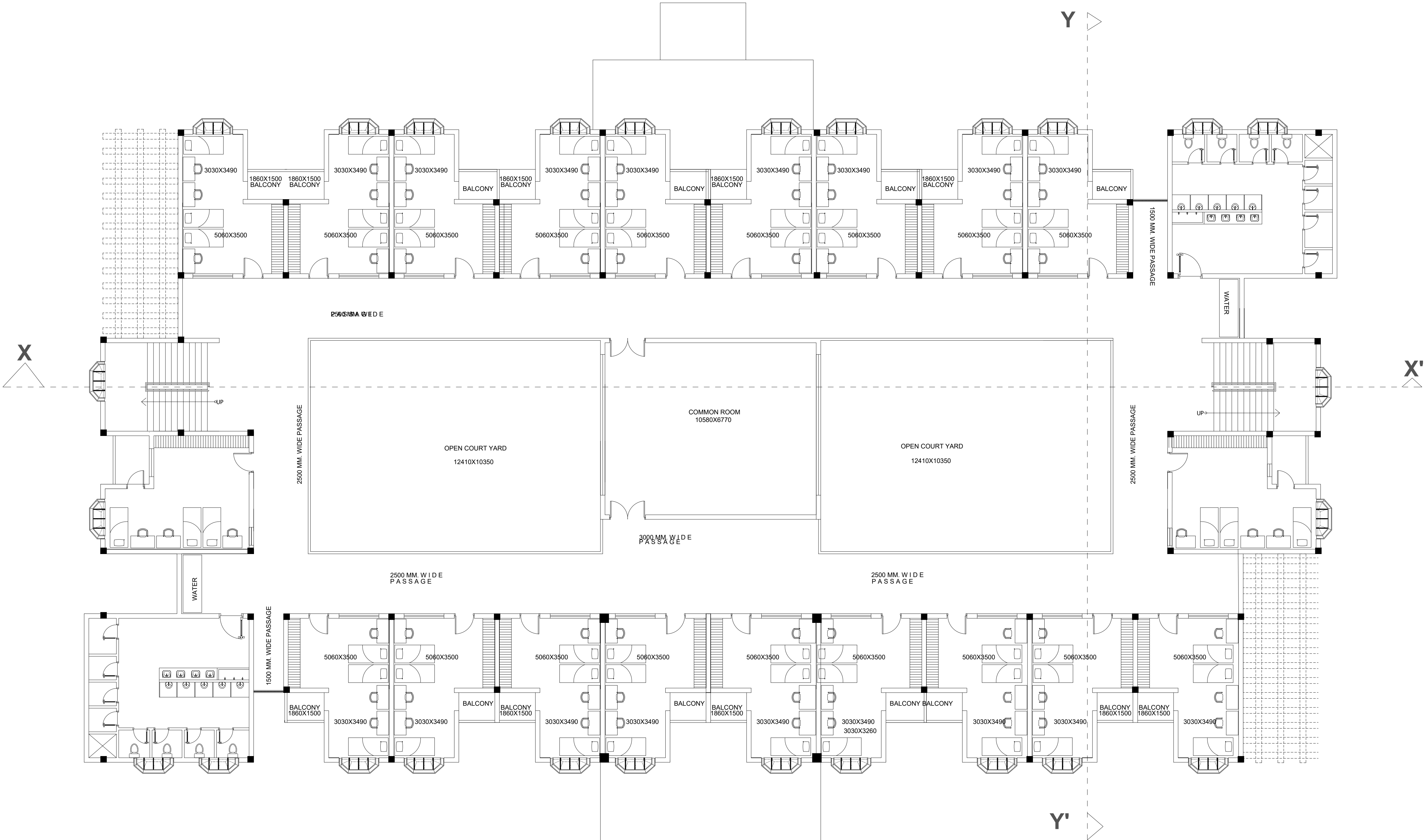
VIKAS

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FLOOR PLANS

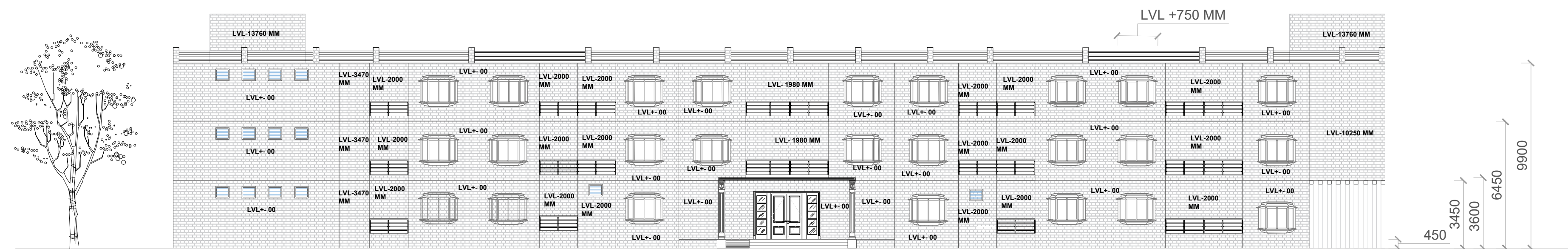


FIRST FLOOR PLAN

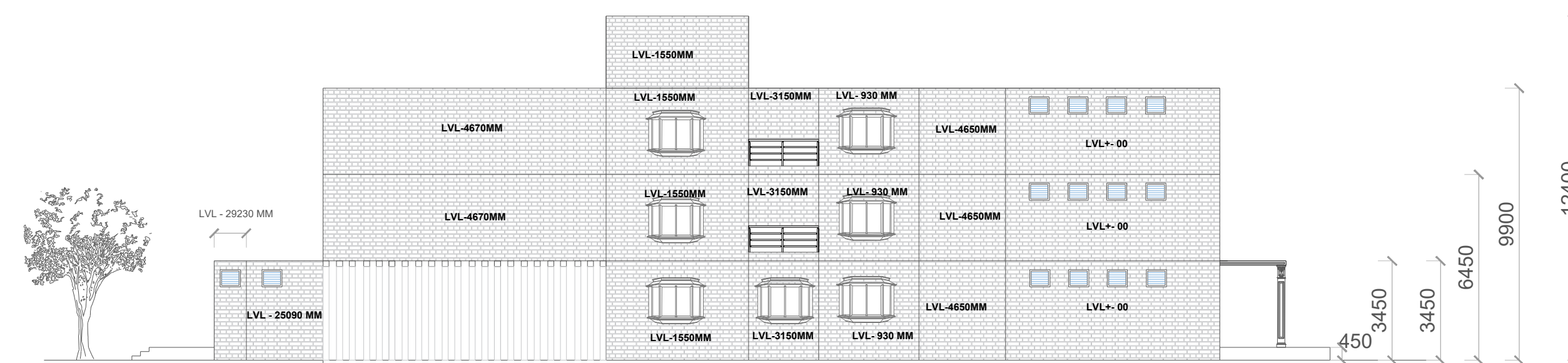
HOSTEL BLOCK

NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN

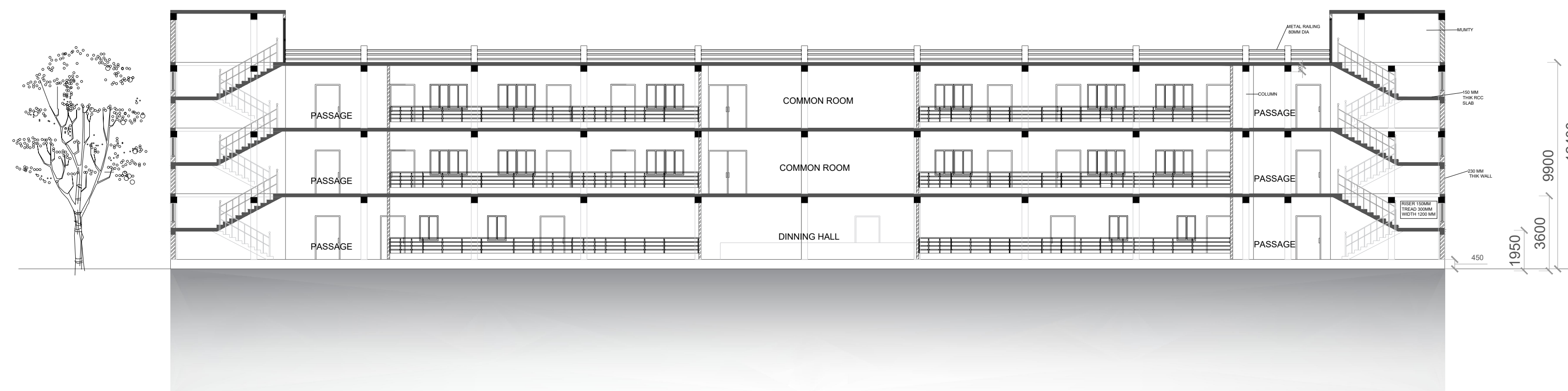
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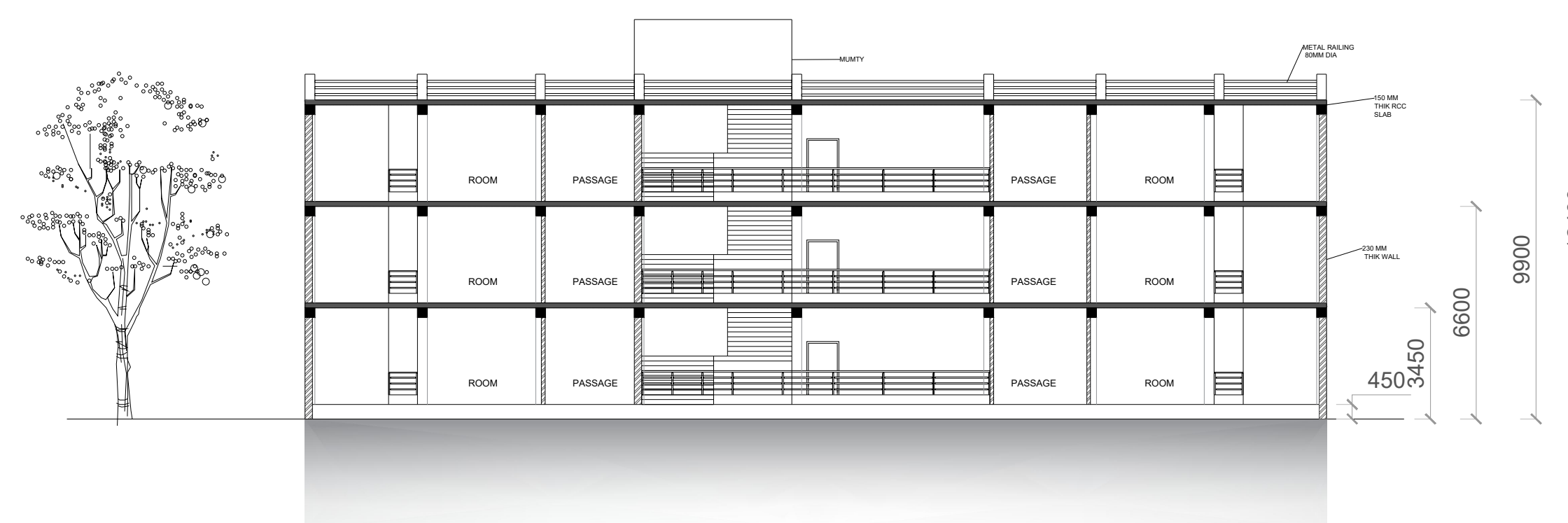
FRONT ELEVATION



SIDE ELEVATION



SECTION - XX'



SECTION - YY'

ELEVATION AND SECTION

HOSTEL BLOCK

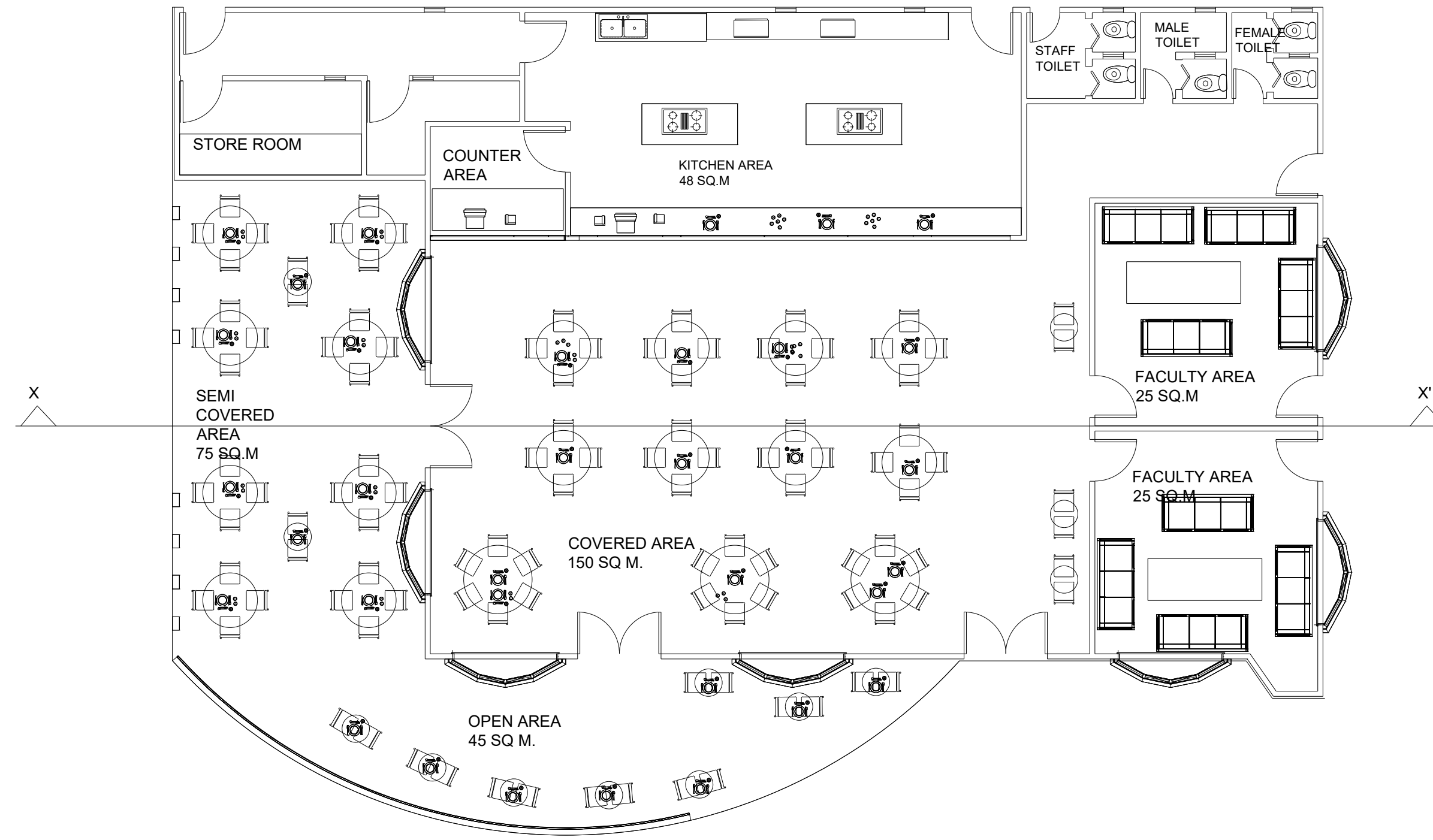
NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN

VIKAS

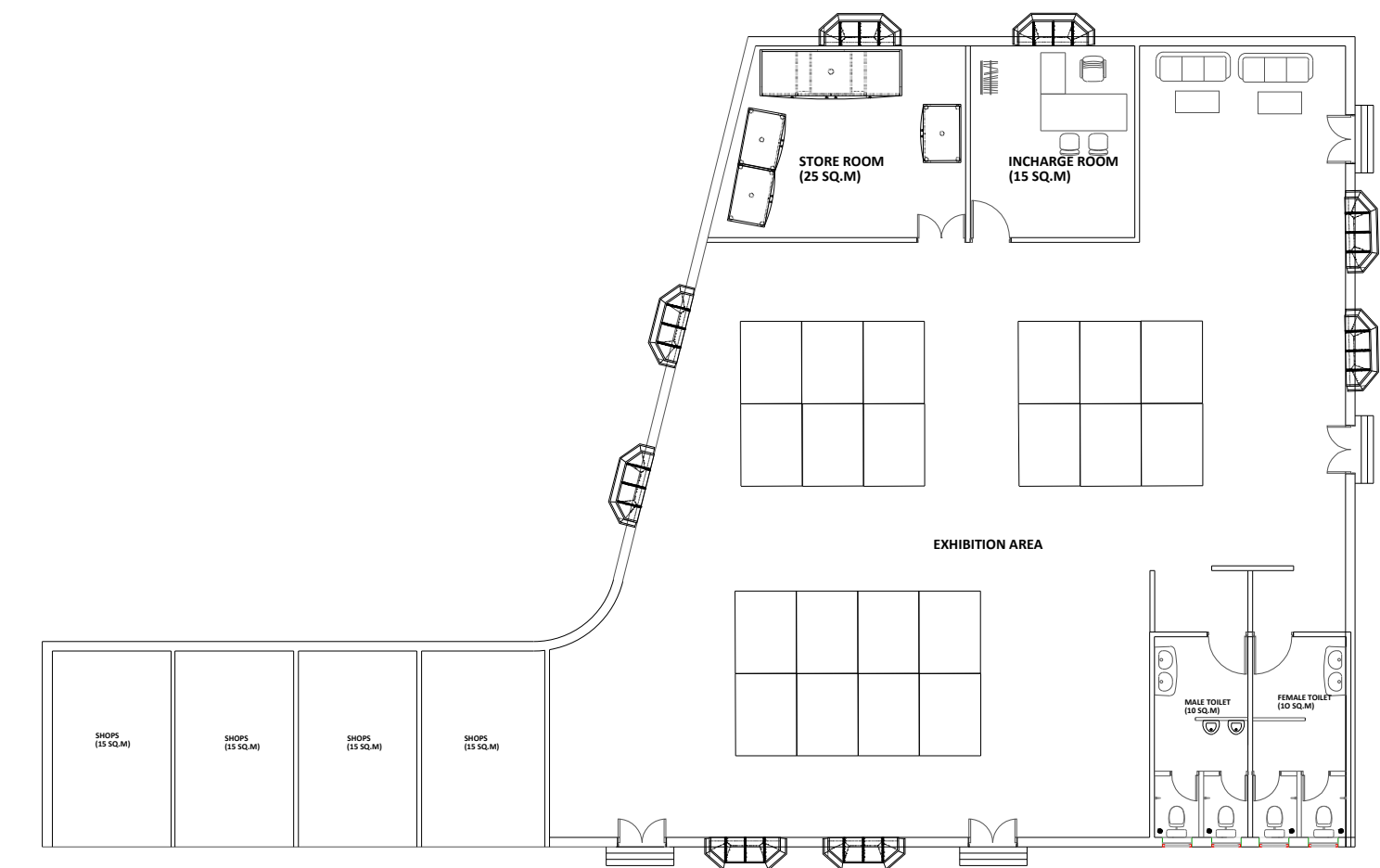
UNI. ROLL NO. : 1150101082

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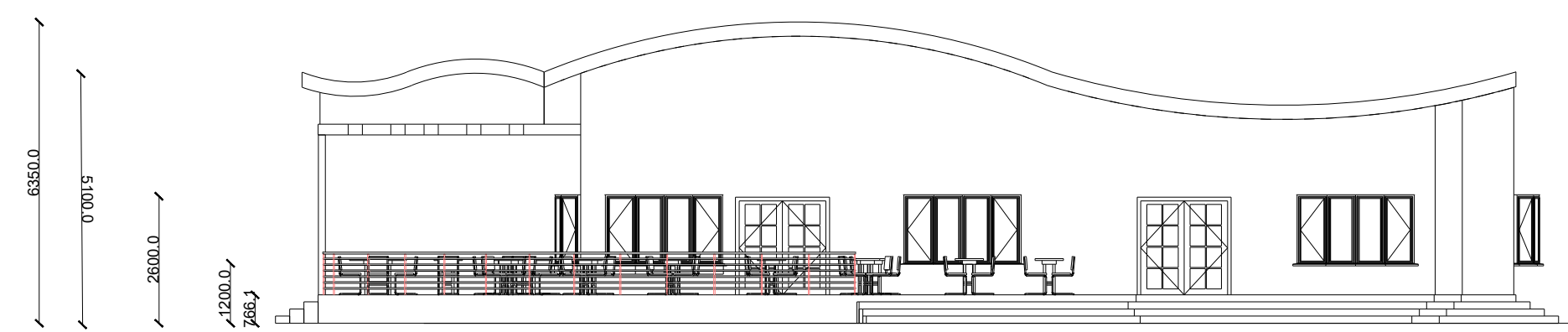
B.B.D.U , L.K.O



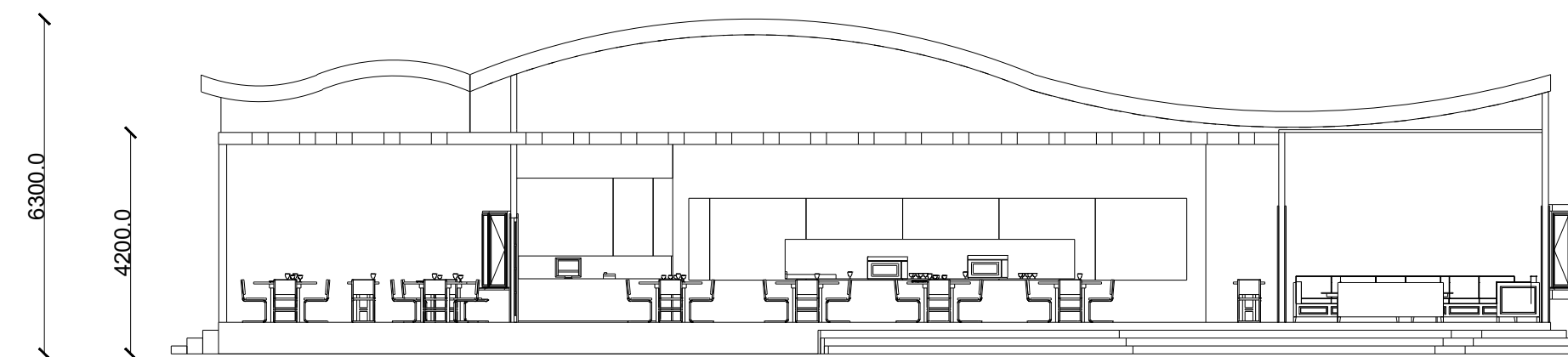
CANTEEN PLAN



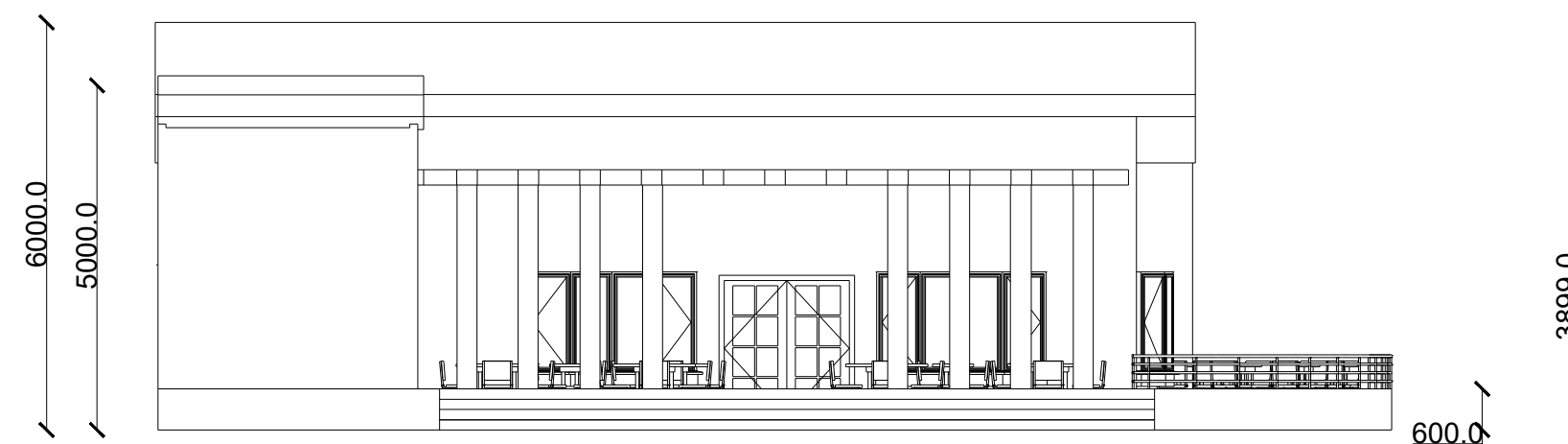
EXHIBITION PLAN



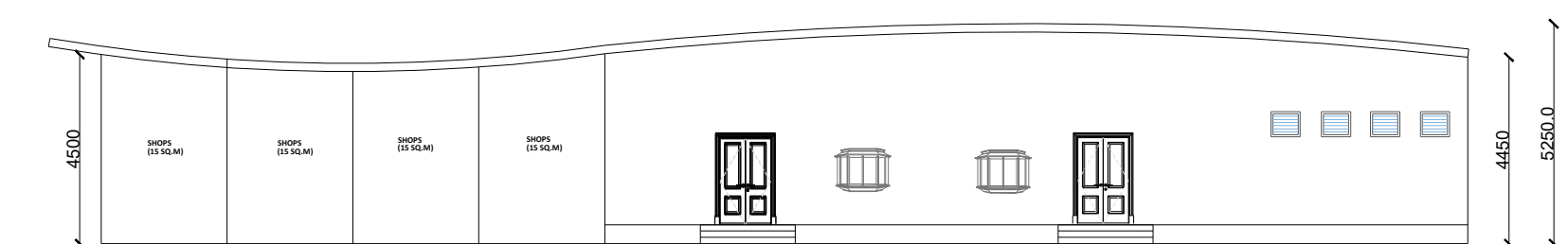
FRONT ELEVATION



SECTION XX'



SIDE ELEVATION



FRONT ELEVATION

CANTEEN AND EXHIBITION PLAN

NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN

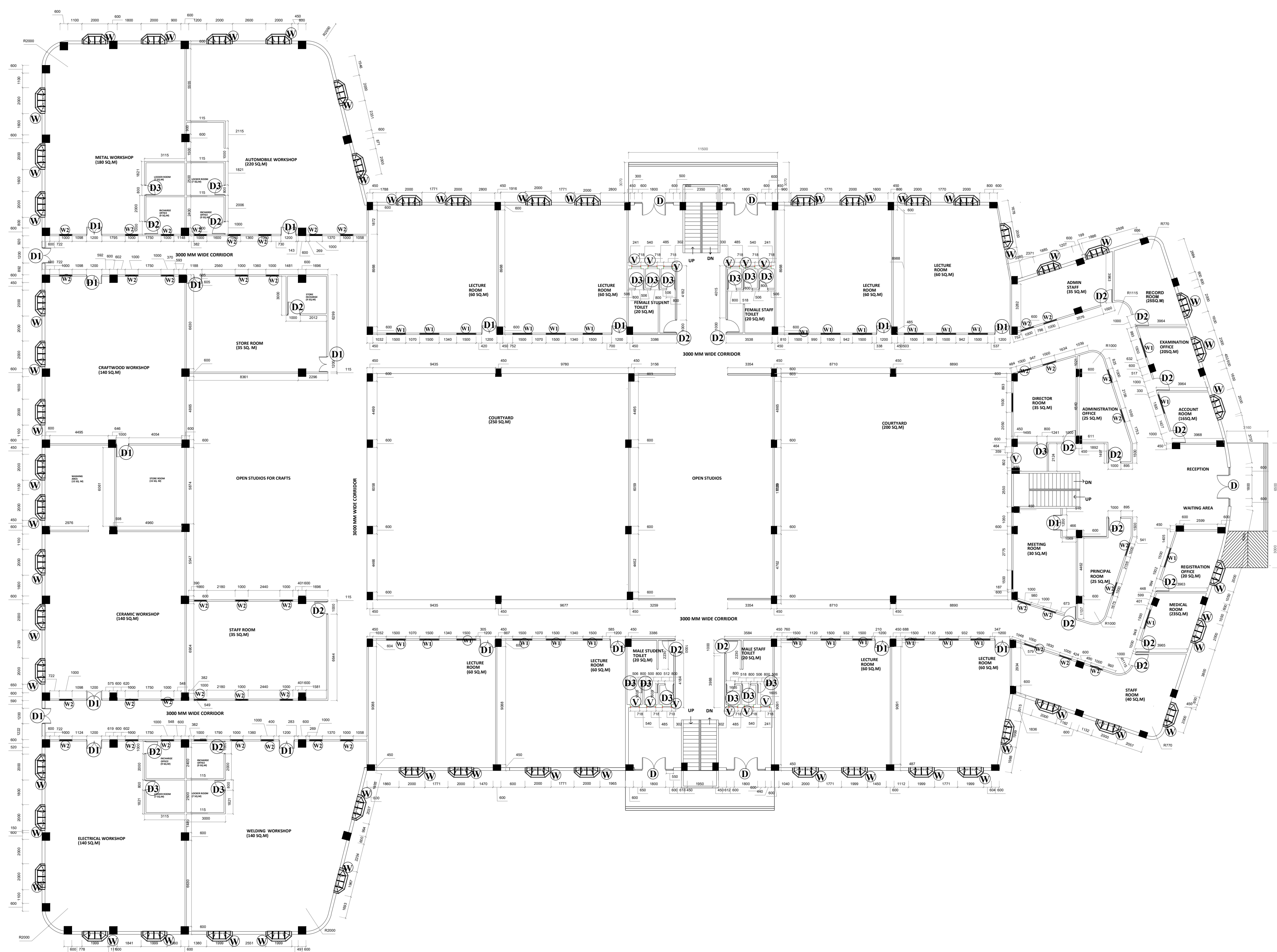
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ELECTIVE(WORKING DRAWING)



GROUND FLOOR PLAN

WINDOW SHEDULE				
S. NO	WINDOW	WIDE(AS PER PLAN)	SILL LEVEL	LINTEL LEVEL
1.	W	2000 MM	900 MM	2100 MM
2.	W1	1500 MM	900 MM	2100 MM
3.	W2	1000 MM	900 MM	2100 MM
VENTILATOR		WIDE	HEIGHT	
4.	V	600 MM	400 MM	

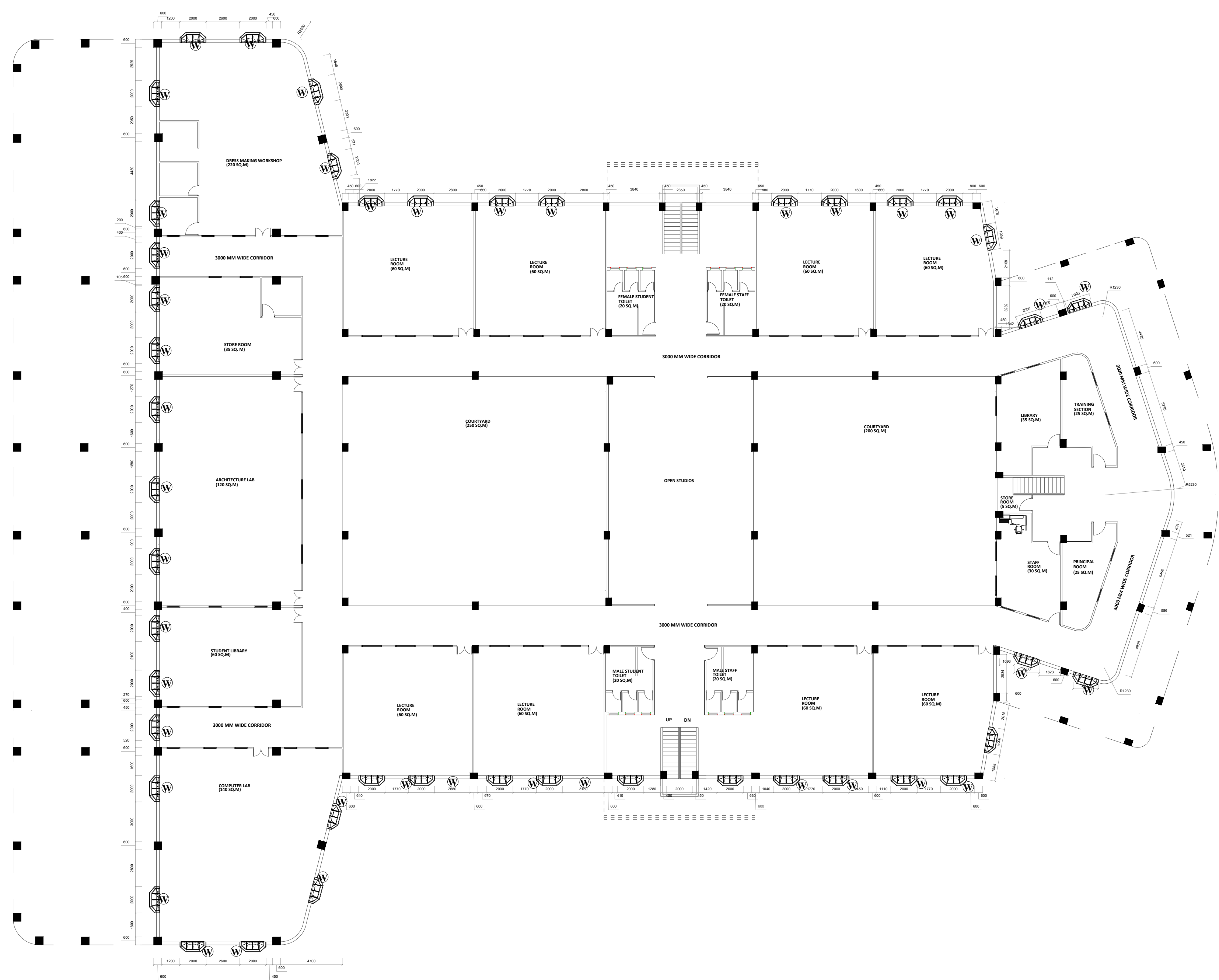
DOOR SCHEDULE			
S. NO	DOORS	WIDE(MM)	HIGHT(MM)
1.	D	1800	2100 MM
2.	D1	1500	2100 MM
3.	D2	1000	2100 MM
4.	D3	800	2100 MM

INSTITUTIONAL BLOCK

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THESIS YEAR - 2019/20
B.B.D.U , L.K.O

ELECTIVE(WORKING DRAWING)



FIRST FLOOR PLAN

WINDOW SHEDULE				
S. NO	WINDOW	WIDE(AS PER PLAN)	SILL LEVEL	LINTEL LEVEL
1.	W	2000 MM	900 MM	2100 MM
2.	W1	1500 MM	900 MM	2100 MM
3.	W2	1000 MM	900 MM	2100 MM
		<u>VENTILATOR</u>	<u>WIDE</u>	<u>HEIGHT</u>
4.	V	600 MM	400 MM	

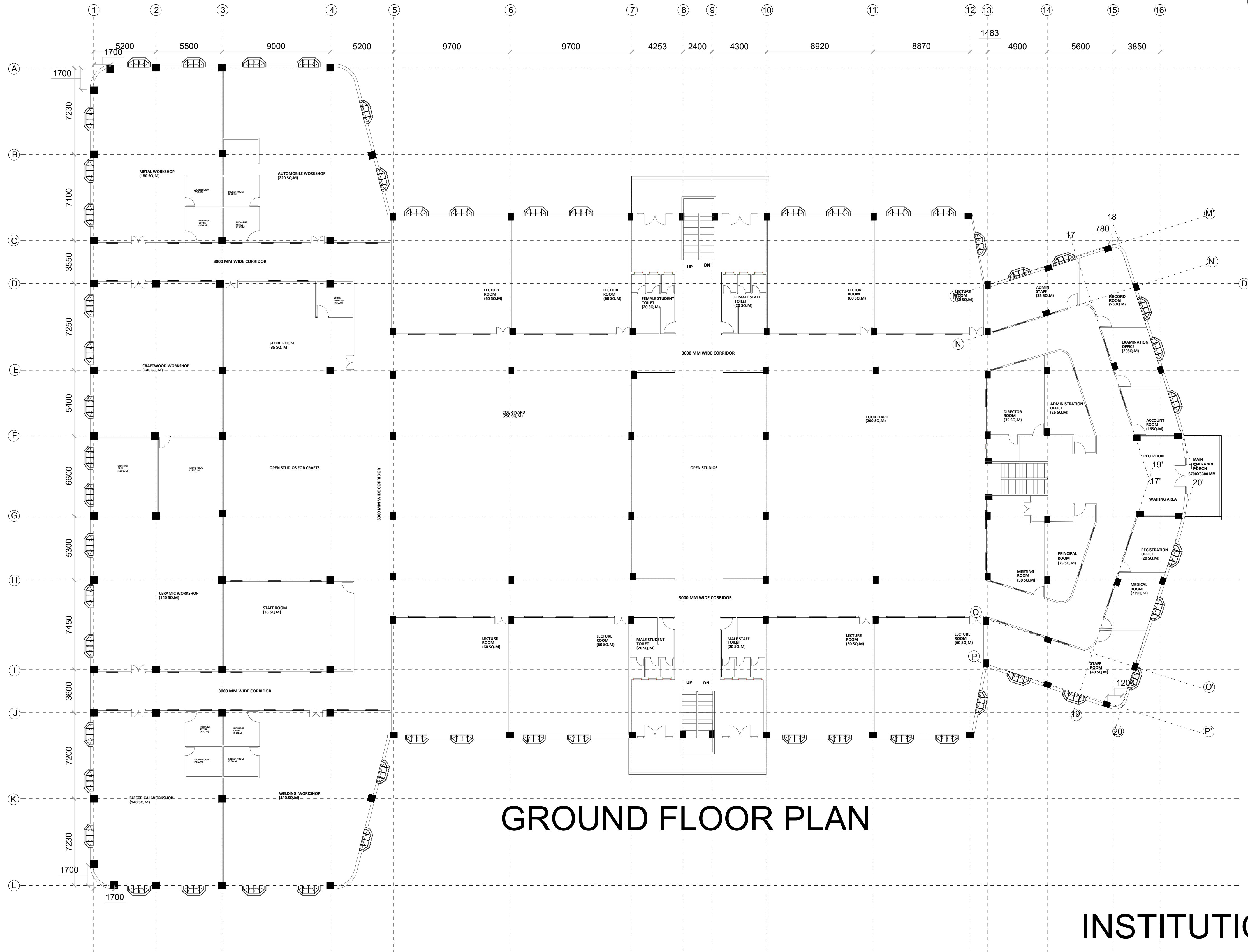
DOOR SCHEDULE			
S. NO	DOORS	WIDE(MM)	HIGHT(MM)
1.	D	1800	2100 MM
2.	D1	1500	2100 MM
3.	D2	1000	2100 MM
4.	D3	800	2100 MM

INSTITUTIONAL BLOCK

NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN

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GRID PLAN



INSTITUTIONAL BLOCK

NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN

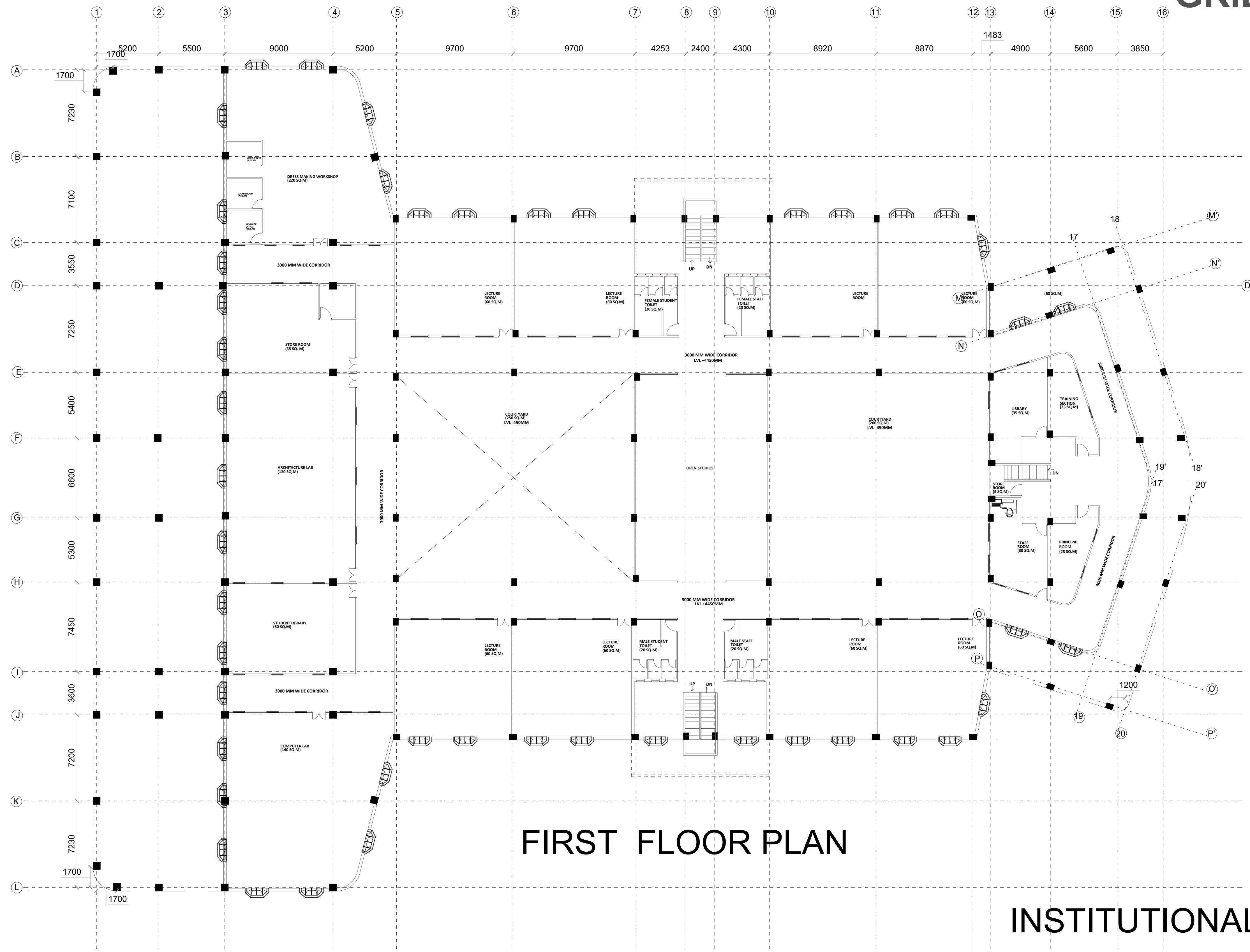
VIKAS

UNI. ROLL NO. : 1150101082

THESIS YEAR - 2019/20

B.B.D.U , L.K.O

GRID PLAN



NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN

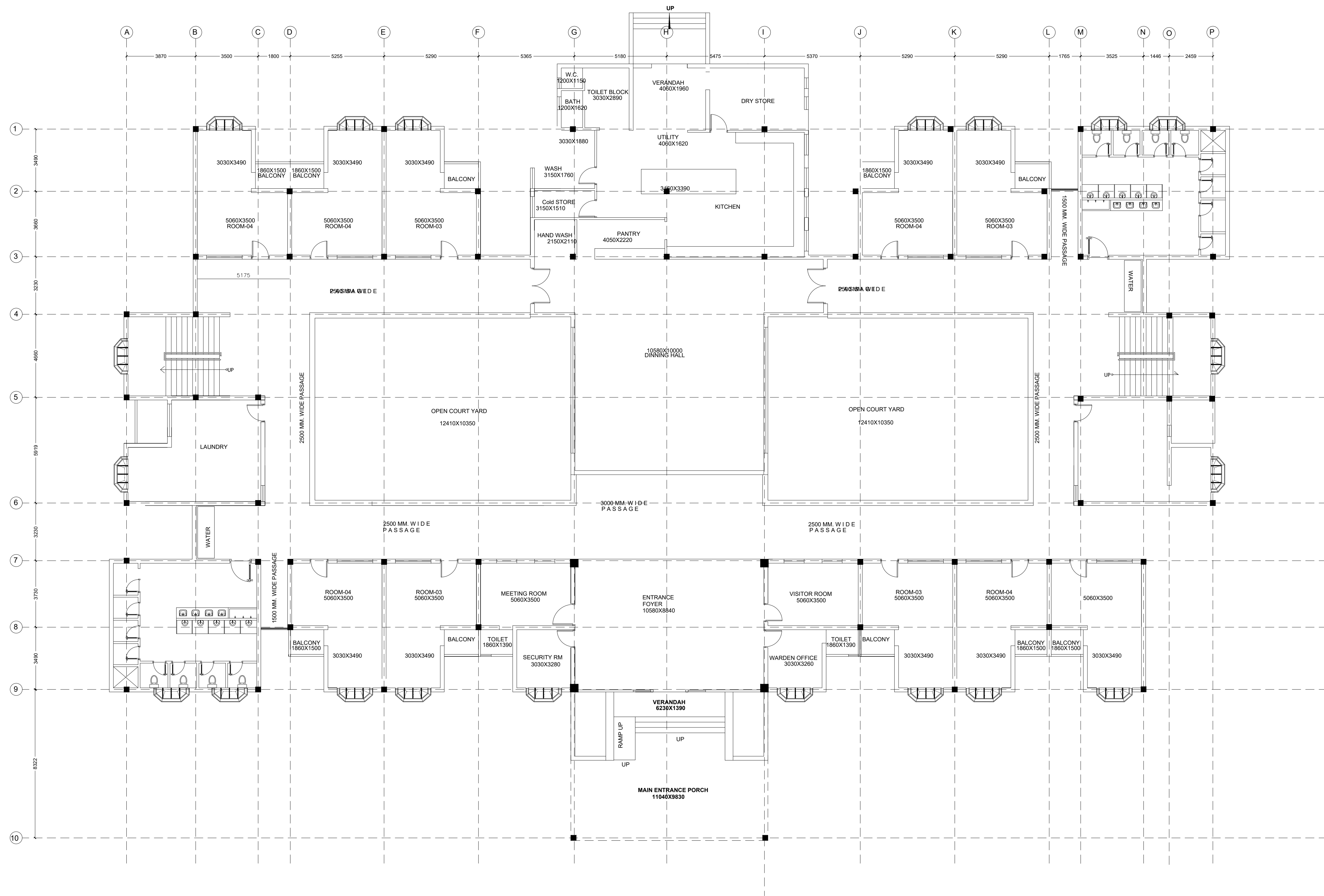
VIKAS

UNI. ROLL NO. : 1150101082

THESIS YEAR - 2019/20

B.B.D.U , L.K.O

GRID PLAN



GROUND FLOOR PLAN

HOSTEL BLOCK

NATIONAL SKILL AND CRAFT TRAINING INSTITUTE, NEEMRANA ,RAJASTHAN

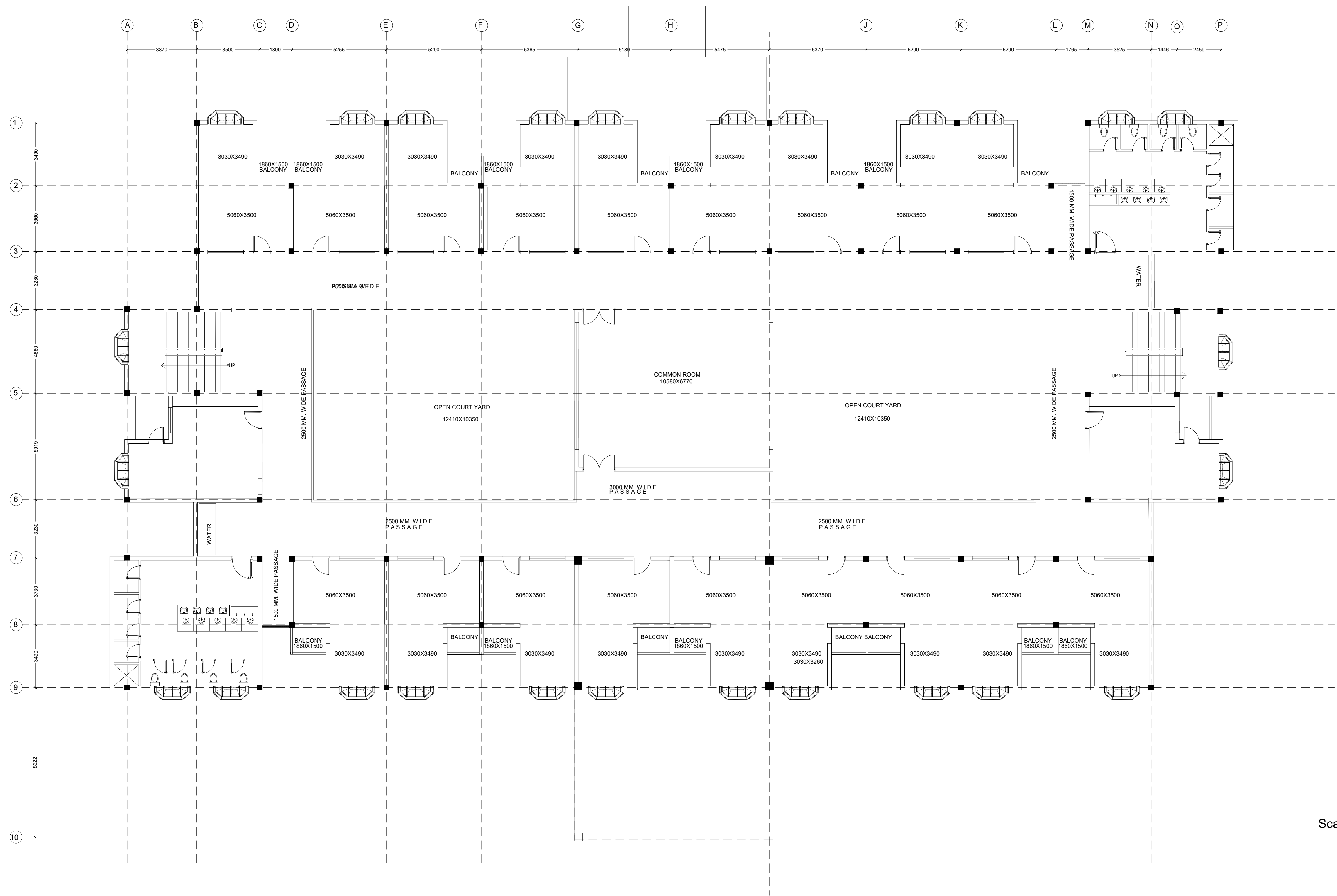
VIKAS

UNI. ROLL NO. : 1150101082

THESIS YEAR - 2019/20

B.B.D.U , L.K.O

GRID PLAN



Scale - 1: 100

FIRST FLOOR PLAN

HOSTEL BLOCK

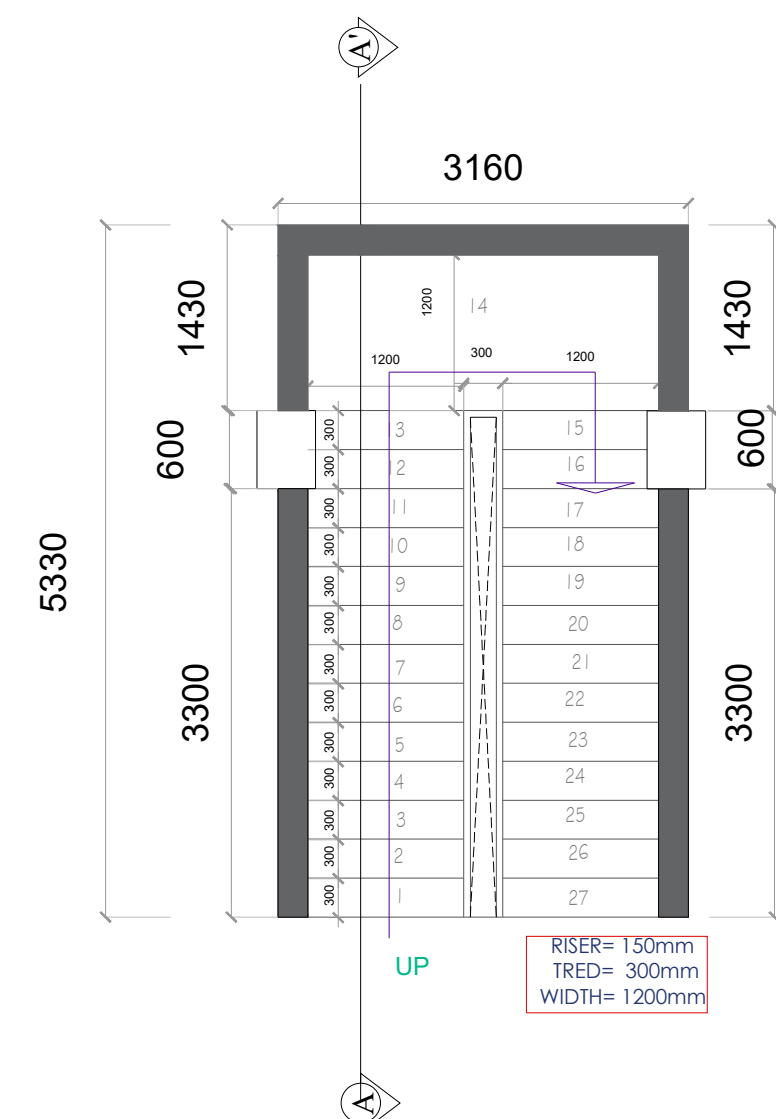
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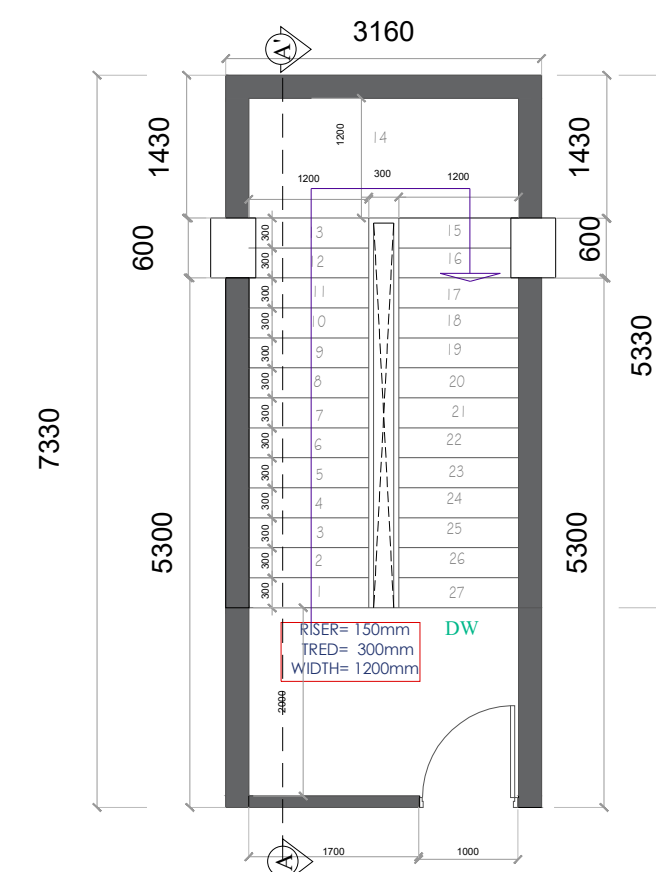
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THESIS YEAR - 2019/20

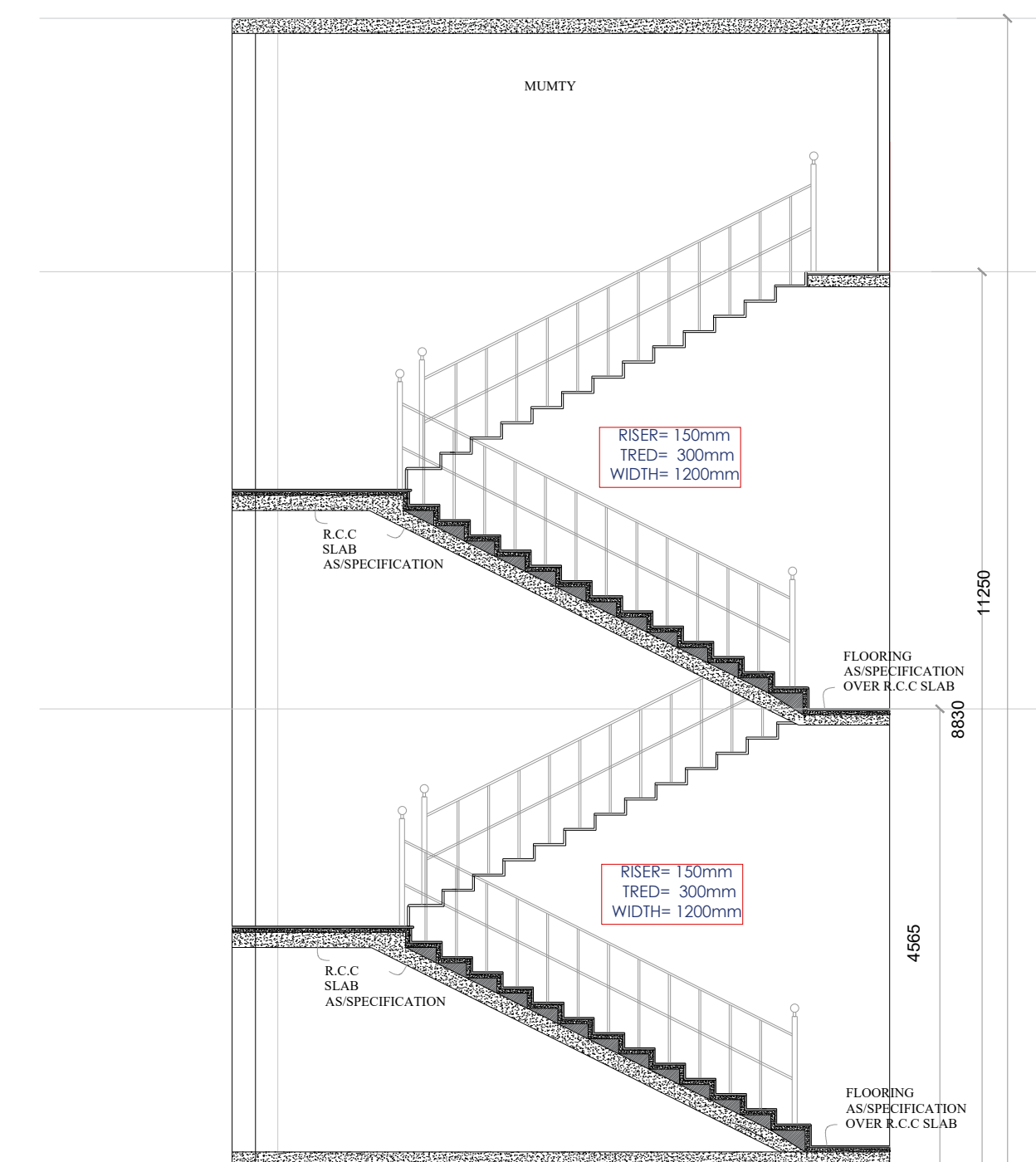
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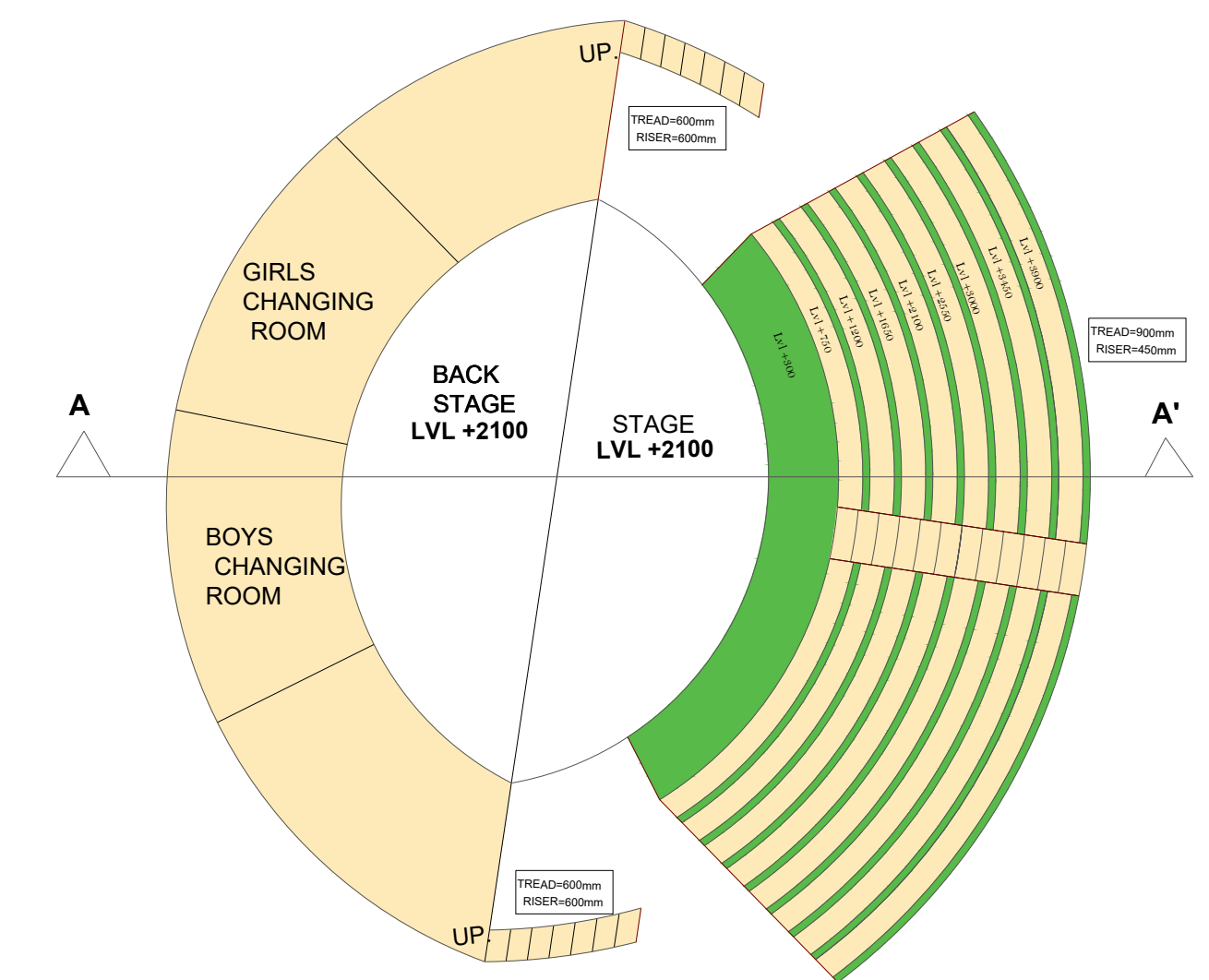
STAIRS PLAN



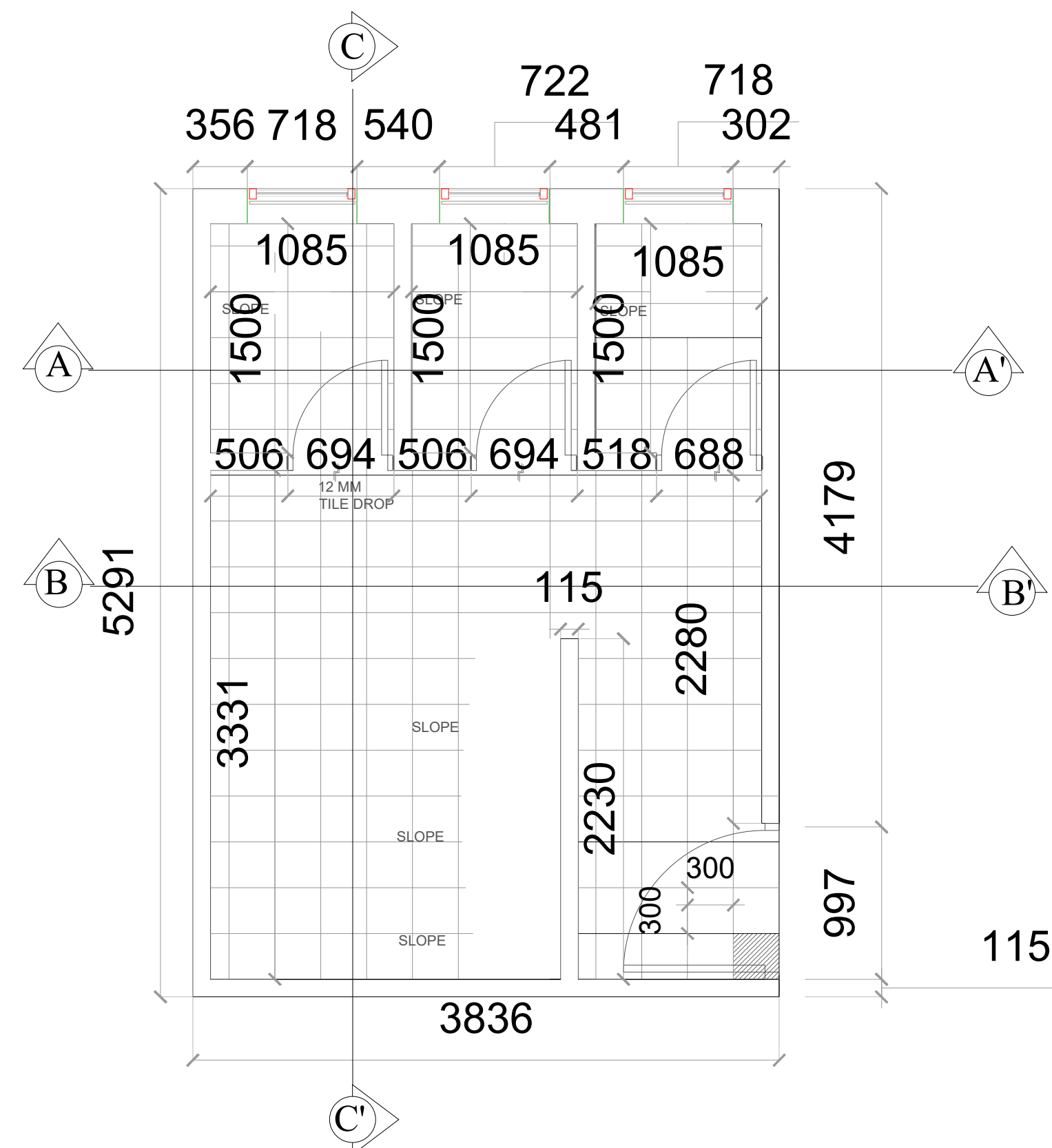
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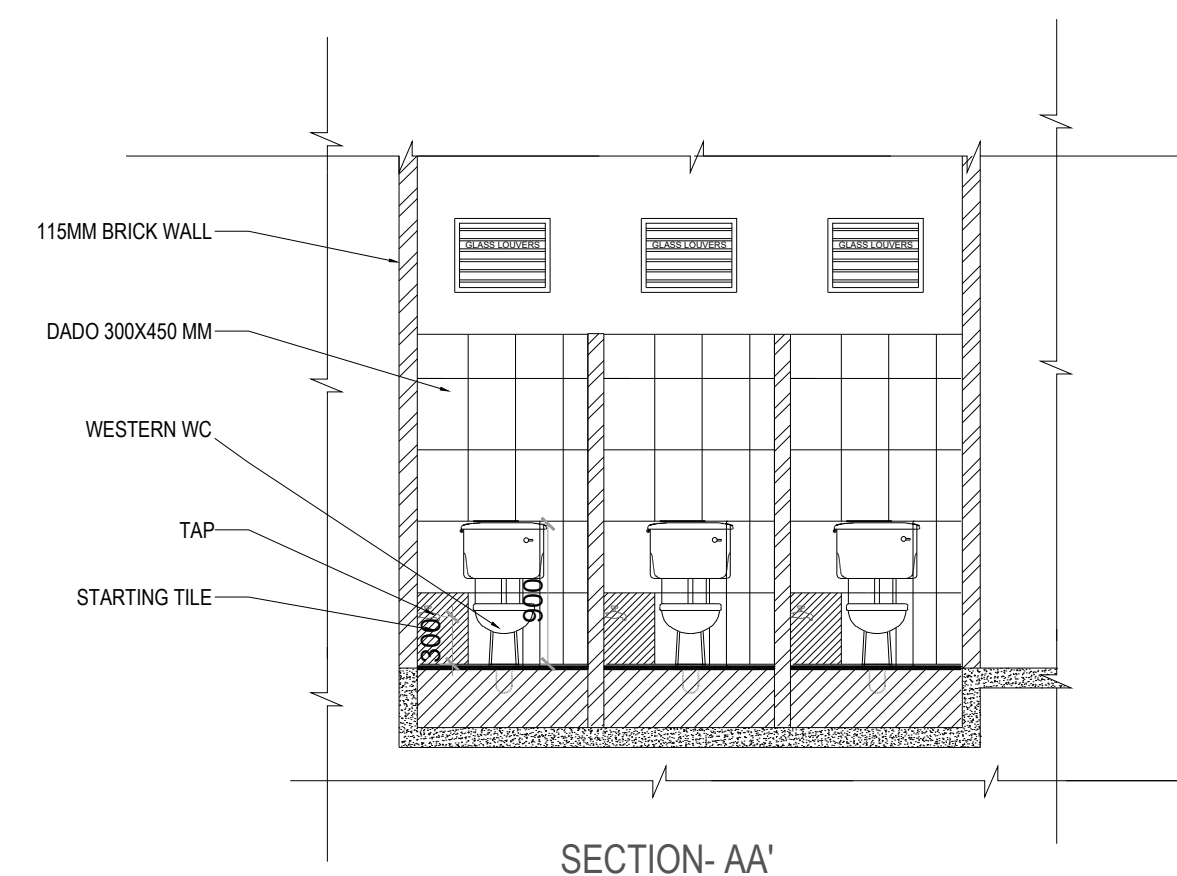
SECTION AT AA'



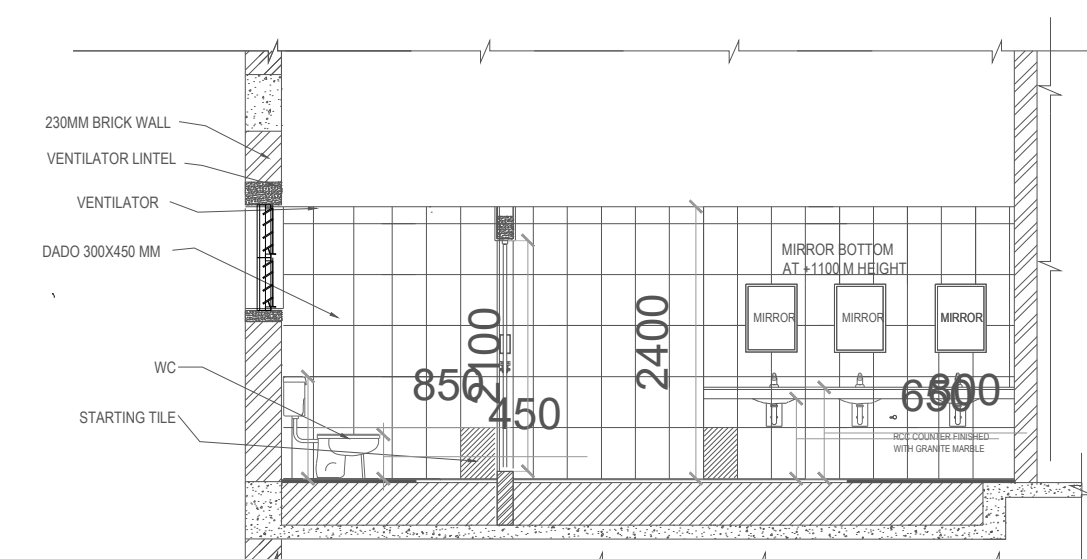
OPEN AIR THEATRE PLAN



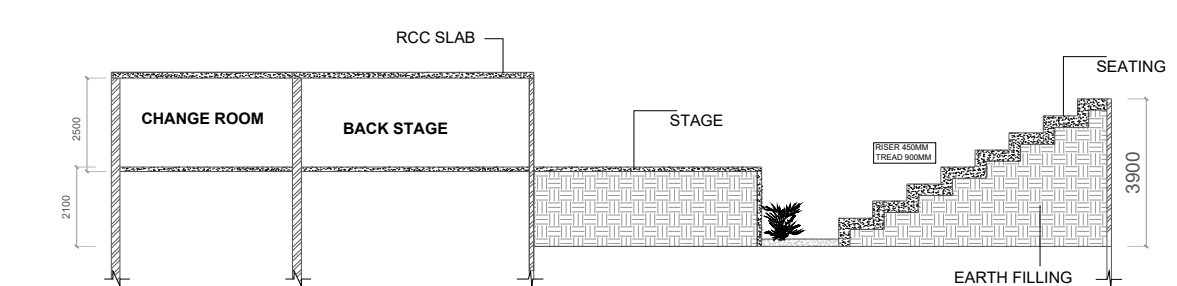
FEMALE TOILET PLAN



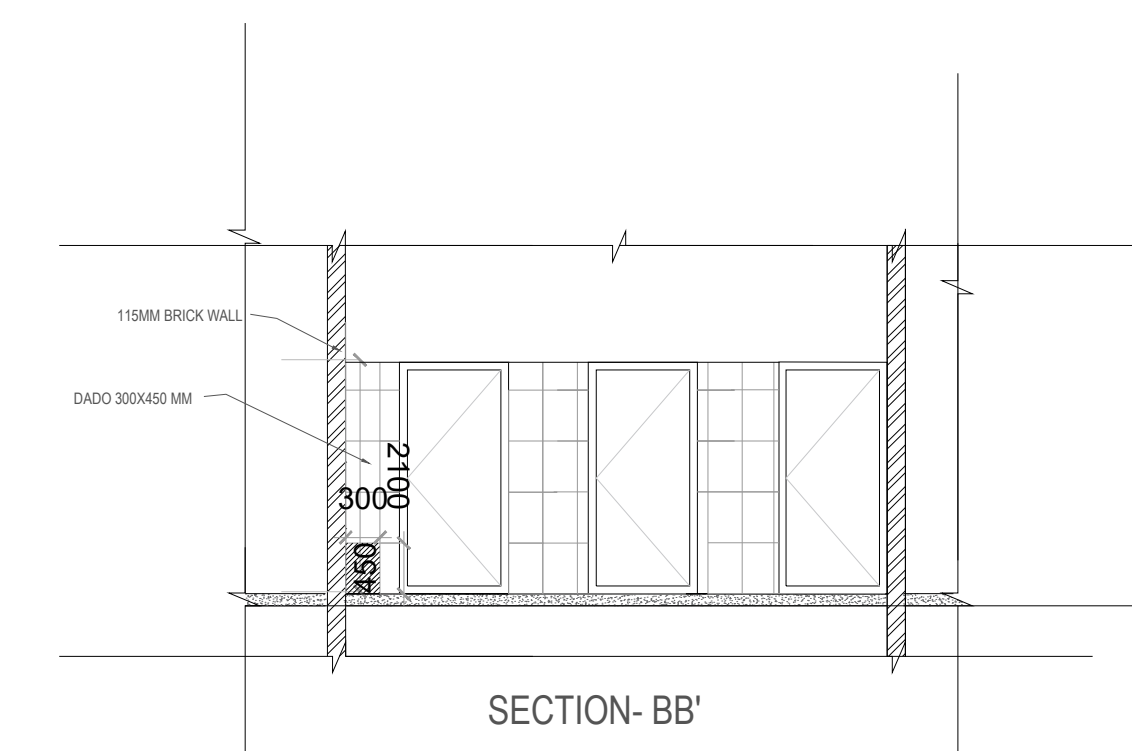
SECTION- AA'



SECTION- CC'



OAT SECTION AT AA



SECTION- BB'

WORKING DRAWING DETAILS

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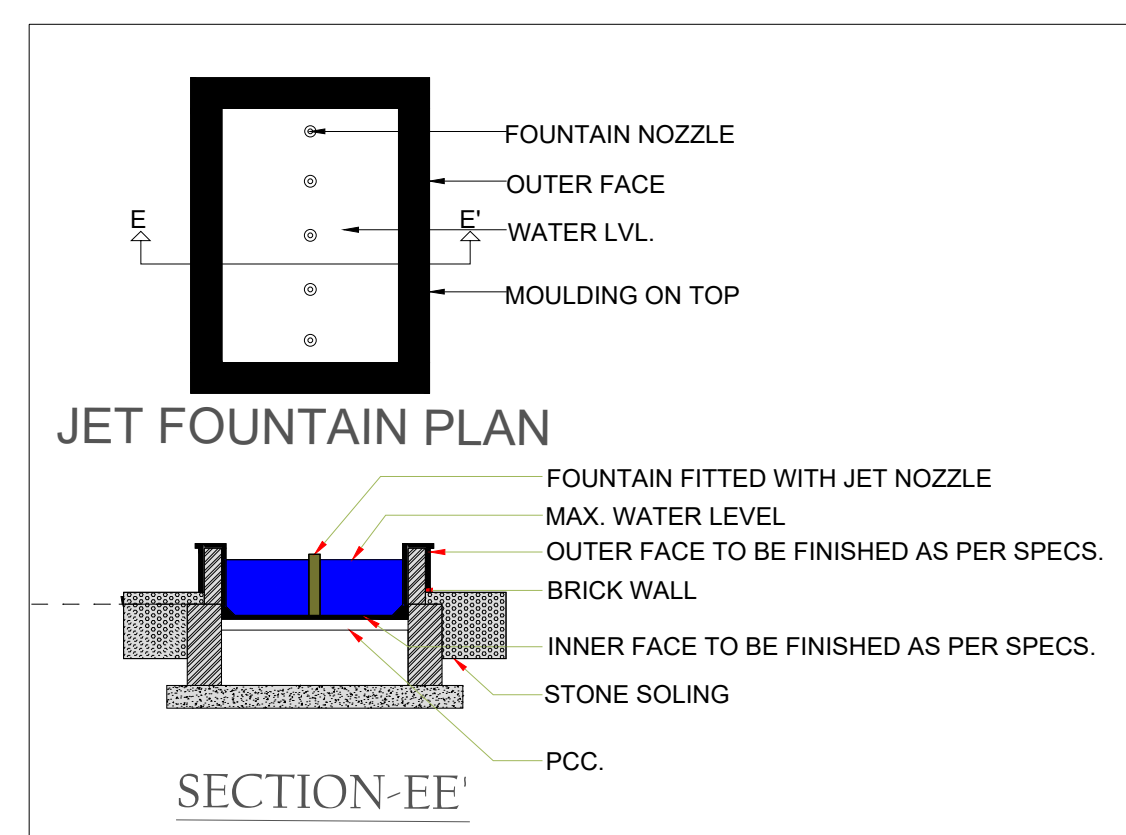
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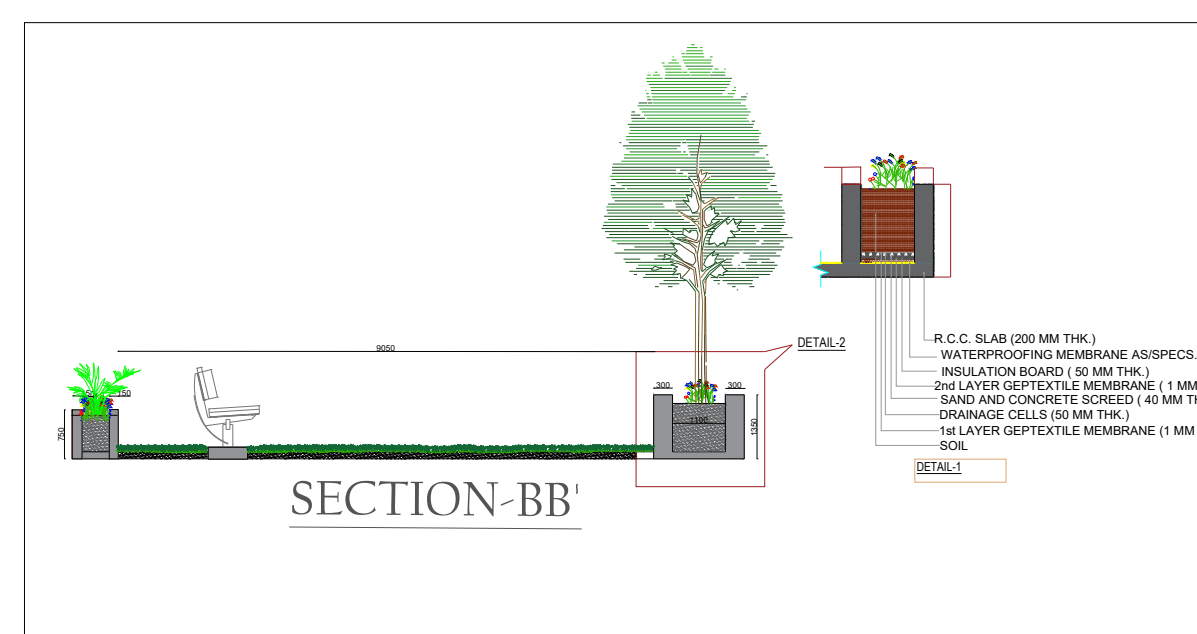
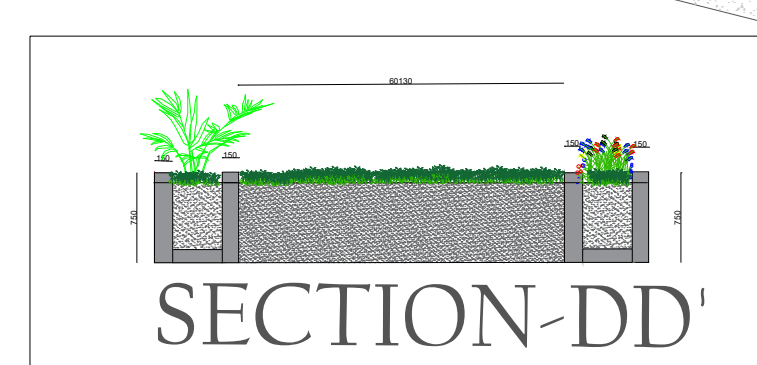
LANDSCAPE



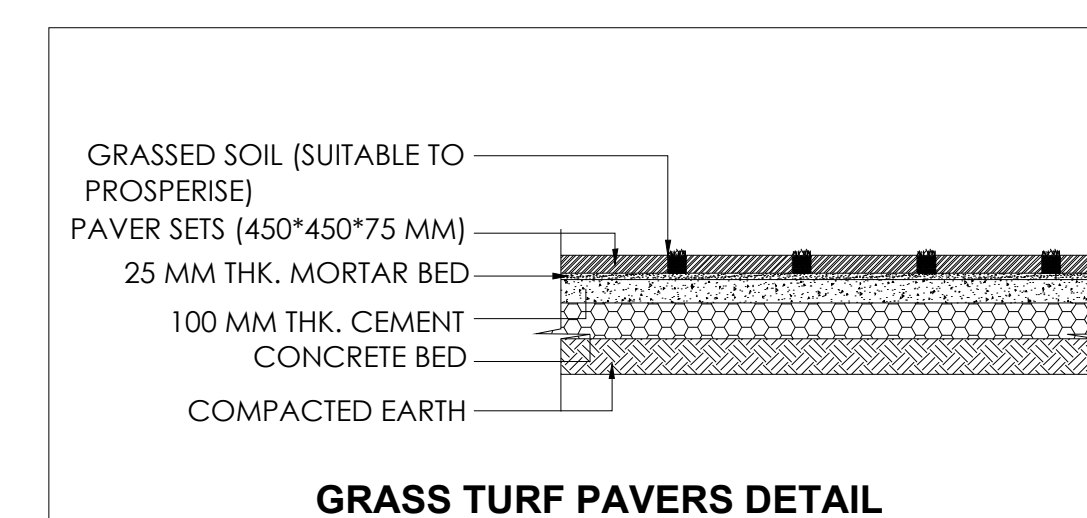
SITE PLAN



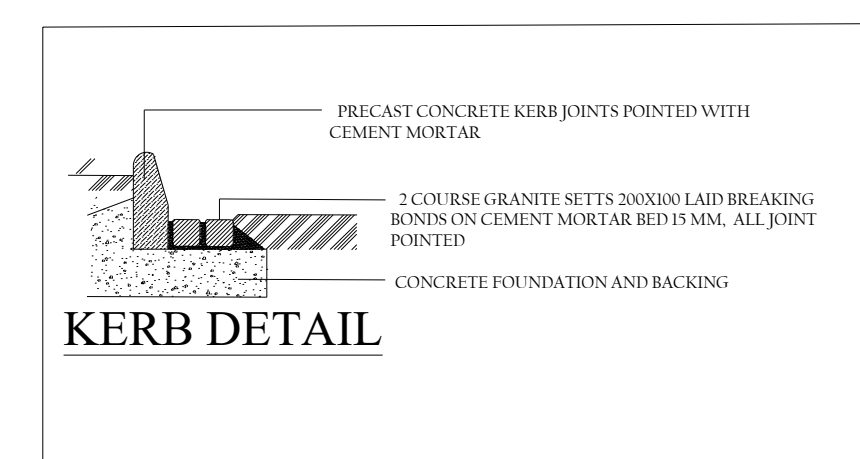
SECTION-DD'










SECTION-BB'

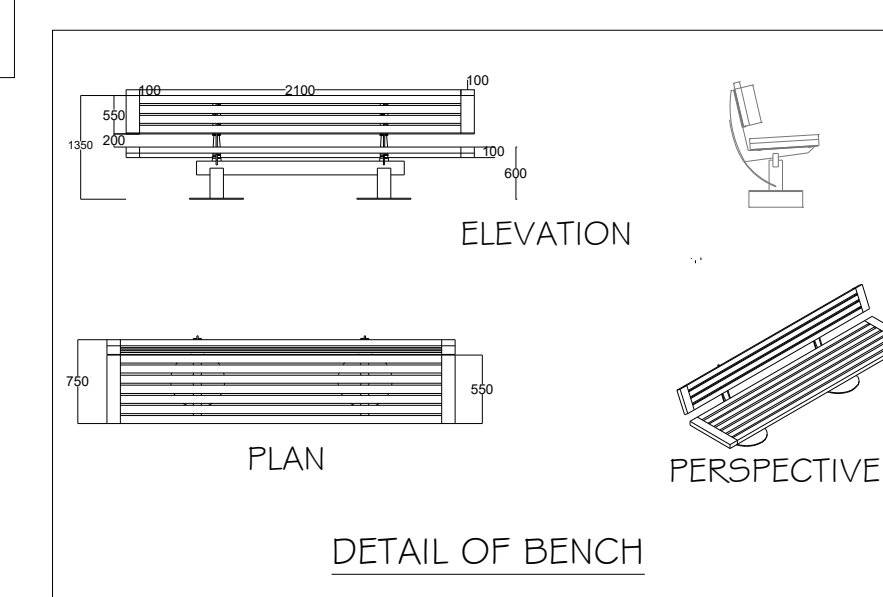


GRASS TURF PAVERS DETAIL

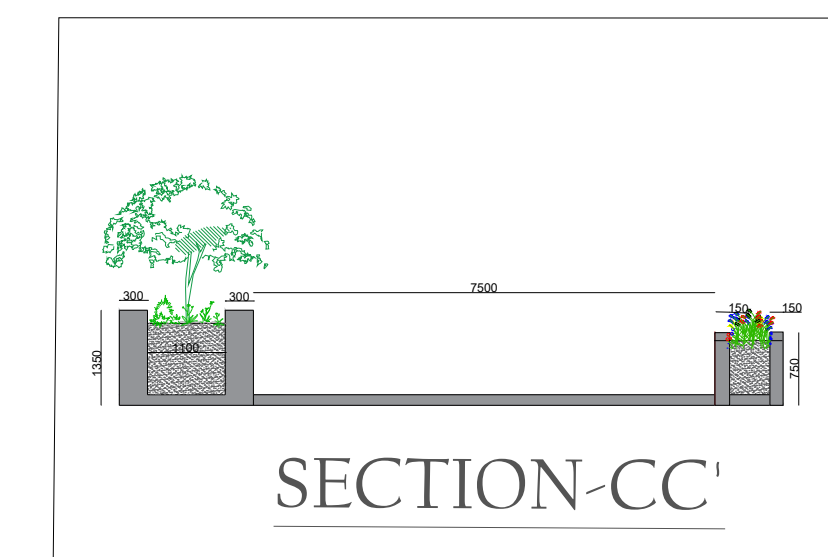


KERB DETAIL

LEGEND	BOTANICAL NAME	COMMON NAME	SPACING(MM)	SPECIFICATION HEIGHT, FOLIAGE
	DELONIX REGIA	GUMMOPHAR	12000'C	8000, 10000
	ALSTONIA SCHOLARS	BLACKBOARD TREE/SCHOLAR TREE (SAPTAPARNI)	10000 'C/C	20000/25000, 8000
	CESTRUM NOCTURNUM	QUEEN OF NIGHTS	7000 'C/C	4000, 2000/3000
	CYCAS REVOLUTA	CYCUS	8000 'C/C	9000
	GOLDEN DURANTA	SKY FLOWER	SPECIFIC PLACE	450/500
	CASSIA NODOSA	PRIN. CASSIA	10000 'C/C	12000, 8000
	IPS		SPECIFIC PLACE	300, DENSE



DETAIL OF BENCH



SECTION-CC'

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