



THESIS REPORT ON  
“MULTIPURPOSE CULTURAL CENTRE, DWARKA, DELHI”

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

**BACHELOR OF ARCHITECTURE**  
BY

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THESIS GUIDE

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

**CERTIFICATE**

I hereby recommend that the thesis entitled “**MULTIPURPOSE CULTURAL CENTRE, DWARKA, DELHI**” under the supervision, is the bonafide work of the students and can be accepted as partial fulfillment of the requirement for the degree of Bachelor’s degree in Architecture, School of Architecture & Planning, BBDU, Lucknow.

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# INTRODUCTION

- Project Brief
- Need of the Project
- Aims and Objectives
- Scope of Work
- Design Requirements
- Design Methodology

## **PROJECT BACKGROUND**

The **Multipurpose Cultural Centre at Dwarka Sector 11, Delhi**, is envisioned as a dynamic hub for cultural, artistic, and social activities. Dwarka, being a fast-growing residential and commercial district, lacks inclusive public spaces that cater to creative and community needs. This centre will address that gap by offering facilities such as performance auditoriums, art galleries, community halls, libraries, and informal gathering areas.

Strategically located and well-connected, the site provides an ideal setting for a space that promotes cultural exchange, local talent, education, and intergenerational dialogue. The project aims to reflect the diverse cultural fabric of Delhi while enhancing community life and offering opportunities for public engagement and cultural preservation.

## **INTRODUCTION & PROPOSITION-**

- **WHY DWARKA, SECTOR 11 ?**

Dwarka Sector 11 is a centrally located, well-connected area within a rapidly developing sub-city of Delhi. It has a diverse and growing population but lacks adequate cultural infrastructure. The site's proximity to educational institutions, metro access, and community hubs makes it ideal for a Multipurpose Cultural Centre that can foster cultural engagement, local talent, and community interaction.

- **PROJECT BRIEF**

**TITLE:** Multipurpose Cultural Centre

**LOCATION:** Dwarka, Sector 11, Delhi

**SITE AREA:** 24.9 Acres

- **Landuse:** \_The site comes under two land uses.10 Acres under recreational. The DDA has planned to make a cultural centre there.14.9 Acres under the mandatory greens along the canal.
- **Permissible FAR:** 1.2
- **Ground Coverage:** 30%
- **Building Height:** 18m
- **Setbacks:** \_Front – 15m , Sides – 12m
- **Parking:** 2ECS/100 sqm of floor area,

**ACCESSIBILITY:** Directly accessible from MALL ROAD and Road No. 221

## IMMEDIATE SURROUNDINGS:

- Dwarka Sports Complex
- Najafgarh Canal
- Vacant Plot- Institutional and Commercial
- Housing Societies- Ashoka Enclave, Shahjahanabad Society, etc.
- M.B.S. International School, Sector-11, Gurudwara and Mosque

### • **NEED OF THE PROJECT**

There is a growing demand for inclusive cultural infrastructure in urban areas like Dwarka, Delhi. Despite being a well-planned and rapidly developing sub-city, Dwarka lacks dedicated public spaces for art, culture, and community interaction. The Multipurpose Cultural Centre aims to fill this gap by providing a platform for cultural exchange, artistic expression, local talent development, and social cohesion.

It will serve as a vital space for performances, exhibitions, learning, and community events—promoting cultural awareness, creative education, and civic engagement, especially among youth and underrepresented groups.

### • **AIMS AND OBJECTIVES**

#### AIMS:

- To promote cultural awareness and appreciation** among the local community through diverse art, music, theatre, and literary events.
- To provide a platform for local artists and performers** to showcase their talent and engage with the public.
- To create an inclusive, accessible space** for people of all ages, backgrounds, and abilities to gather, learn, and participate in cultural activities.
- To support creative education and lifelong learning** through workshops, exhibitions, and interactive programs.
- To foster community engagement and social interaction** by offering spaces for public dialogue, festivals, and collaborative events.
- To preserve and reflect the cultural diversity of Delhi**, incorporating both traditional and contemporary art forms.

## OBJECTIVES:

1. **To develop a multifunctional facility** that includes performance spaces, exhibition halls, community rooms, libraries, and informal gathering areas.
2. **To design a space that is flexible and adaptive**, capable of hosting a wide range of cultural, educational, and social events.
3. **To ensure universal accessibility** by creating inclusive environments for people of all age groups and abilities.
4. **To integrate sustainable and climate-responsive design strategies** suitable for Delhi's climate and urban context.
5. **To encourage collaboration between artists, institutions, and the community** by providing shared spaces and programs.
6. **To stimulate local economic and cultural growth** through tourism, workshops, fairs, and public participation.
7. **To preserve intangible cultural heritage** by hosting events, performances, and exhibitions rooted in local traditions and contemporary practices.

## • SCOPE OF WORK:

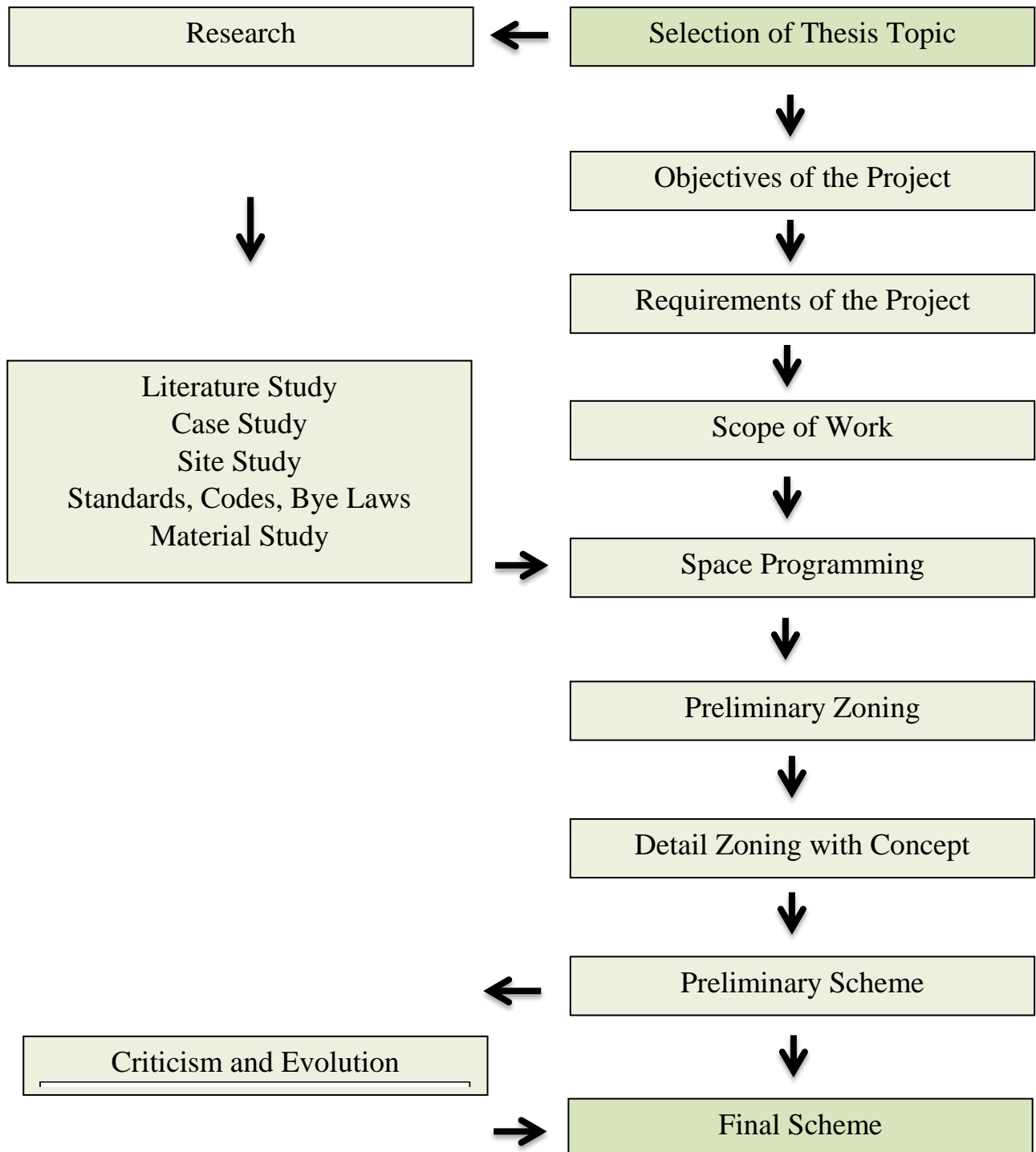
The project involves the planning, design, and development of a multifunctional cultural centre, including performance halls, exhibition spaces, learning areas, and community zones. It covers architectural, structural, and MEP services, along with sustainable design, universal accessibility, and landscape development. The scope also includes interior design, outdoor public spaces, and provisions for cultural programming and community engagement, ensuring a fully integrated, inclusive, and responsive facility.

## • REQUIREMENTS:

1. Administrative Block
2. Library
3. Centre for Visual Arts
4. Centre for Performing Arts
5. Exhibition Gallery
6. Convention Centre
7. Auditorium
8. Residential Spaces
9. Office Space



- **DESIGN METHODOLOGY**



# RESEARCH

- Definition
- Importance of Cultural Centres
- Relevance of Dwarka Sector 11
- Current Trends in Design

- **WHAT IS A MULTIPURPOSE CULTURAL CENTRE (MPCC)?**

A **Multipurpose Cultural Centre** is a community-oriented space designed to accommodate a range of cultural, artistic, educational, and social activities under one roof. It typically includes:

- Auditoriums and performance spaces
- Exhibition galleries
- Libraries and learning spaces
- Community halls and seminar rooms
- Studios/workshops for arts and crafts
- Outdoor gathering and performance zones

It supports local culture, fosters creativity, encourages community participation, and acts as a hub for public engagement.

- **IMPORTANCE OF CULTURAL CENTRES IN URBAN AREAS:**

- Promote **social interaction** in dense urban settings
- Act as platforms for **cultural exchange** and **heritage preservation**
- Encourage **local talent** and **creative economies**
- Offer inclusive access to **education, art, and leisure**
- Strengthen **urban identity** and **community resilience**

- **RELEVANCE OF DWARKA SECTOR 11, DELHI:**

- **Dwarka** is a major planned sub-city in Delhi with rapid urban growth
- Sector 11 is centrally located and well-connected by **metro and road**
- The area **lacks dedicated cultural infrastructure** despite its population density
- Presence of **schools, colleges, and housing societies** make it ideal for a community-based cultural centre
- There's strong potential for **public participation** and **urban cultural revival**



- **CURRENT TRENDS IN CULTURAL CENTRE DESIGN**

- **Adaptive reuse** and sustainable materials
- **Community participation** in planning and programming
- **Flexible-use architecture** that supports various events
- **Digitally integrated spaces** for hybrid cultural experiences
- **Contextual design** that reflects local history and identity



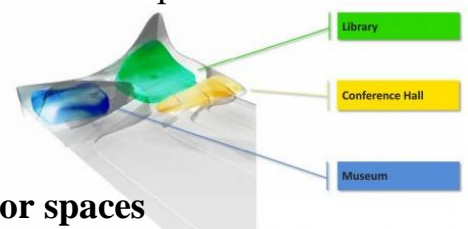
## LITERATURE & CASE STUDIES

- Heydar Aliyev Centre
- Lewis Arts Complex
- India Habitat Centre
- Jawahar Kala Kendra

- **ALIYEV HEYDAR CENTRE, BAKU, AZERBAIJAN:**

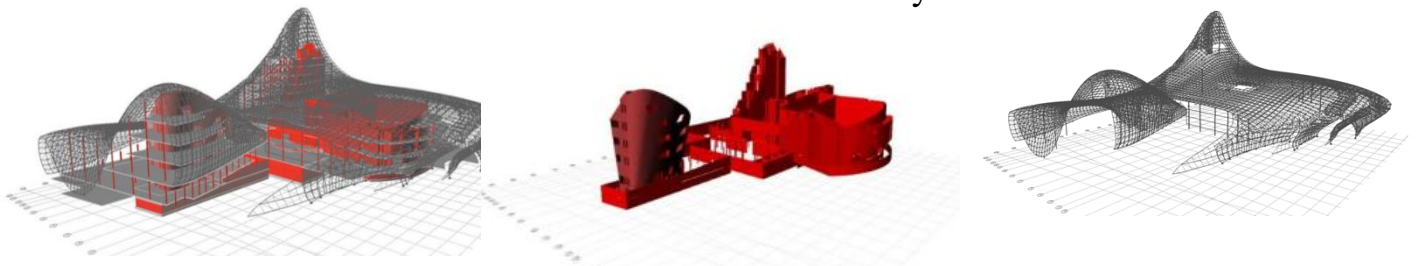
#### INTRODUCTION:

- The design creates a **seamless connection** between the plaza and the building's interior.
- The **plaza extends into an open interior**, integrating public and cultural spaces.
- Spaces inside celebrate both **traditional and contemporary Azeri culture**.
- The **dynamic form** features undulations, folds, and bifurcations to guide and engage visitors.
- The design **encourages movement** across multiple levels and functions.
- The structure **blurs boundaries** between architecture and urban space.
- **Interior and exterior spaces** merge fluidly, making it an inclusive part of Baku's urban fabric.



#### DESIGN CONCEPT:

- Seamless connection between **exterior plaza** and **interior spaces**
- Open interior unifies **functional areas** for cultural events
- Celebrates both **contemporary and traditional Azeri culture**
- **Dynamic design** with curves, folds, and levels enhances movement and interaction
- Architecture and urban space are **visually and spatially integrated**
- The structure **blurs boundaries** between interior and exterior
- Acts as an **inclusive urban landmark** within Baku's city fabric

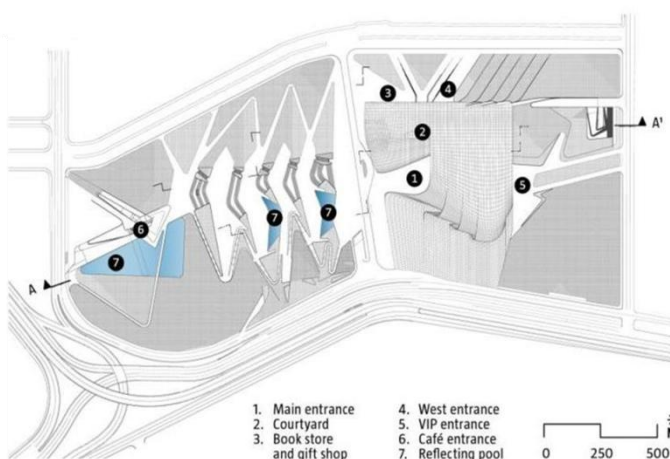


#### LOCATION OF HEYDAR ALIYEV CENTER:

- **City:** Baku
- **Country:** Azerbaijan
- **Continent:** Asia (Caucasus region)
- **Geographic Context:**
  - o Situated on the **western shore of the Caspian Sea**
  - o Located in a **rapidly urbanizing part of Baku**, surrounded by mixed-use developments
  - o Easily accessible from the city's main roadways and airport
- **Urban Setting:**
  - o Positioned as a **cultural landmark** within the modern urban fabric of Baku
  - o The site's openness allows for **360° visual prominence** and urban interaction
  - o Contrasts with the city's Soviet-era grid planning and architecture

## FACILITIES AT HEYDAR ALIYEV CENTER:

- **Auditorium**
  - State-of-the-art performance space for concerts, conferences, and cultural events
  - Accommodates large audiences with advanced acoustics and stage technology
- **Museum / Exhibition Halls**
  - Rotating and permanent exhibitions showcasing **Azeri history, culture, and contemporary art**
  - Interactive and multimedia displays
- **Art Galleries**
  - Spaces dedicated to **modern and traditional art**, sculptures, and design works
- **Library / Resource Center**
  - Includes cultural archives, books, and digital resources
  - Designed for public learning and research
- **Conference and Seminar Rooms**
  - Spaces for **workshops, academic meetings, and public lectures**
- **Café and Gift Shop**
  - Public amenities offering refreshments and cultural souvenirs
- **Landscaped Plaza / Courtyard**
  - Open-air gathering space that flows into the building
  - Used for **public interaction, events, and leisure**
- **Accessibility Features**
  - Universal design approach ensures inclusivity for all visitors
- **Parking and Service Areas**
  - Visitor and staff parking provided on-site



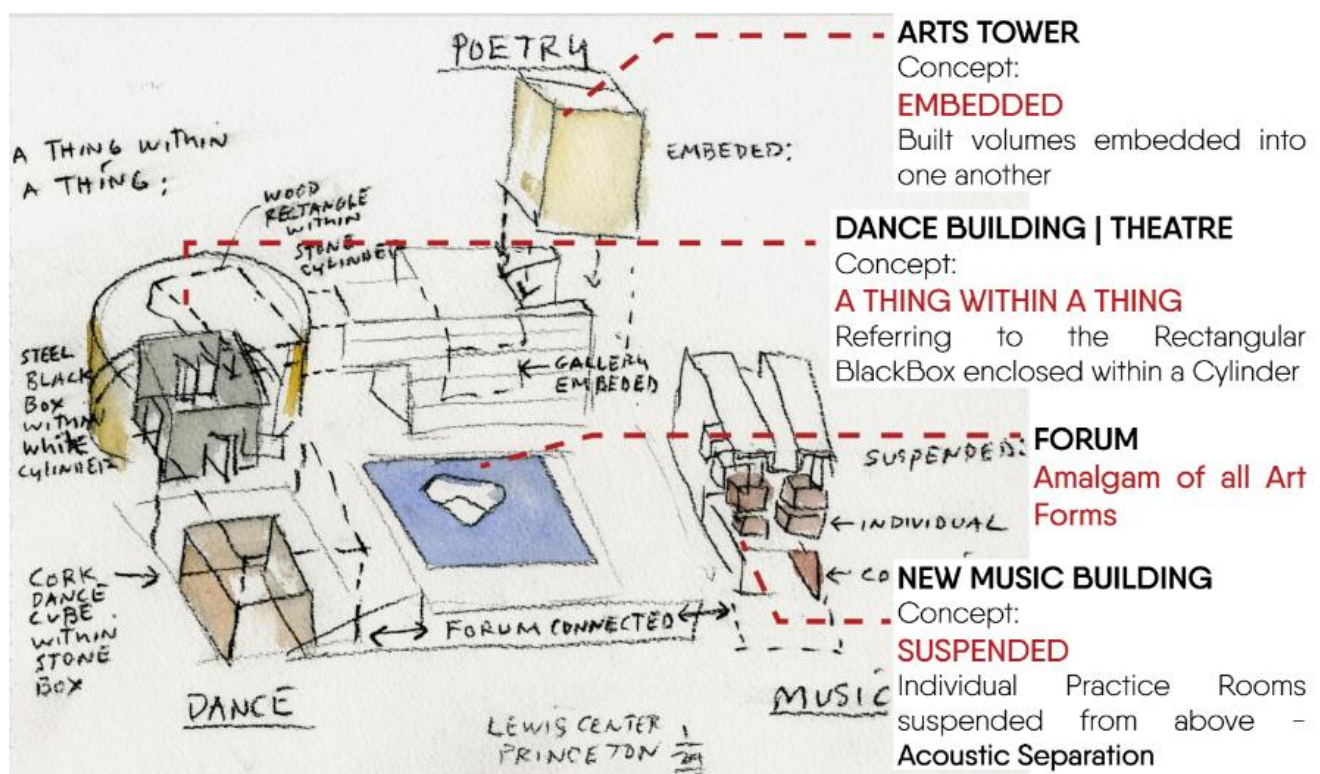
## • LEWIS ARTS COMPLEX

### INTRODUCTION:

- **Purpose:** Expands performance, rehearsal, and teaching spaces for the arts.
- **Design:** Created by Steven Holl Architects in collaboration with BNIM.
- **Integrated Departments:** Houses Dance, Theatre, and Music programs of the Lewis Center for the Arts.
- **Campus Gateway:** Acts as a new entrance to the Princeton campus.
- **Spatial Strategy:** Emphasizes openness and movement, ensuring high porosity across the site.
- **Impact:** Enhances the university's commitment to interdisciplinary arts education.

### LOCATION:

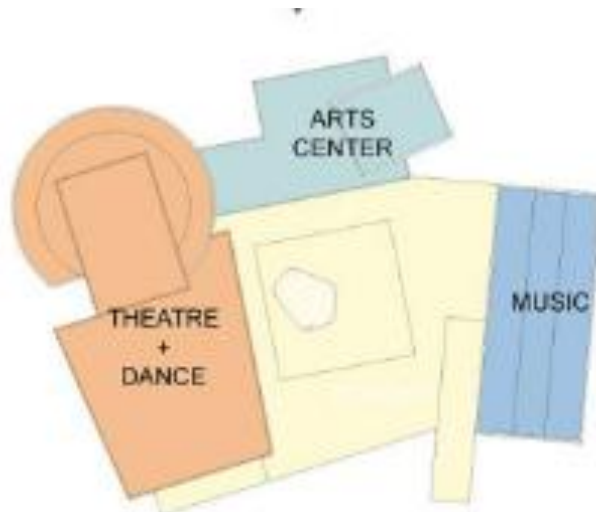
- University: **Princeton University**
- City: Princeton
- State: New Jersey
- Country: United States
- **Campus Placement:** Located at the southwest edge of Princeton's campus
- **Site Significance:**
  - Acts as a **gateway to the campus**
  - Strategically positioned to **connect the town and university**
  - Accessible from **Alexander Street**, close to the Princeton train station





## FEATURES:

- **Buildings & spaces**
  - **Wallace Dance Building and Theatre**
    - Rehearsal and performance spaces for dance and theatre
  - **Arts Tower**
    - Contains **Hurley Gallery, administrative offices, and studios**
  - **New Music Building**
    - Practice rooms, classrooms, and music research facilities
- **The Forum (Underground)**
  - **8,000 sq. ft. open indoor gathering space**
  - Links all three buildings underground
  - Used for events, exhibitions, and student interaction
- **Outdoor Plaza**
  - Includes a **reflecting pool** above the Forum
  - **Skylights** in the pool bring natural light underground
- **Architectural Design**
  - Designed by **Steven Holl Architects**
  - Emphasizes **transparency, connection, and movement**
  - Integration of interior and exterior spaces
- **Art and Academic Integration**
  - Supports programs in **Dance, Music, Theatre, Visual Arts, and Creative Writing**
  - Houses the **Princeton Atelier**, for student-artist collaborations
- **Campus Connectivity**
  - Serves as a **gateway to the campus**
  - High **porosity and pedestrian flow** integrated with surrounding pathways



## ANALYSIS:

### – THE FUNCTIONS BECOME MORE PRIVATE WITH FLOOR LEVELS

In the case of vertical stacking of functions, there can be a gradual shift from public to private with increase in level

### – PERFORMANCE THEATRES GENERATE VOLUMES WITH DIFFERENT HEIGHTS

Accommodation of studios & other spaces adjacent to the double (or triple) height space

### – SIMILAR FUNCTIONS ARE GROUPED TOGETHER, BOTH VERTICALLY & WITHIN A FLOOR

Avoiding the interference between distinct art forms in terms of segregated backstage, performance areas, studio zones & office zones

#### DANCE BUILDING

##### MATERIALS

Foamed Aluminium | White-washed wood | Board-formed concrete  
Okalux is a milky-white glass which is highly insulated.

##### DESIGN ELEMENT

Dancing Stair

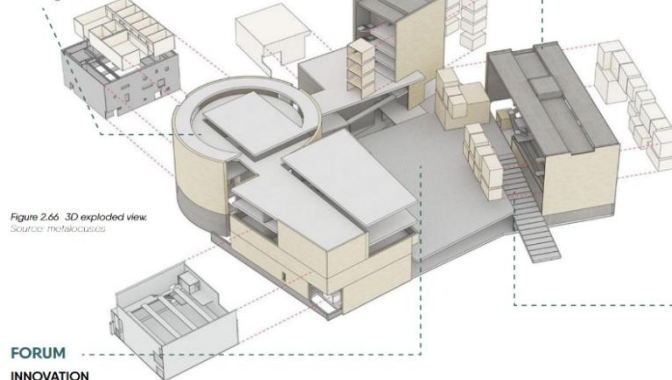


Figure 2.66 3D exploded view  
Source: mofacoccus

#### FORUM

##### INNOVATION

The Forum is roofed by an Outdoor Plaza & a Reflecting Pool with skylights.  
The design allows views which overlook practice spaces & the rehearsal room, encouraging a connection between 'the local community and the university'.

##### MATERIALS

#### NEW MUSIC BUILDING

##### INNOVATION

Concept of 'suspension': Above the large orchestral rehearsal room, music practice rooms are individually suspended on steel rods. This lends a high degree of acoustic separation to these chambers

##### MATERIALS

Wooden Chambers (Tongue & Groove joint) | Steel suspension rods | Transparent Glass as skin.

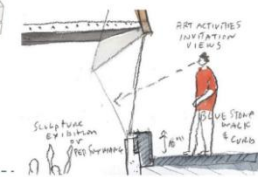
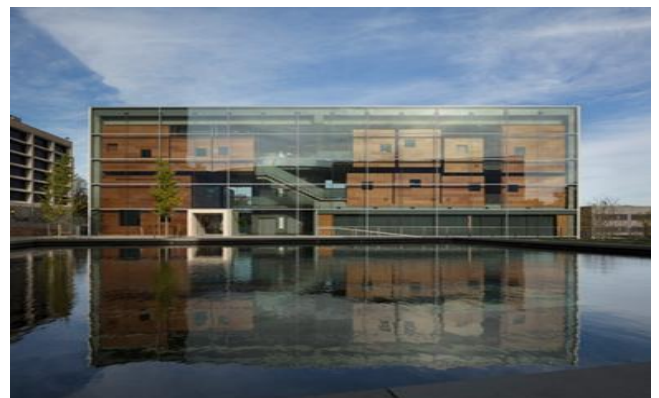


Figure 2.67 Invitation views from outside. Source: mofacoccus

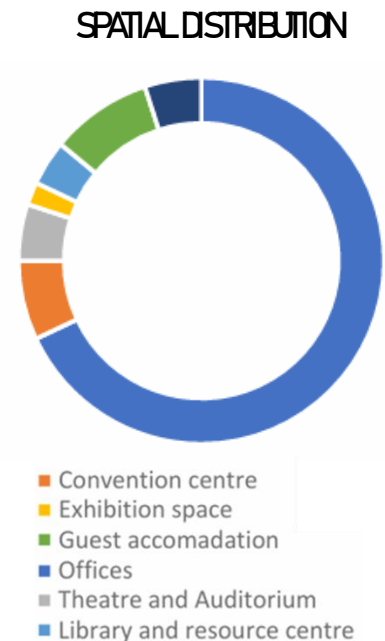
Overlook views into the dance and theatre practice spaces and the orchestral rehearsal space are aimed at provoking curiosity and interaction. As an open public invitation they bring arts activity to all pedestrian movement.



- **INDIA HABITAT CENTRE**

#### INTRODUCTION:

- Design: **Joseph Allen Stein.**
- Site Area: **9.6 Acres (38850 sq.m)**
- Ground Coverage: **25% (9609 sq.m)**
- Gross floor area - **53,241.7 sq.m**
- F.A.R. Achieved: **1.4 Out Of 2.5**
- Parking: **2 Level Basement**
- Area of basement- **36,988.9 (P1= 18,152.6, P2= 18,836)**



#### CONNECTIVITY

- **Location:** The site is located in one of Delhi's most desirable areas and is conveniently accessible by most kinds of transportation.
- The Safdarjung Airport is a private airport.
- **Roads:** Sri Aurobindo Marg, which connects South Delhi to the Rajpath; Lodhi Road, which connects Sajdarjung and Humayun's Tomb; and the Barapullah, which connects West and East Delhi.
- **Metro rail:** Jor Bagh Yellow line station and JLN Stadium Violet line station.
- **Railway:** Lodhi Colony, Sewa Nagar, and Lajpat Nagar stations are all close by.

#### BUILDING PROGRAMME

- 40,000 SQ M of office accommodation
- Conference rooms with a total capacity of 1000 in various configurations holding 30 to 450 people
- 60 guest rooms, 5 suites, 5 service apartments
- Conference rooms, cafeteria, restaurants and private dining rooms can handle around 1500 people at a time
- 700 SQ M of exhibition space
- 420 capacity auditorium, 250 capacity amphitheater
- Parking for 933 cars and 2000 two-wheelers
- 25% of the total area goes into landscaped courts



## AREA STATEMENT

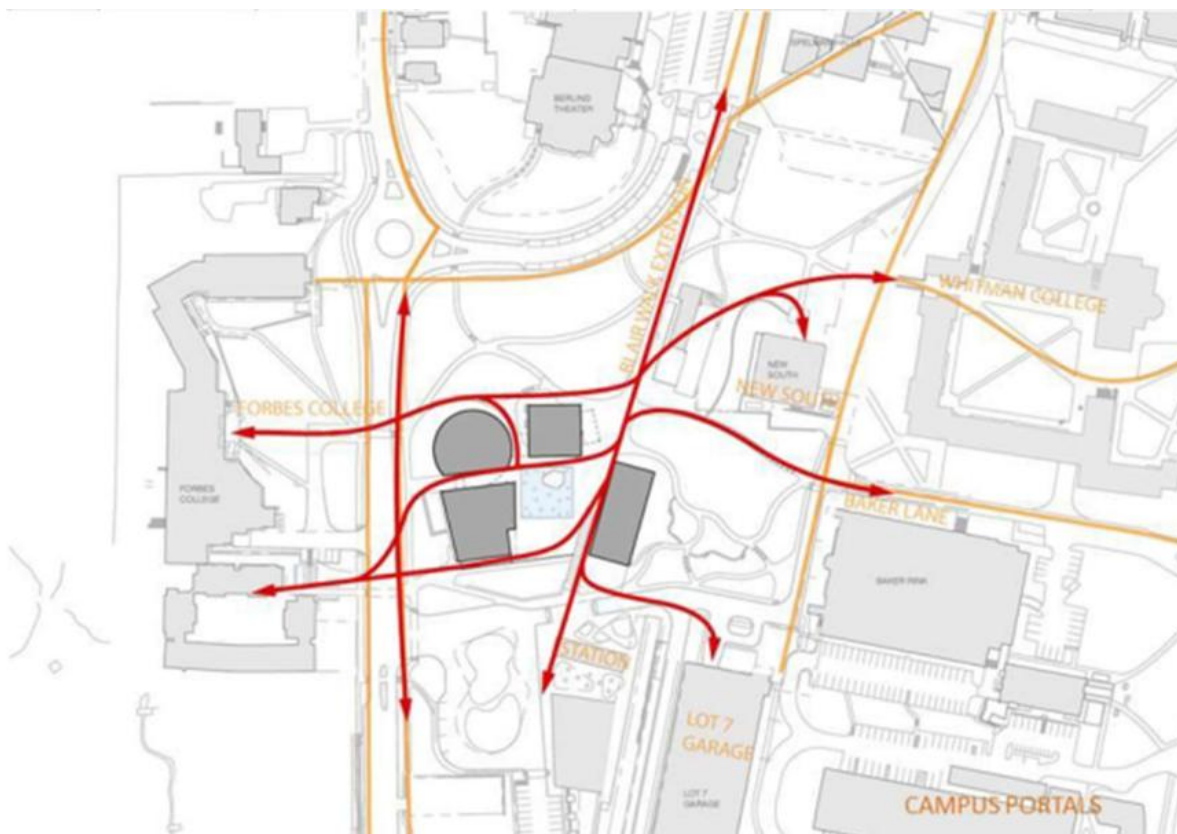
Area	Capacity	Area (in m2)
<b>AUDITORIUM BLOCK</b>		
Auditorium	537	558
Audi dome	350	385
Basement theatre		194
a) Mahagony	25	
b) Kadamba	30	
c) Rudraksha	30	
d) Amaltas	120	
<b>FUNCTION ROOM BLOCK</b>		
Magnolia	100	128
Casuarinas	60	127
Silver oak 1	100	120
Silver oak 2	70	73
The silver oak room (1+2) + foyer + patio		465
Silver oak lawn		554
15 + 16		1020
Chinar	25	28
Willow	50	52
Gulmohar	120	245
Jacaranda (1+2) + foyer		338
Mahogany	25	40
<b>THE EXHIBITION HALL</b>		325
THE EXHIBITION COURT	150	191
HABITAT VISUAL ART GALLERY	350	

<b>OUTDOOR VENUES</b>		
THE AMPHI THEATRE	300	27
MARGOSA LAWN	160	468
SILK COTTON GARDEN	85	243
EMERALD GARDEN	80	252
CASCADE COURT		1132
PALM COURT		1455
THE HUB	650	
THE PLAZA	450	360

## LANDSCAPING

- **Distinct Identity:** Each courtyard is designed for specific activities.
- **Design Elements:** Unique paving, water features, varying levels, and greenery.
- **Vegetation:** Palm trees for a refreshing environment.
- **Aesthetic Features:** Sculptures for visual interest, water ponds to soften rigidity.
- **Seating:** Stepped planters double as seating areas.
- **Roof Gardens:** Terraced roof converted into green spaces.
- **External Spaces:** Formal design as a foreground for the building.
- **Facades:** Window boxes with plants soften surfaces.

## POROSITY OF MASSING



- **JAWAHAR KALA KENDRA**

## INTRODUCTION

- It is a multi-arts center located in the city of Jaipur, India. It was built by the Government of Rajasthan to preserve Rajasthani arts and crafts.
- The center has eight blocks housing museums, an amphitheater, a closed auditorium, a library, art display rooms, a cafeteria, a small hostel, and an art studio. It also houses two permanent art galleries and three others, and it hosts its yearly theatre festival.
- **Design:** Charles Correa
- **Site Area:** 9 Acres
- Jaipur, known as the "Pink City," features a unique grid-patterned architecture with gates marking cardinal directions, reflecting a blend of Rajasthani and Mughal styles, and was designed as a planned city by Maharaja Sawai Jai Singh.

## CLIMATE

**Climate:** Semi-arid climate

**Temperature:** Summer avg. temp- 35 °C (40-45 °C in May and June)

**Rainfall:** Avg. Annual Rainfall - 500 mm ~ 20 inch in June end to September.

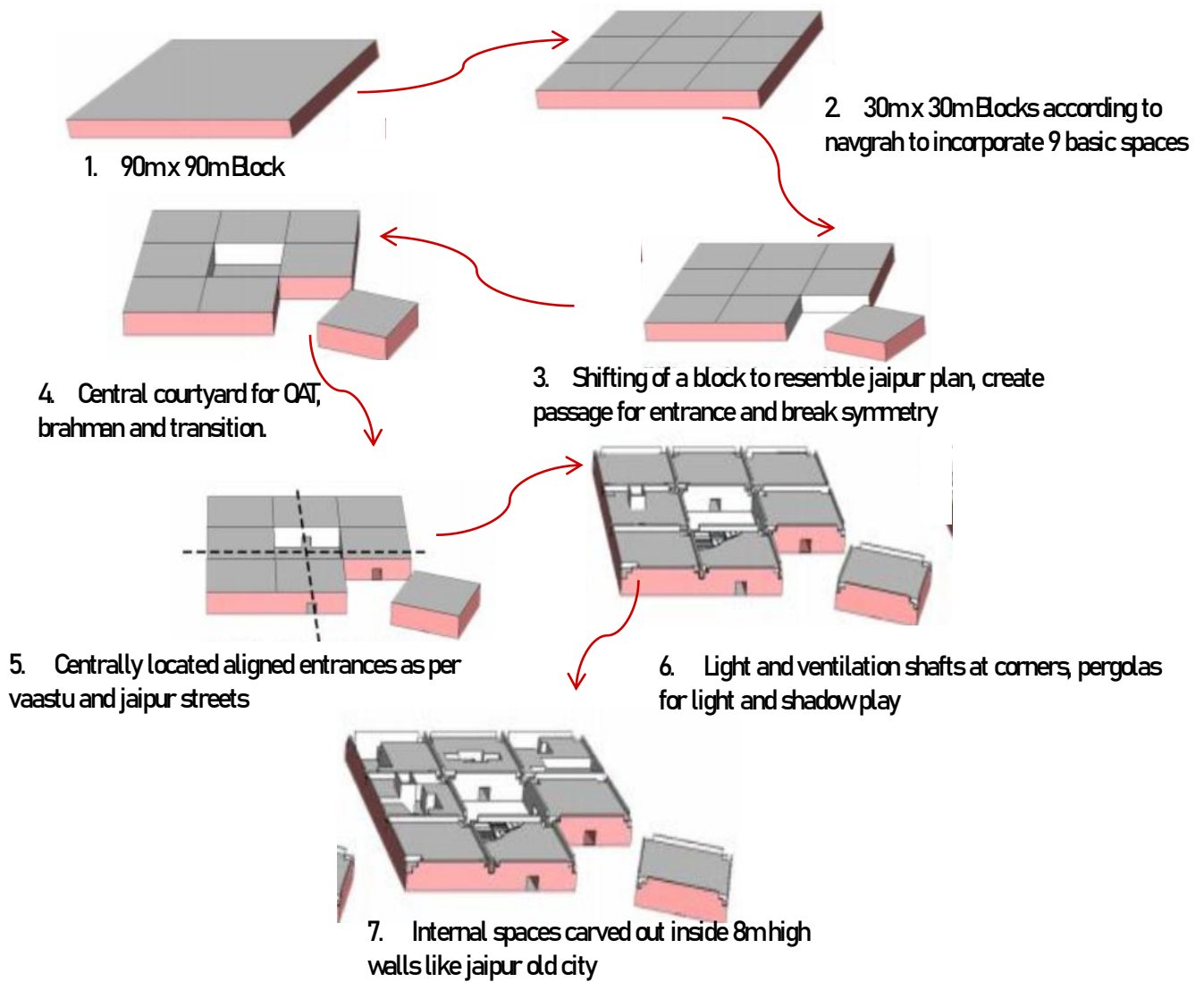
**Wind Direction:** Northeast to Southwest

## FEATURES

- **Location:** Jaipur, India
- **Type:** Multi-arts and cultural centre
- **Purpose:** Established by the Government to promote **India's cultural, spiritual, and craft heritage**
- **Architectural Concept:**
  - **Inspired by traditional Hindu architecture**
  - Layout based on **Mandalas** (self-similar squares) from **Vedic Shastras**
  - Represents the **cosmos** and its relationship with humanity
- **Spiritual Foundation:**
  - Built on the concept of **Vastupurusha Mandala** (cosmic man)
  - Uses ancient design principles in **urban planning, public buildings, and residences**

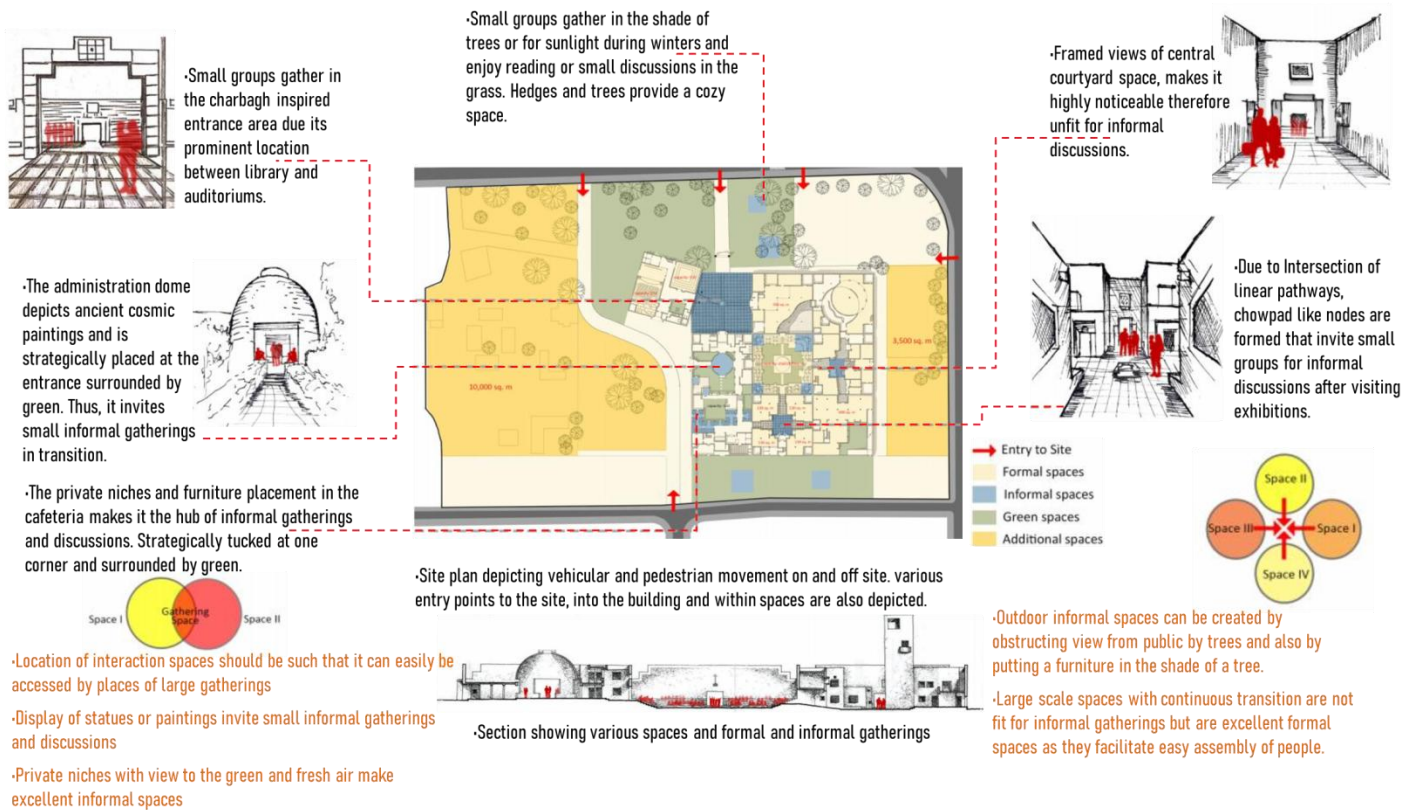


## CONCEPT





## RESPONSE TO USER DIVERSITY, FORMAL INFORMAL SPACES



## INFERENCES

- **CROWD MANAGEMENT:** Managing the crowd without any congestion or traffic overlap is necessary. Spaces for breakout, refreshment, & relaxation should be considered
- **ACCESS GATES:** With more access gates, the crowd management is better. Overlapping traffic should be avoided
- **TRANSPORT:** Improved transport links boost visitors and tourists while considering traffic impact
- **SAFETY;** Scheduled spaces should be avoided in the public access areas. Safe & secured feelings for all users should be ensured
- **LOCATION:** Location in a core central area. Ensure easy access for the public to create a better hang out space.
- **INTER LINKAGE:** Spatial linkage are necessary throughout the complex for a wholesome experience
- **MULTI – USER:** The space should be designed for all kinds of people – children, teens, adults, elderly, etc. as this enhances the spatial usage

# SITE ANALYSIS

- Site Location
- Demographics
- Climate Analysis
- Site Context
- Site Conditions
- Site Images
- Site Plan
- SWOT Analysis

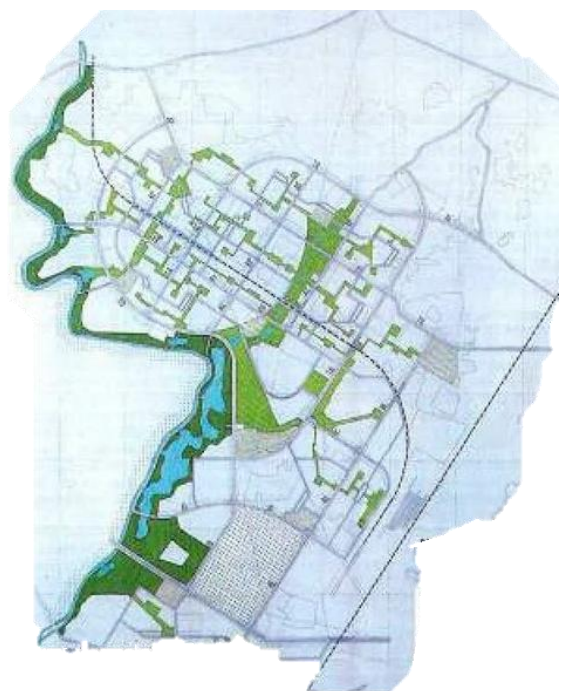
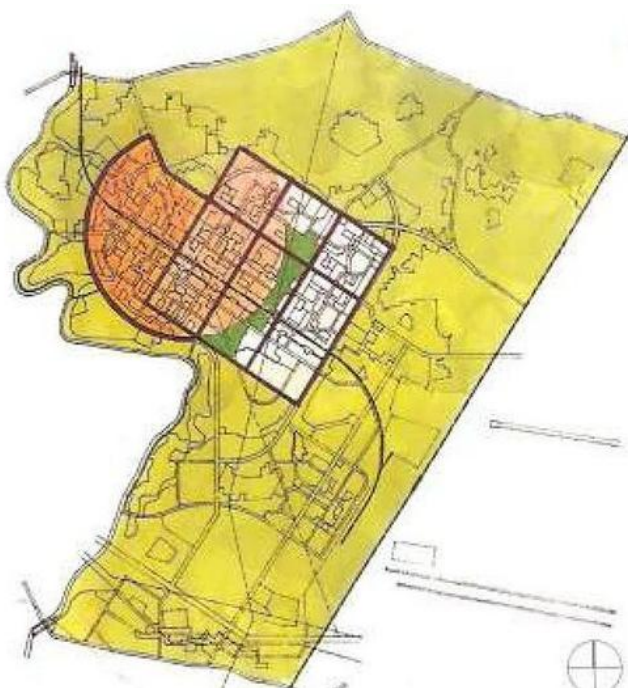
## • SITE LOCATION- DWARKA

### PLANNING

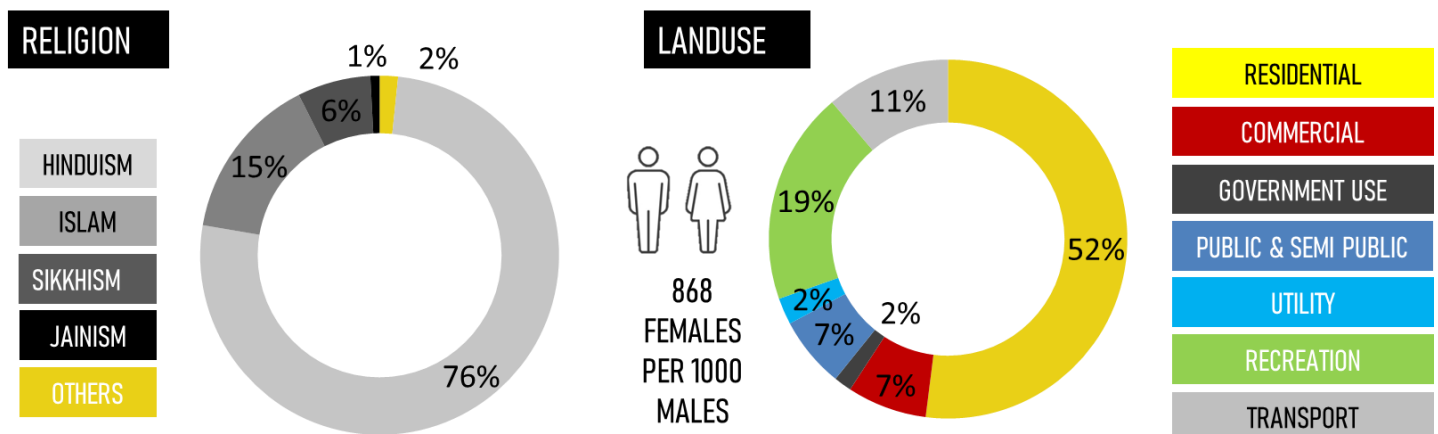
- Dwarka Project is planned with **29 sectors**.
- A formation of **9 square of 900mx900m** has been planned in the innermost core as well as the holding form for the entire city plan.
- The **central square** must act as the **commercial zone** for the city plan.

### OPEN SPACE SYSTEM

- The recreational area constitutes about 17% of the total sub-city area.
- In Dwarka, recreational open spaces are planned as an informal park along the Najafgarh Nallah. The system of open spaces penetrating the built form is in the form of spurs of the regional park itself, thus establishing a continuous system of greens.
- The proposed landscape comprises two interlinked but hierarchically distinct components:
  - o The informal naturalistic component on the north-south axis, developed along Najafgarh Nallah, serving a regional recreation function.
  - o The more formal and organize component serving as the local open space system on the east-west drainage corridors
- The third level of open spaces are those within sectors and neighbourhoods, consisting of the neighbourhood parks and linear link spaces between them.
- At present Dwarka consists of 20 large parks and 100 small parks and a golf course.



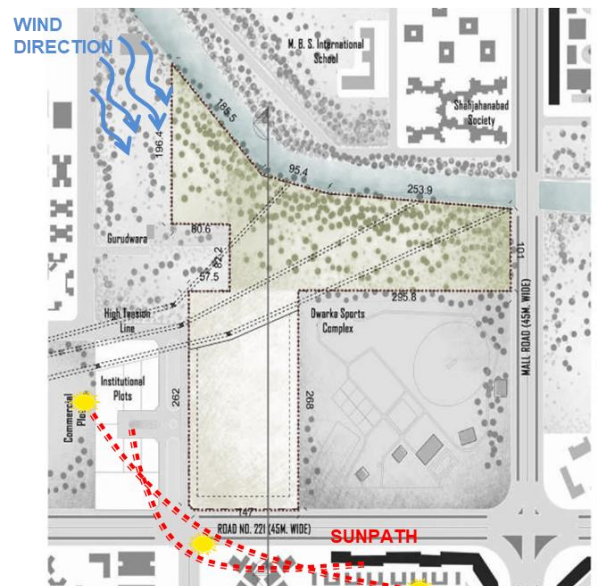
## • DEMOGRAPHICS



## • CLIMATE ANALYSIS

Delhi has a composite climate with **high variation between summer and winter temperatures** and precipitation. The city's climate is greatly influenced by its **proximity to the Himalayas and the Thar Desert**. Delhi has five distinct seasons, viz. Spring, Summer, Monsoon, Autumn, and Winter, A brief overview of the seasonal distribution is as follows:

- **Spring:** February March: Warm days, cool nights, pleasant; Low to moderate humidity, Moderate precipitation
- **Summer:** April-June: Hot to very hot, Very low to moderate humidity, Low precipitation.
- **Monsoon:** July-September: Hot, Pleasant during rains: High to very high humidity, Heavy precipitation
- **Autumn:** October November: Warm days, cool nights, pleasant, Low humidity; Low Precipitation.
- **Winter:** December - January: Cool days, cold nights: Moderate humidity, Medium Precipitation.





- SITE CONTEXT

- **AREA** | 5648 Ha
- **LOCATION** | 1,100,000
- **ACCESSIBILITY** | 19,000/sq.km
- **IMMEDIATE SURROUNDINGS**
- Dwarka sports Complex
- Najafgarh Canal
- Vacant Plot – Institutional and Commercial
- Housing Societies- Ashoka Enclave, Shajahanabad Society, etc.
- M.B.S. International School, Sector-11, Gurudwara and Mosque



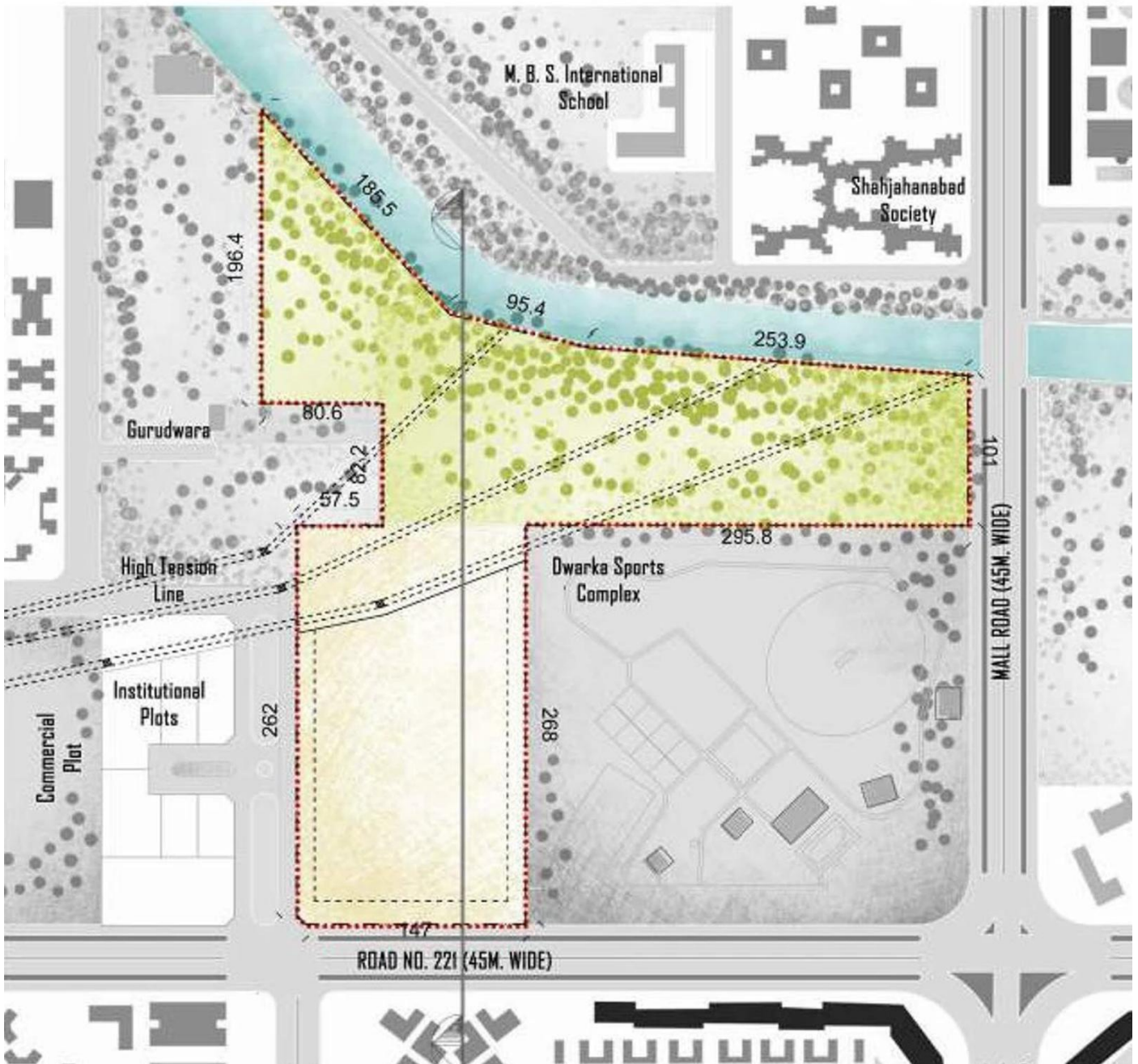
- SITE CONDITIONS

- **Topography:** The Najafgarh canal is 2m below the level of the site. The site is almost flat and has a gentle slope towards the canal.
- **Drainage:** Natural Drainage towards the canal.
- **Vegetation:** Most of the site is barren land with bushes and wild grass cover.
- Kikar trees exist along the canal.
- **Soil Type:** Alluvial Soil

- SITE IMAGES



- SITE PLAN



- SWOT ANALYSIS

**STRENGTH:**

- Location: The site lies in Sector 11, Dwarka, which is almost the centre of Dwarka.
- Accessibility: The site is accessible from 2 'primary' roads.

#### WEAKNESS:

- Untreated sewerage creates 'stench corridor' and gives rise to water borne disease.
- Gated community developments treat the canal as an undesirable entity which further makes it a dumping zone.

#### OPPORTUNITY::

- The canal can be revitalised and green belt along it can be used as an open recreational space thus, inviting people and creating more social spaces.
- These social space could be ungated.

#### THREAT::

- A high tension line through the site, restricting the built mass.

# AREA PROGRAMME

- Defining the user
- Program Components
- Area Program

- DEFINING THE USER

The project therefore works at different levels.

- A Community Space
- An Artistic Public Realm
- A Culturally Vibrant Complex
- A creative Working Environment



- PROGRAM COMPONENTS

#### EXHIBITION CENTRE:

- The exhibition centre comprises of traditional and contemporary exhibits in both, permanent and temporary galleries.
- Curated by different artists and art organisations, the aim is to provide a meaningful understanding of art in its various forms.

#### PERFORMANCE CENTRE:

- The performance centre comprises of different independent venues.
- While some performances are ticketed with a dedicated auditorium/multi-purpose hall, the attempt at an inclusive arts hub brings in some performances to the traditional structure and outdoor areas.



- The centre is managed by the arts centre admin.

#### LEARNING CENTRE:

- The learning centre provides facilities for the following programs:
- Short-term courses Basic, intermediate, advanced level (2 weeks to 3 months)
- Artists' residency programme
- Weekly classes
- Research courses (6 months to 1 year)
- Public workshops & lectures

#### RETAIL:

- The retail stores cater to the realm of arts with shops for
  - Musical instruments
  - Art material and stationery
  - Performing arts costumes, ornaments, props
  - Book store

#### ARTISTS' RESIDENCES:

- The furnished studio apartments for artists' shall be in proximity to the learning centre. These apartments are meant for artists who are a significant part of the project, as well as artists who visit the centre for various residency programs and courses.

#### COMMERCIAL OFFICES

- Providing a unique working environment to the commercial offices through coexistence of art with work, these offices shall have various informal spaces for discussion, engagement and expression through art, which shall enhance the quality of work environment. Most of the offices in the complex would be from creative fields of art and design.

#### RESTAURANTS/CAFES

With a view of the rich cultural heritage, the restaurants, cafes and coffee shops shall cater to every visitor/resident of the hub.

• AREA PROGRAM

S.No.	COMPONENTS	STANDARDS	UNIT AREA	COUNT	AREA
1.	<b>ARTS CENTRE</b>				
i)	<b>Exhibition Centre</b>				
	<b>Entry &amp; Visitor's Waiting</b>				390
	- Foyer		75	1	75
	- Reception		15	1	15
	- Lobby & Lounge		200	1	200
	- Toilets		40	2	80
	- Giftshop		20	1	20
	<b>Galleries</b>				1000
	- Paintings		200	1	200
	- Photography		200	1	200
	- Sculpture		200	1	200
	- Craft		200	1	200
	- Textile		200	1	200
	Admin Office		30	1	30
	Security Room		10	1	10
	Storage		30	1	30
	Archives		30	1	30
	<b>Sub Total</b>				1490
ii)	<b>Performance Centre</b>				
	<b>Entry &amp; Visitor's Waiting</b>				370
	- Foyer		75	1	75
	- Reception		15	1	15
	- Lobby & Lounge		200	1	200
	- Toilets		40	2	80
	<b>Admin</b>				72
	- Reception/ Lobby		20	1	20
	- Manager's Office		12	1	12
	- Staff Room		40	1	40

S.No.	COMPONENTS	STANDARDS	UNIT AREA	COUNT	AREA
	<b>Auditorium(600 people)</b>			1	2241
	ENTRY				
	- Foyer		100	1	100
	- Box Office		10	1	10
	- Cloak Rooms		10	1	20
	VISITOR'S WAITING				
	- Lobby & Lounge		200	1	200
	- Toilets		40	2	80
	- VIP Lounge		60	1	60
	ADMINISTRATION		40	1	40
	MAKE-UP & REHEARSAL				
	- Lounge		80	1	80
	- Rehearsal Room (Large)		120	1	120
	- Rehearsal Room (Small)		20	1	20
	- Discussion Room		40	1	40
	- Dressing Room (Group)		60	2	120
	- Dressing Room (Individual)		8	3	24
	Production				
	- Stage Manager		15	1	15
	- Stage Workshop		120	1	120
	- Scene Store		100	1	100
	- Costume Workshop		45	1	45
	- Laundry & Store		35	1	35
	- Loading/ Unloading Dock		20	1	20
	- Pantry		12	1	12
	Production				
	- Control Room		30	1	30
	- Spotlight Booths		35	1	35
	- Recording Room		15	1	15
	Production				
	- Stage		180	1	180
	- Auditorium	1.2 sqm per person	720	1	720
	<b>Multipurpose Hall(Large)- Black Box Theatre(300 people)</b>			1	952
	- Pre- function lobby(including toilets)		140	1	140
	- Hall	1.2 sqm per person	420	1	420
	- Hall balcony		120	1	120
	- Green Rooms		30	1	60
	- Green Room Toilets		30	1	60
	- Mechanical/Electrical Room		40	1	40
	- Control Room		40	1	40
	- Toilets		26	2	52
	- Storage		20	1	20
	<b>Informal Performance Spaces(Music, Poetry, Dance)</b>				
	<b>Sub Total</b>				<b>3635</b>



S.No	COMPONENTS	STANDARDS	UNIT AREA	COUNT	AREA
iii)	<b>Learning Centre</b>				
	<b>Entry &amp; Visitor's Waiting</b>				<b>245</b>
	- Foyer		50	1	50
	- Reception		15	1	15
	- Lobby & Lounge		100	1	100
	- Admin		40	1	40
	- Conference Room		40	1	40
	- Toilets		40	2	80
	<b>Visual Art Studios</b>				<b>220</b>
	- Painting	1.11- 2sqm / person	50	2	100
	- Sculpture & Craftwork	1.11- 2sqm / person	50	1	50
	- Photography	1.11- 2sqm / person	50	1	50
	- Store		20	1	20
	<b>Performing Art Studios (Classes &amp; Small Performances)</b>				<b>475</b>
	- Drama		100	1	100
	- Dance		100	1	100
	- Music – Vocals & Instruments		100	2	200
	- Store		25	3	75
	<b>Research Classrooms</b>		50	2	<b>100</b>
	<b>Artist's Staff Room</b>				<b>80</b>
	- Office Space		40	1	40
	- Locker Space		13	1	13
	- Pantry		15	1	15
	- Toilets		6	2	12
	<b>Childrens' Section</b>				<b>630</b>
	- Lobby & Lounge		100	1	100
	- Toilets		40	1	40
	- Admin		30	1	30
	LIBRARY				
	- Reading Hall		120	1	120
	- Stacks		60	1	60
	- Gallery/ Exhibition		150	1	150
	- Store		30	1	30
	- Workshop	1.11- 2sqm / person	50	2	100
	- Outdoor Play Area				
	<b>Childrens' Section</b>	1.11- 2sqm / person	50	4	
	<b>Lecture Hall/ Pavilions (Story telling, Readings, Discussions, Talks, Film Screenings)</b>				<b>320</b>
	- Hall	1.11- 2sqm / person	120	2	240
	- Other Facilities		80	1	80
	<b>Canteen</b>		600	1	<b>600</b>
	<b>Sub Total</b>				<b>2870</b>

S.No.	COMPONENTS	STANDARDS	UNIT AREA	COUNT	AREA
iv)	<b>Administration</b>				
	Common Lobby & Lounge		25	1	25
	Reception		15	1	15
	Director/ Manager's Office(with toilet)		35	2	70
	PA Office		10	2	20
	General Administration		200	1	200
	Accounts		50	1	50
	Meeting Rooms		15	3	45
	Conference Room		70	1	70
	<b>Sub Total</b>				<b>495</b>
	<b>SUB TOTAL</b>				<b>8490</b>
	<b>2. ARTISTS' RESIDENCES</b>				
i)	<b>Lobby &amp; Administrative Office</b>				
	24 hr Reception & Service Desk Counter		15	1	15
	Waiting Lounge with Public Toilets		30	1	30
	Courier Desk with attached storage space		15	1	15
	General Manager		10	1	10
	Associate Managers		8	1	8
	Office area for accounts, administration, & maintenance		27	1	27
	Staff Toilets		15	1	15
	<b>Sub Total</b>				<b>120</b>
ii)	<b>Residential</b>				
	Studio Apartments		42	45	1890
	<b>Sub Total</b>				<b>1890</b>
iii)	<b>Back of House Support</b>				
	House Keeping Section				150
	Security				30
	Laundry				80
	Polyclinic				60
	Staff Lockers				85
	<b>Sub Total</b>				<b>405</b>
	<b>SUB TOTAL</b>				<b>2415</b>
	<b>3. COMMERCIAL OFFICES</b>				
	Offices				8000
	<b>SUB TOTAL</b>				<b>8000</b>
	<b>4. PUBLIC AMENITIES</b>				
iii)	<b>Retail(Art Bazaar)</b>				
	Musical Instruments Store		250	1	250
	Arts Store (Stationery Material)		250	1	250
	Costumes, Props & Ornaments Store		100	1	100
	Book Store		200		200
	Toilets		40		80
	<b>Sub Total</b>				<b>880</b>

S.No.	COMPONENTS	STANDARDS	UNIT AREA	COUNT	AREA
ii)	<b>Recreational</b>				
	Gymnasium		300	1	300
	Billiards & Snooker		100	1	100
	Table Tennis		150	1	150
	Yoga Centre		150	1	150
	Swimming Pool		300	1	300
	Restrooms/Changing Rooms/Lockers		200	1	200
	<b>Sub Total</b>				<b>1200</b>
iii)	<b>Hospitality</b>				
	Restaurants		250	3	750
	Cafes		200	3	600
	Coffee Shops		100	2	200
	Food Kiosks		10	20	200
	Toilets		40	2	80
	<b>Sub Total</b>				<b>1830</b>
	<b>SUB TOTAL</b>				<b>3910</b>
5.	<b>SERVICES</b>				
	Fire-Fighting				
	Fire Hydrant				
	Garbage Disposal				
	Generators				
	Mechanical Rooms				
	Electrical Rooms				
	Chiller				
	Security				
	Storage				
	<b>SUB TOTAL</b>				<b>2000</b>
	<b>AREA</b>				<b>29940</b>
	Adding 40% for circulation & services				<b>41916</b>
	<b>BUILT- UP AREA ACHIEVED</b>				
	<b>FAR ACHIEVED</b>				<b>1.04</b>

# CONCEPT

## DWARKA



### CONCEPTUAL PLAN | DWARKA

- Dwarka sub city is planned using perfect shapes square and circle
- There were geometricalised to create rational spaces for detailed working out
- The basis of the process was the use of a 900x900 square grid and, whenever necessary, the perfect circle or definable sectors thereof.
- This emerged at the innermost core, as well as the holding form for the entire city plan.

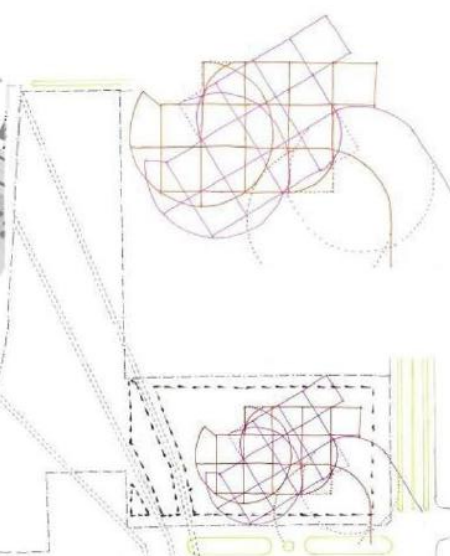
### STRUCTURAL PLAN | DWARKA



## SITE



## SITE PLAN



## ZONING

### SEMI - PUBLIC

AKSHARA  
AKRITI  
AAROH

Administration Block  
Library  
Centre for Visual Arts  
Centre for Performing Arts

### PUBLIC

AKRITI  
AKRIVAN

Exhibition Gallery  
Convention Centre  
Auditorium

### PRIVATE

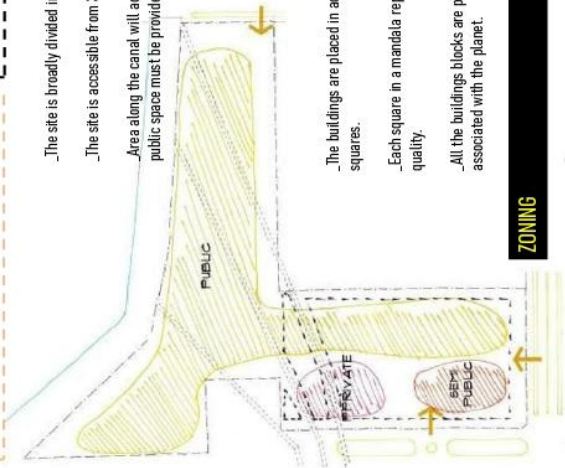
Residential Block  
+  
Offices

ATITHI

The site is broadly divided into three zone: Public, Semi Public and Private.

The site is accessible from 3 roads, gaining an accessibility from three sides.

Area along the canal will act as a major open public space. A link of this open public space to the built public space must be provided.



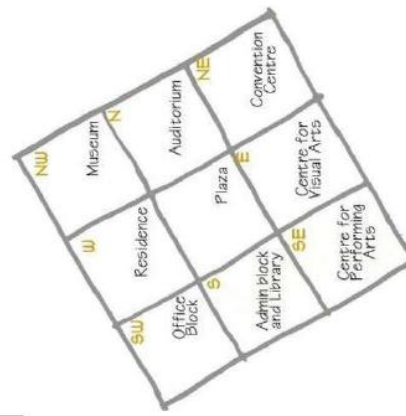
## ZONING

The buildings are placed in accordance with the navagraha mandala. A navagraha mandala consists of 9 squares.

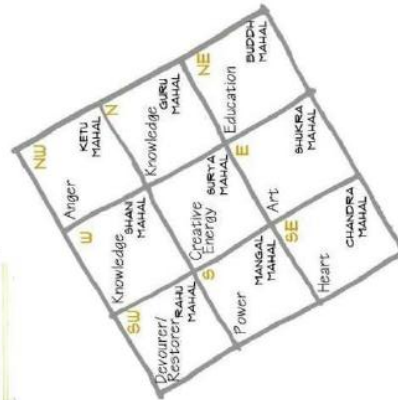
Each square in a mandala represents a planet in a particular direction which further represents a quality.

All the buildings blocks are placed with respect to the activity involved in the block and its quality associated with the planet.

### PLACEMENT OF BUILDING BLOCKS

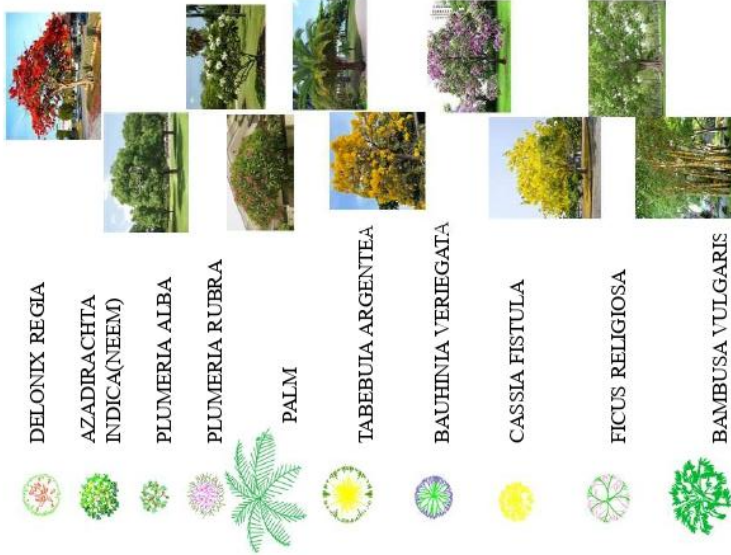


### NAVGRAHA MANDAL CONCEPT

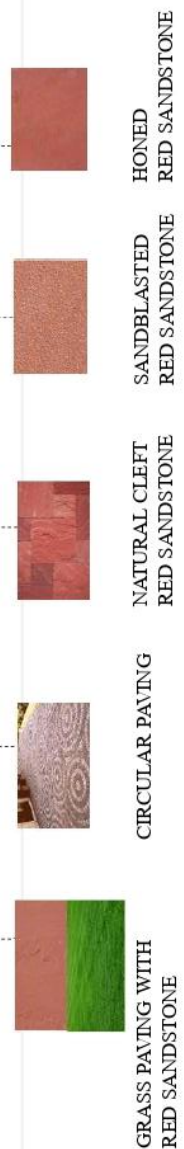


# LANDSCAPE PLAN



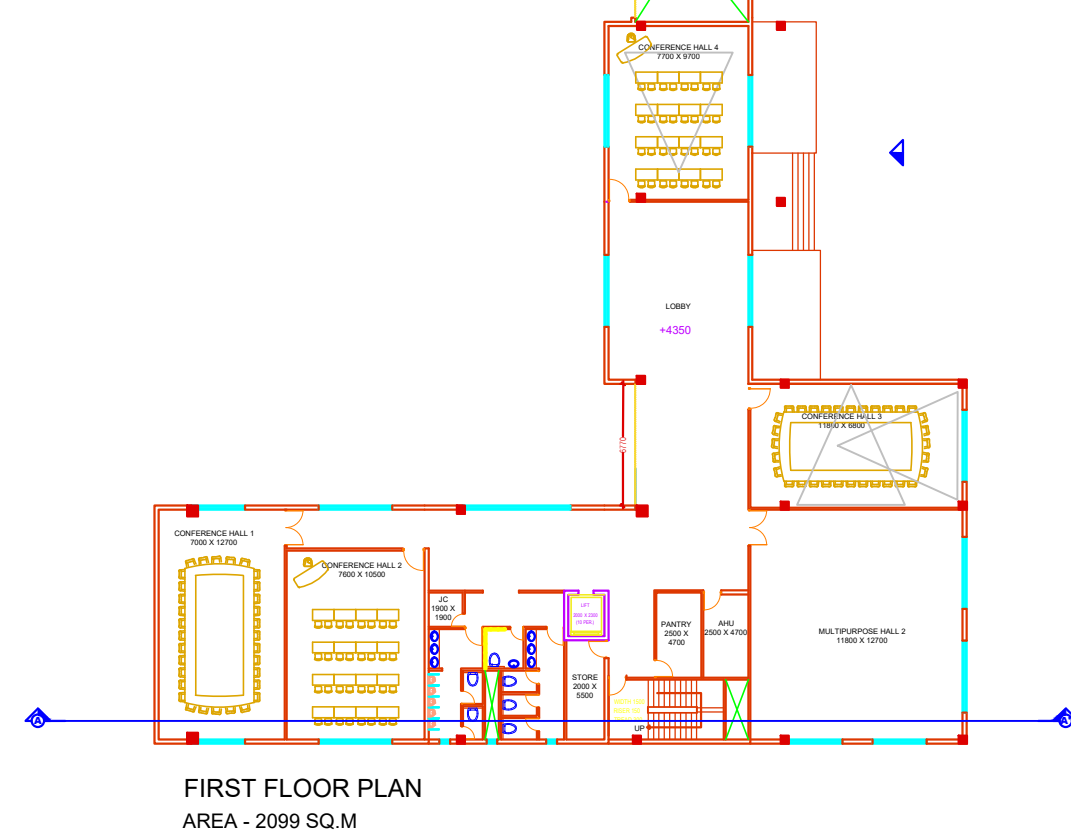
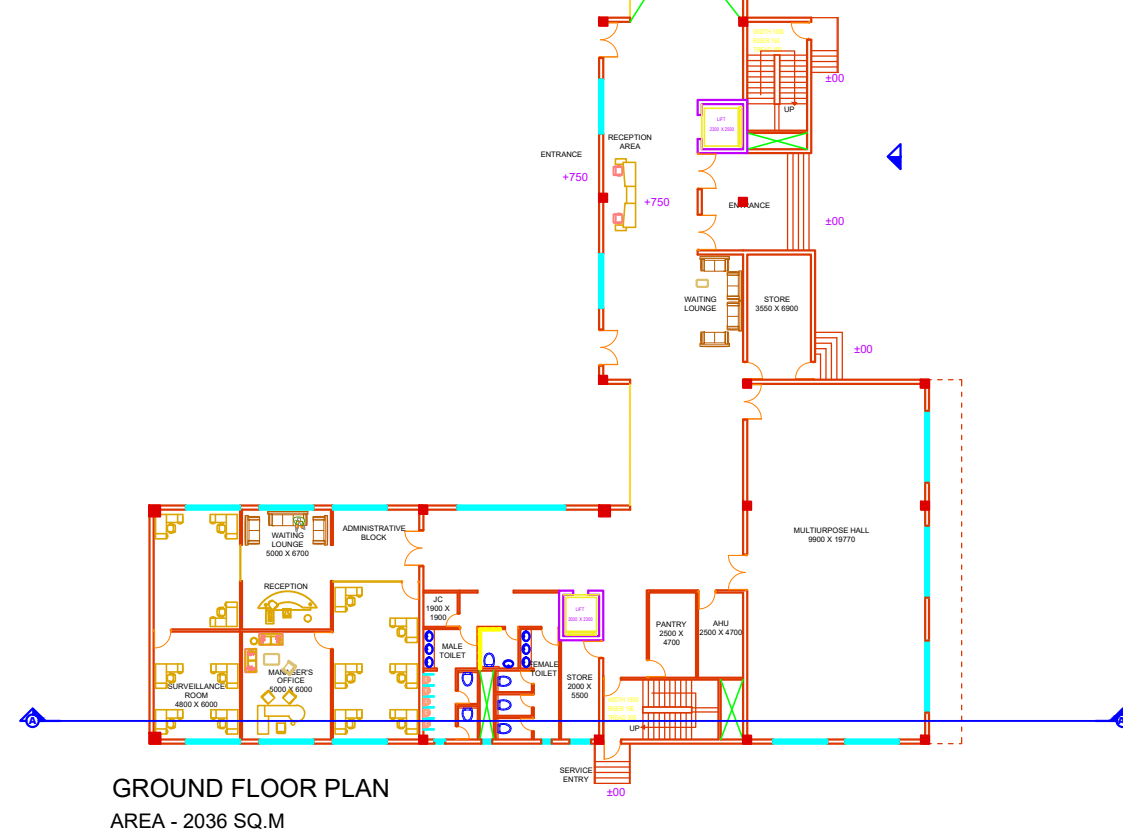
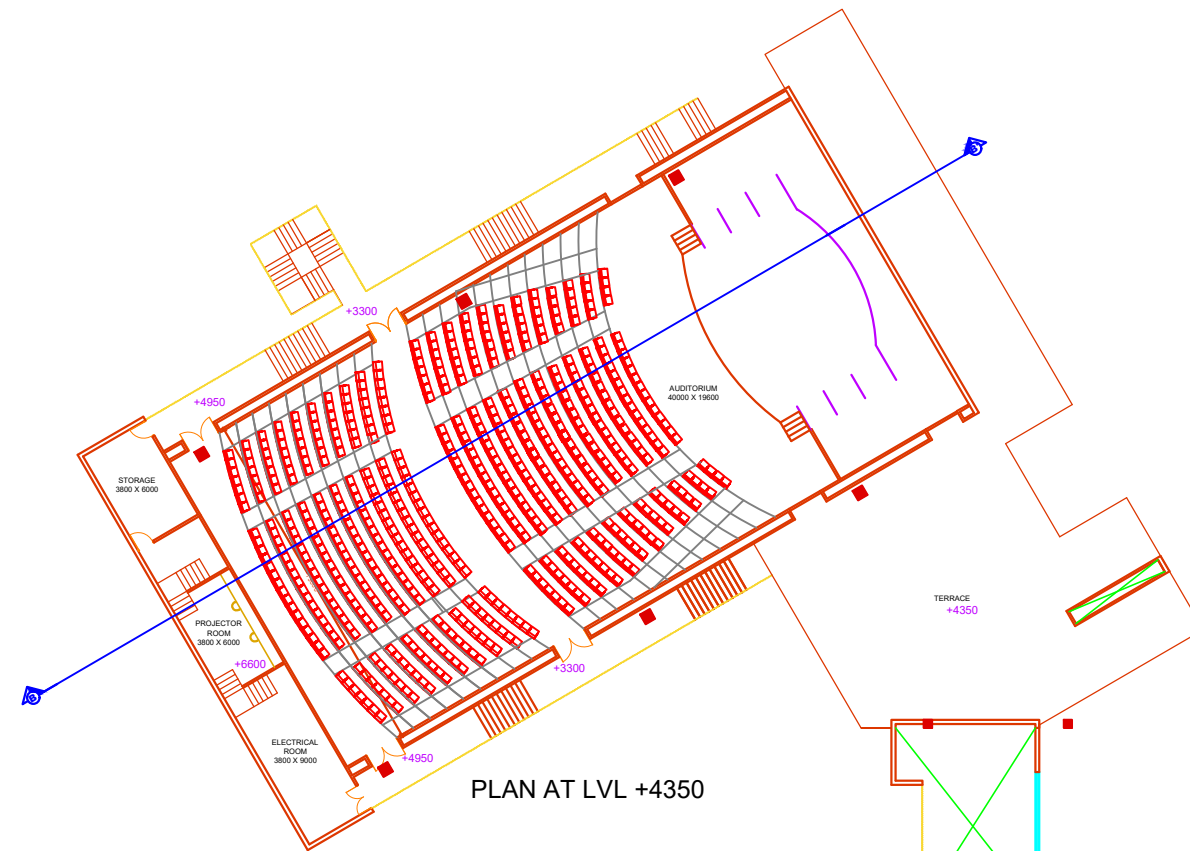
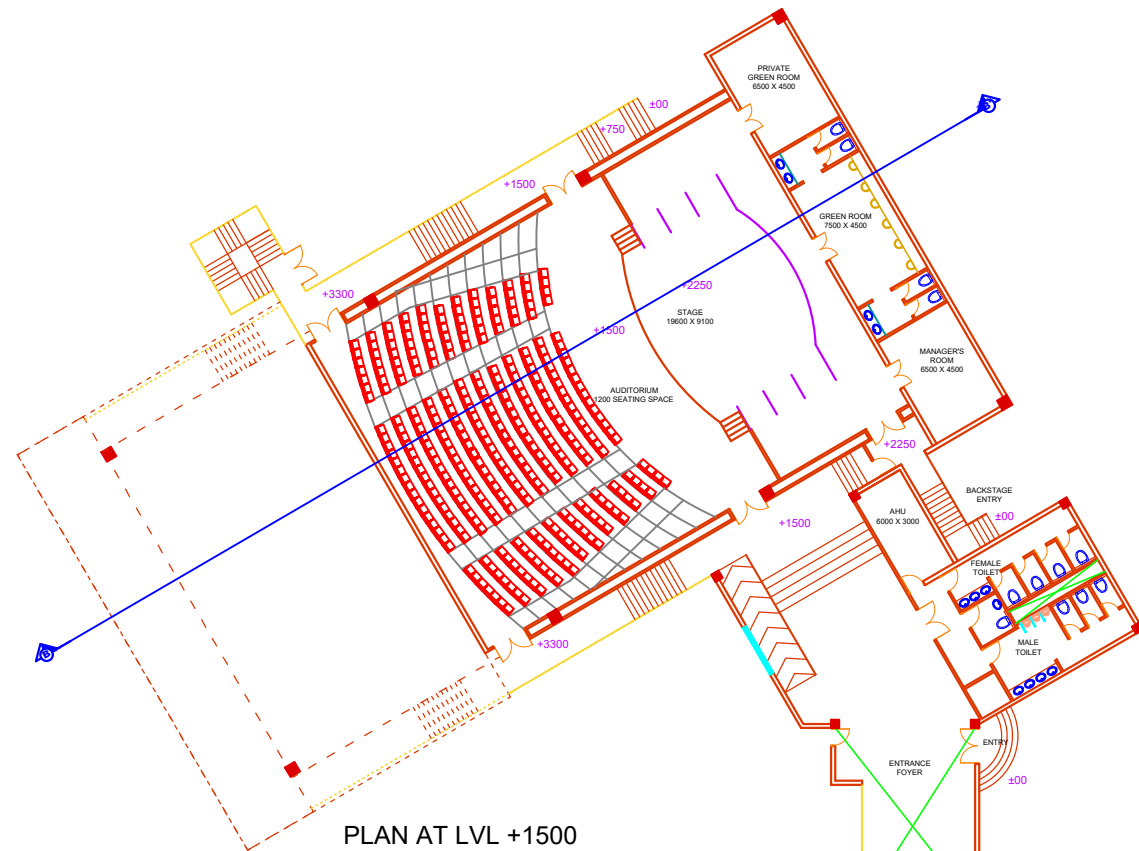


- SPECIFIC PLANTING STRATEGIES ARE ENVISAGED FOR THE VARIOUS ZONES KEEPING IN MIND THEIR UNIQUE ECOLOGICAL REQUIREMENTS AND DESIGN CONTENT. NATIVE AND NATURALIZED TREE SPECIES HAVE BEEN SELECTED AND THE EMPHASIS IS ON LONG LIVED TREES.
- PLANTING SCHEME HAS BEEN DEVELOPED TO ADD SEASONAL TEXTURE TO THE DESIGN.



# PLANS,ELEVATION & SECTION





PROJECT:-

**MULTIPURPOSE  
CULTURAL CENTRE**

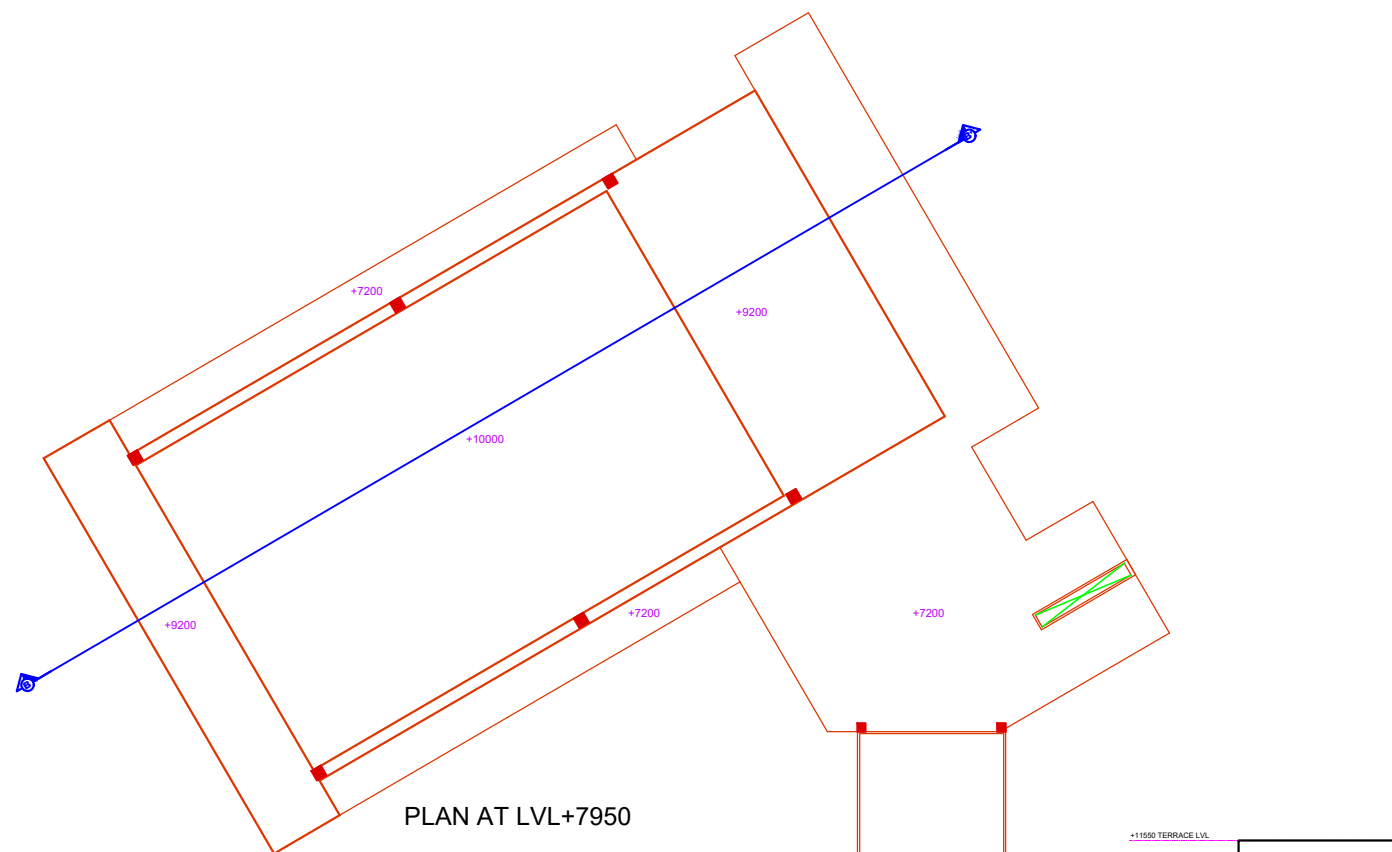
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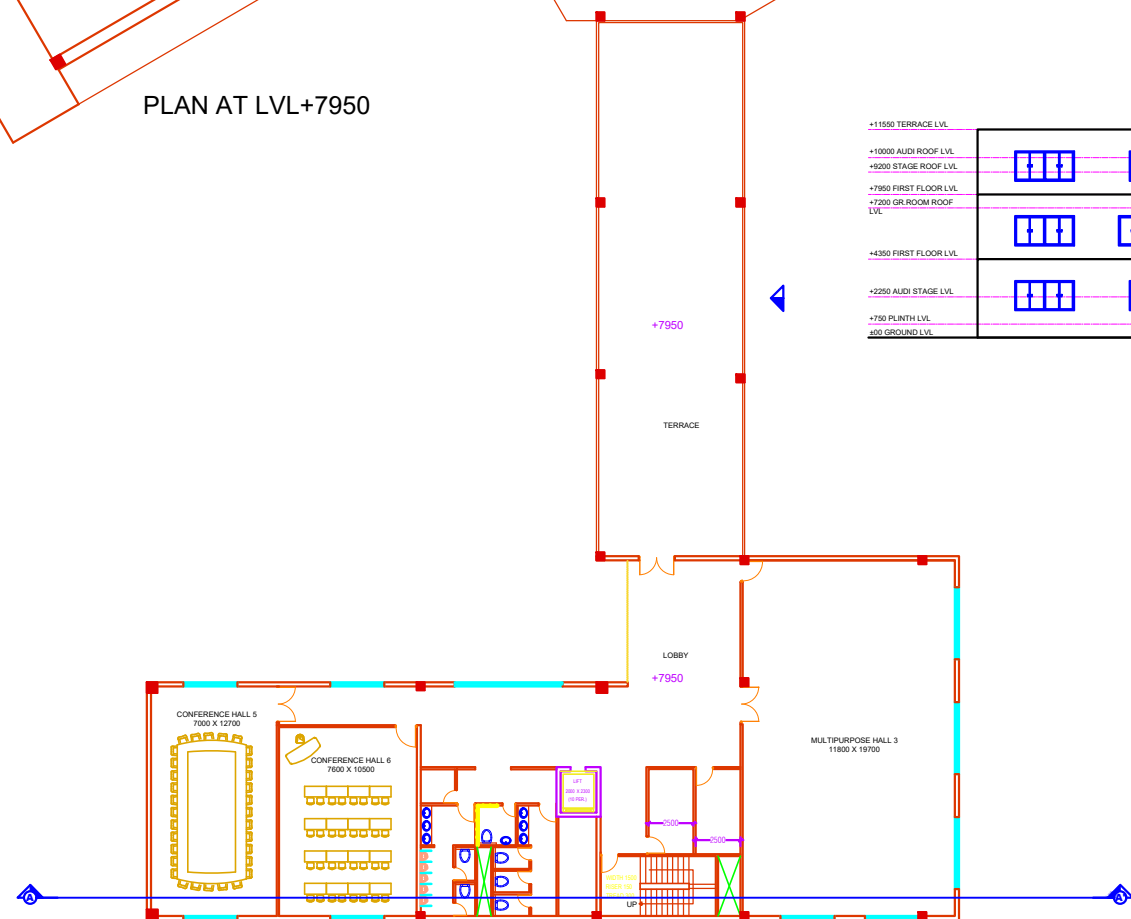
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**AR. ANSHU RASTOGI**

**INSHA MAZHAR  
1200101013  
B.ARCH - 5TH YEAR, 10TH SEM  
BABU BANARASI DAS UNIVERSITY, LKO.**



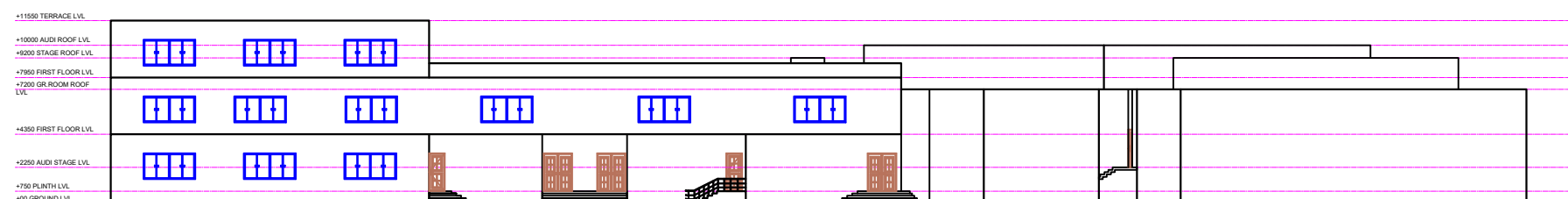
PLAN AT LVL+7950



SECOND FLOOR PLAN  
AREA - 1921 SQ.M



VIEW



ELEVATION



VIEW

PROJECT:-

**MULTIPURPOSE  
CULTURAL CENTRE**

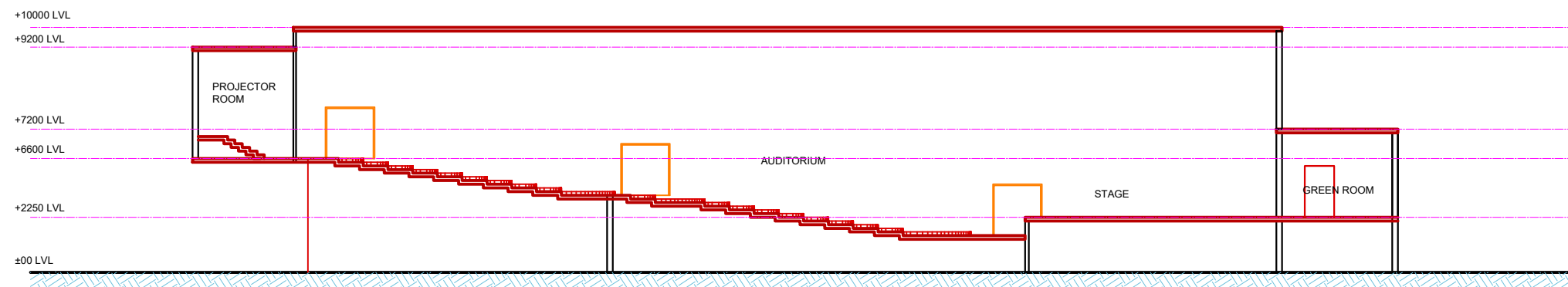
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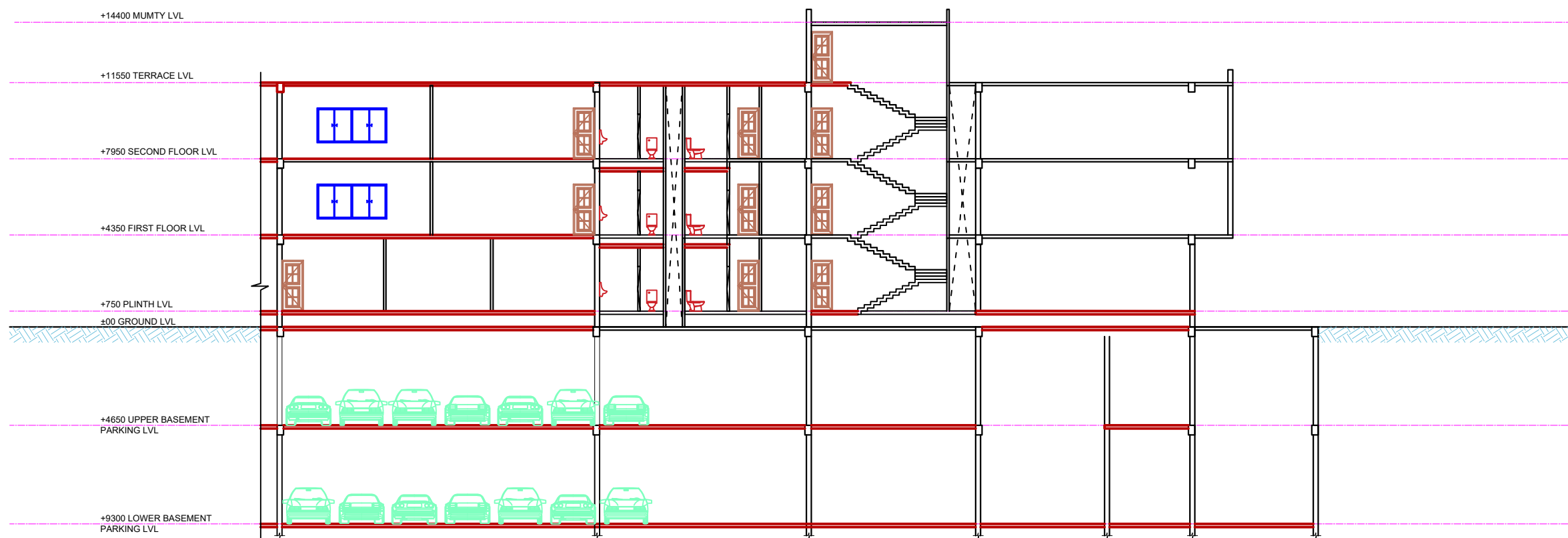
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SECTION AT BB'



SECTION AT AA'

PROJECT:-

**MULTIPURPOSE  
CULTURAL CENTRE**

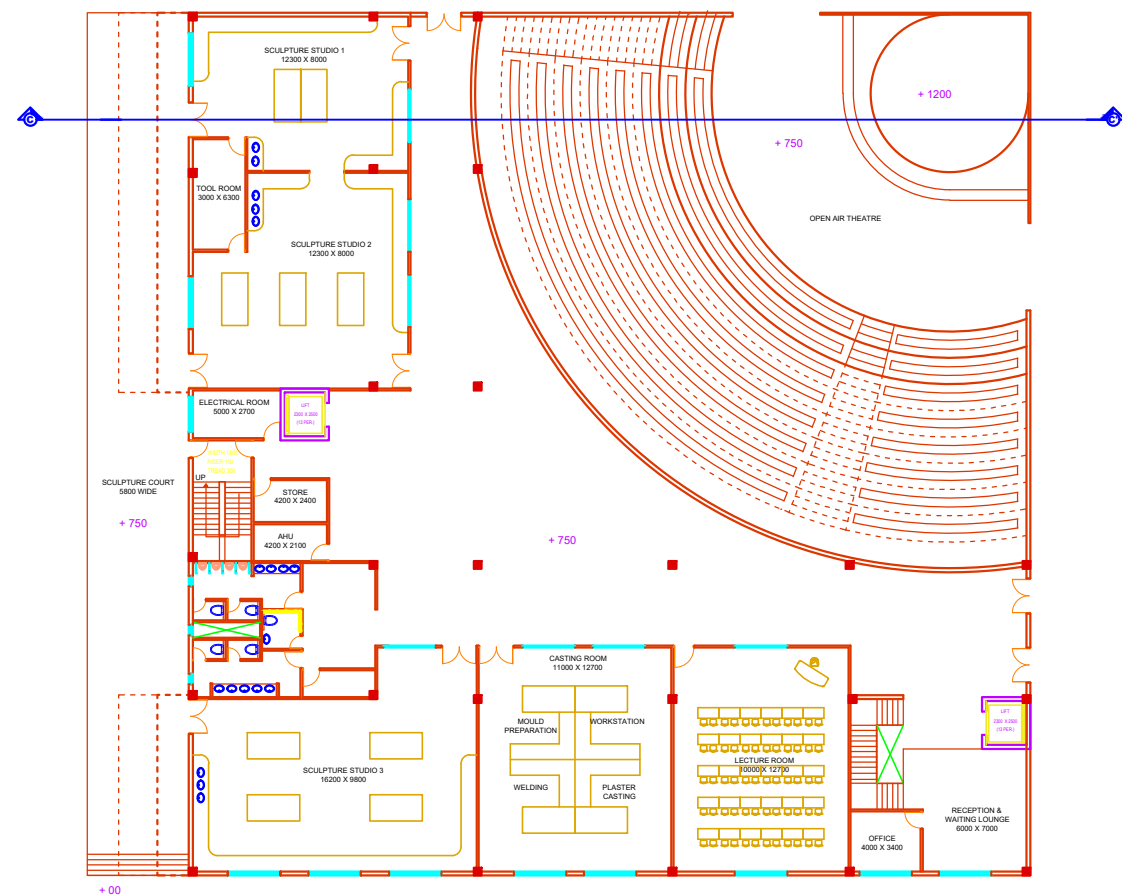
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**CULTURAL BLOCK**

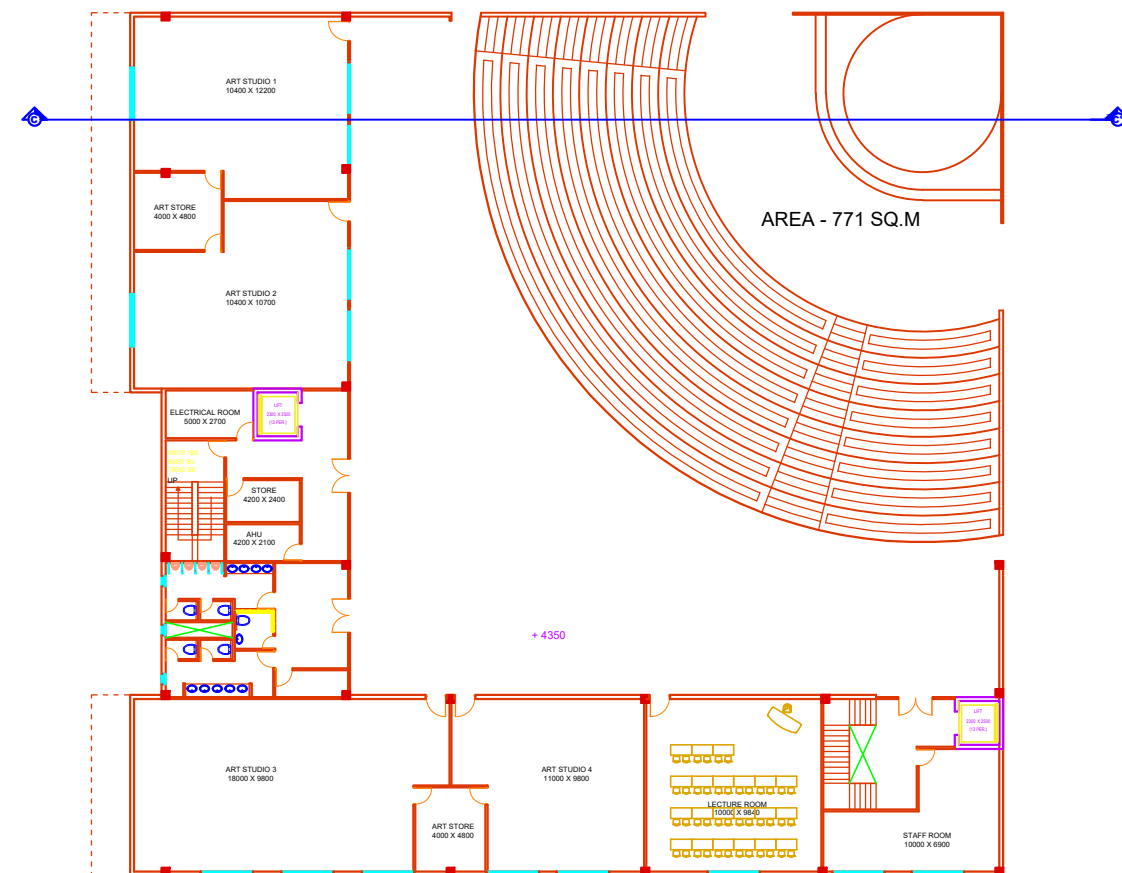
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GROUND FLOOR PLAN  
AREA - 1506 SQ.M



FIRST FLOOR PLAN  
AREA - 930 SQ.M

PROJECT:-

MULTIPURPOSE  
CULTURAL CENTRE

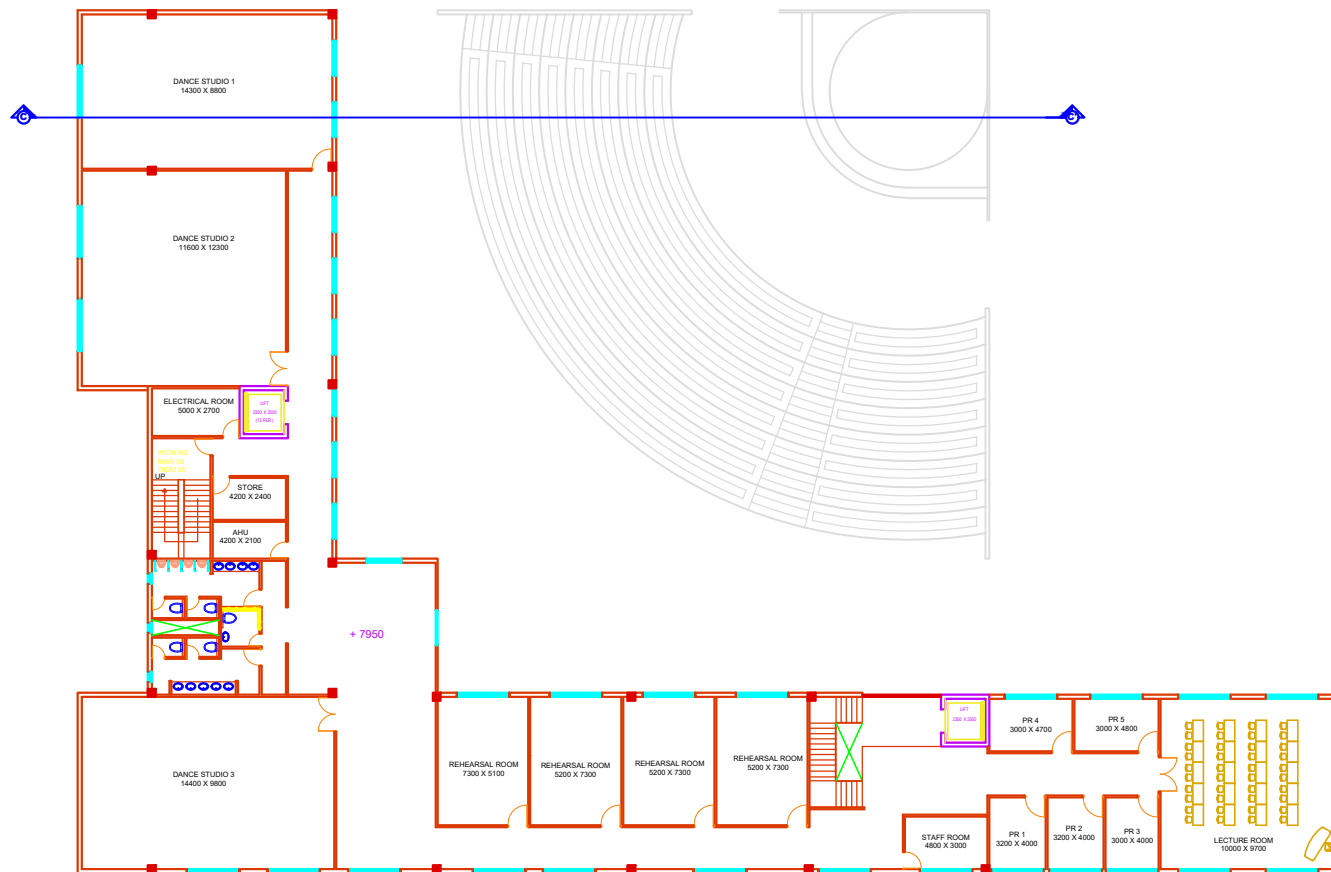
DRAWING TITLE:-

ARTS BLOCK

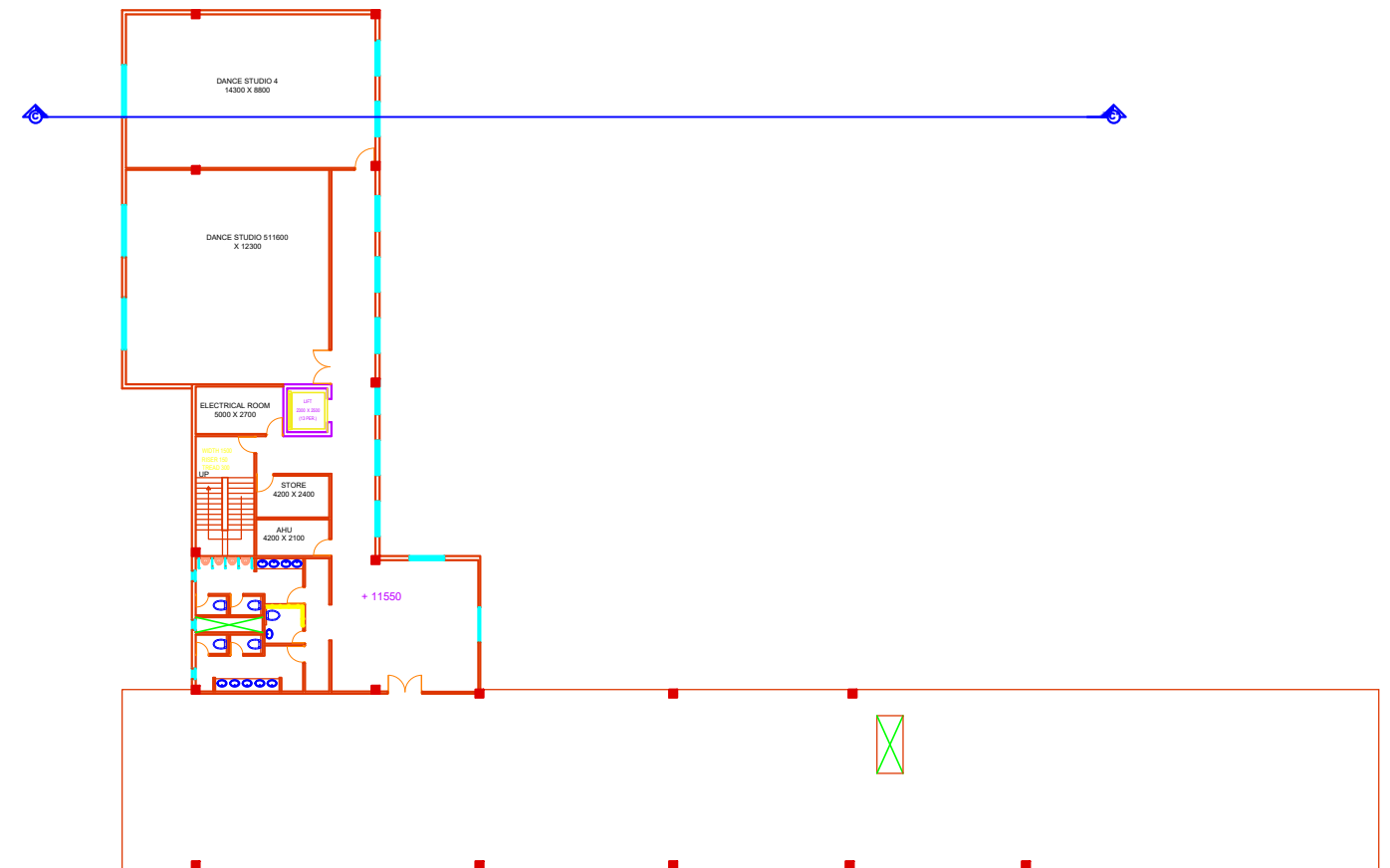
THESIS GUIDE:-

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BABU BANARASI DAS UNIVERSITY, LKO.



SECOND FLOOR PLAN  
AREA - 1921 SQ.M



THIRD FLOOR PLAN

PROJECT:-

MULTIPURPOSE  
CULTURAL CENTRE

DRAWING TITLE:-

ARTS BLOCK

THESIS GUIDE:-

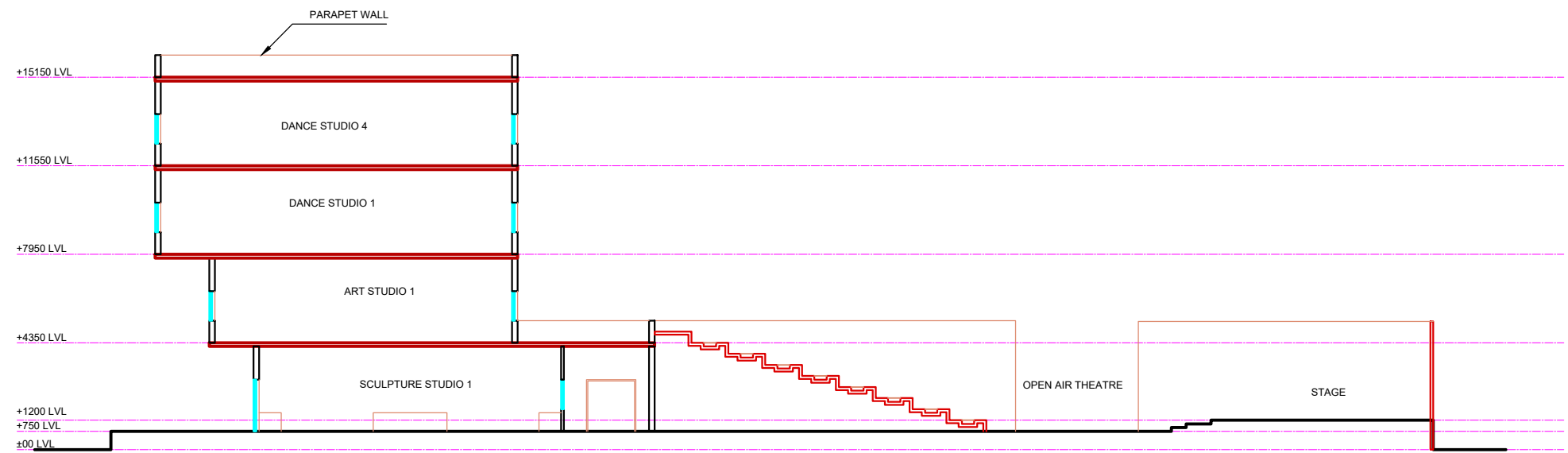
AR. ANSHU RASTOGI

INSHA MAZHAR  
1200101013  
B.ARCH - 5TH YEAR, 10TH SEM  
BABU BANARASI DAS UNIVERSITY, LKO.





VIEW



SECTION AT CC'

PROJECT:-

MULTIPURPOSE  
CULTURAL CENTRE

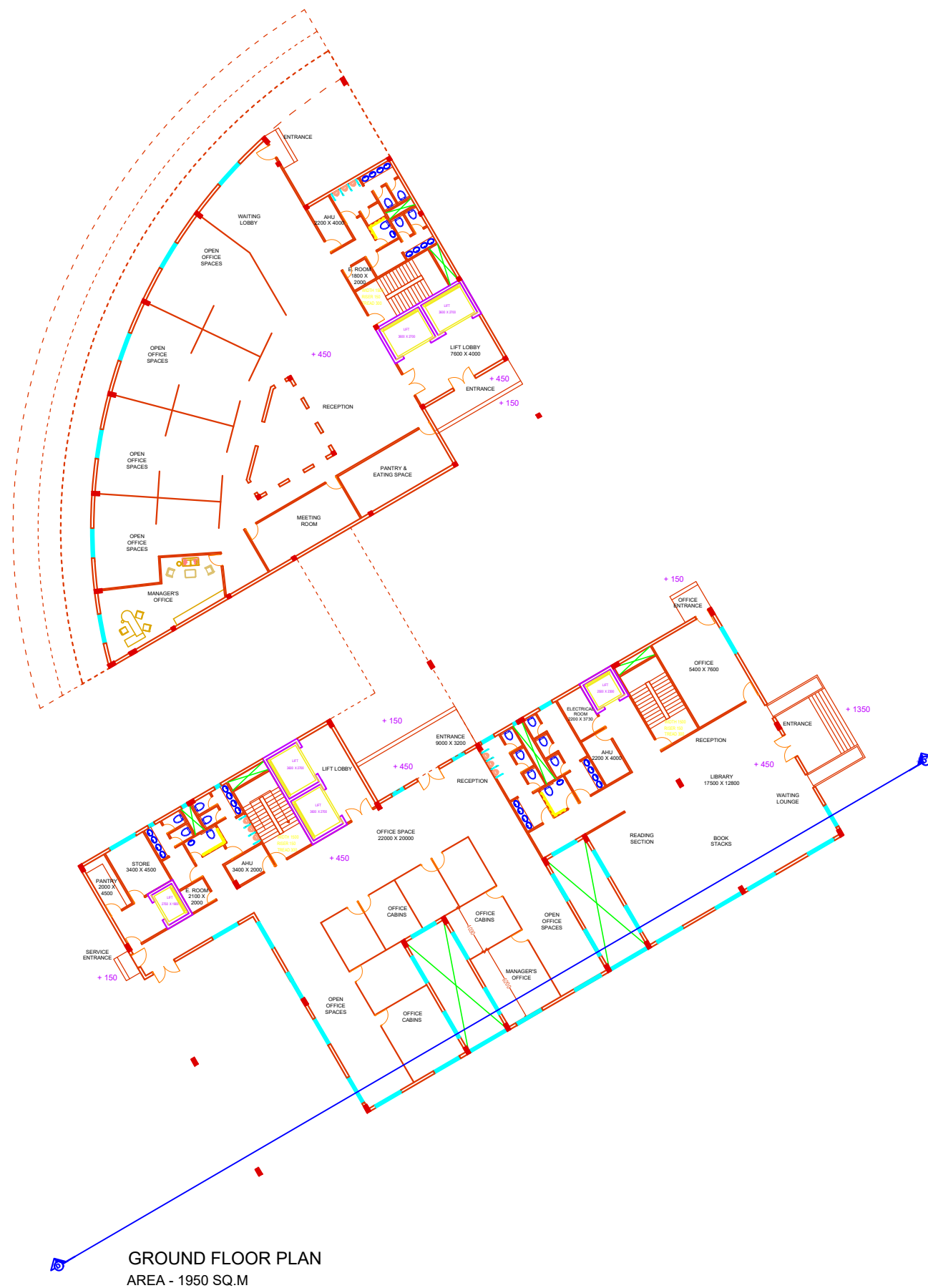
DRAWING TITLE:-

ARTS BLOCK

THESIS GUIDE:-

AR. ANSHU RASTOGI

INSHA MAZHAR  
1200101013  
B.ARCH - 5TH YEAR, 10TH SEM  
BABU BANARASI DAS UNIVERSITY, LKO.



**PROJECT:-**

**MULTIPURPOSE  
CULTURAL CENTRE**

**DRAWING TITLE:-**

OFFICE BLOCK

### THESIS GUIDE:-

**AR. ANSHU RASTOGI**

**INSHA MAZHAR**  
**1200101013**  
**B.ARCH - 5TH YEAR, 10TH SEM**  
**BABU BANARASI DAS UNIVERSITY, LKO.**





**PROJECT:-**  
**MULTIPURPOSE  
CULTURAL CENTRE**

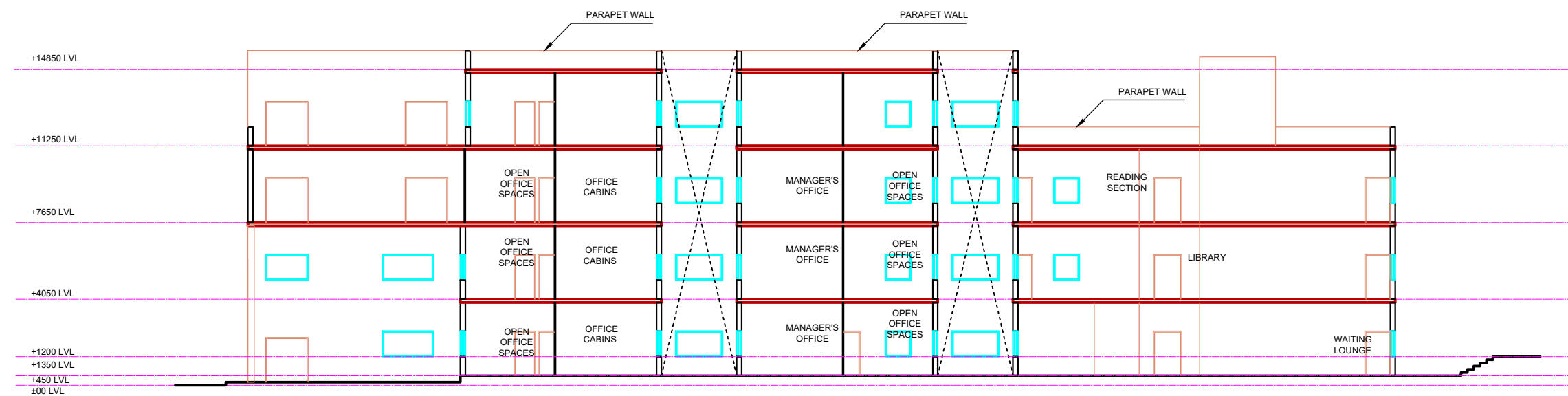
**DRAWING TITLE:-**  
**OFFICE BLOCK**

**THESIS GUIDE:-**  
**AR. ANSHU RASTOGI**

**INSHA MAZHAR**  
**1200101013**  
**B.ARCH - 5TH YEAR, 10TH SEM**  
**BABU BANARASI DAS UNIVERSITY, LKO.**



## VIEWS



SECTION AT DD'

**PROJECT:-**

**MULTIPURPOSE  
CULTURAL CENTRE**

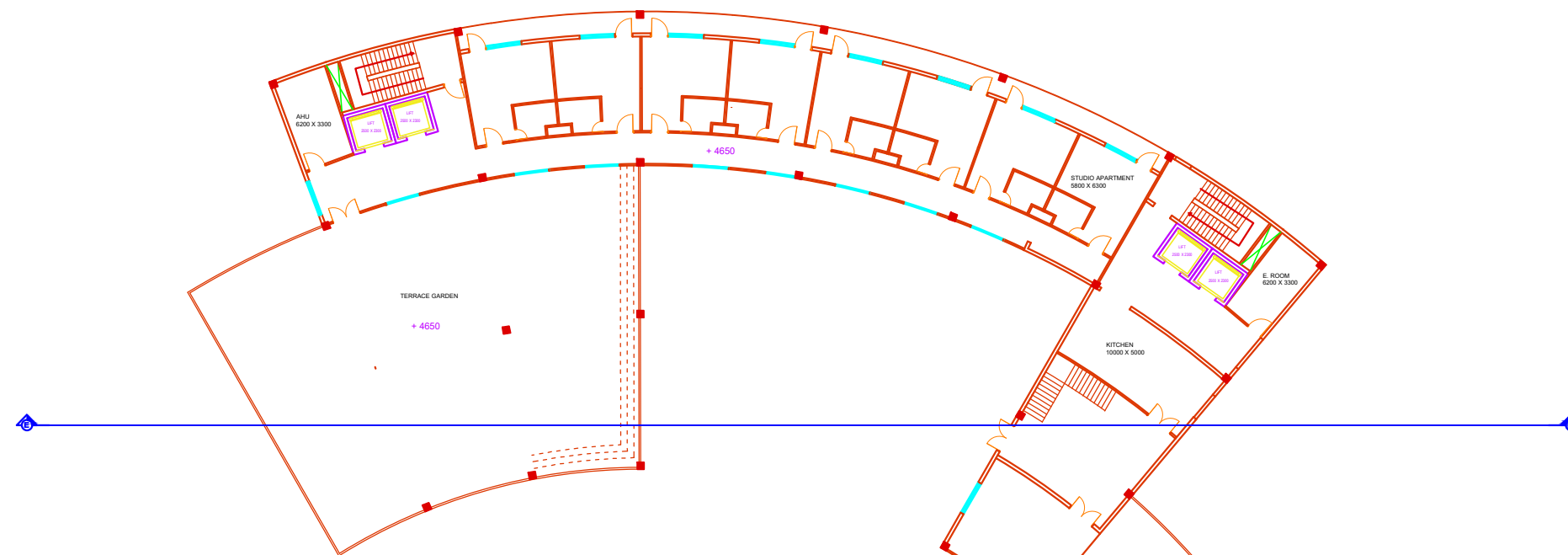
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**OFFICE BLOCK**

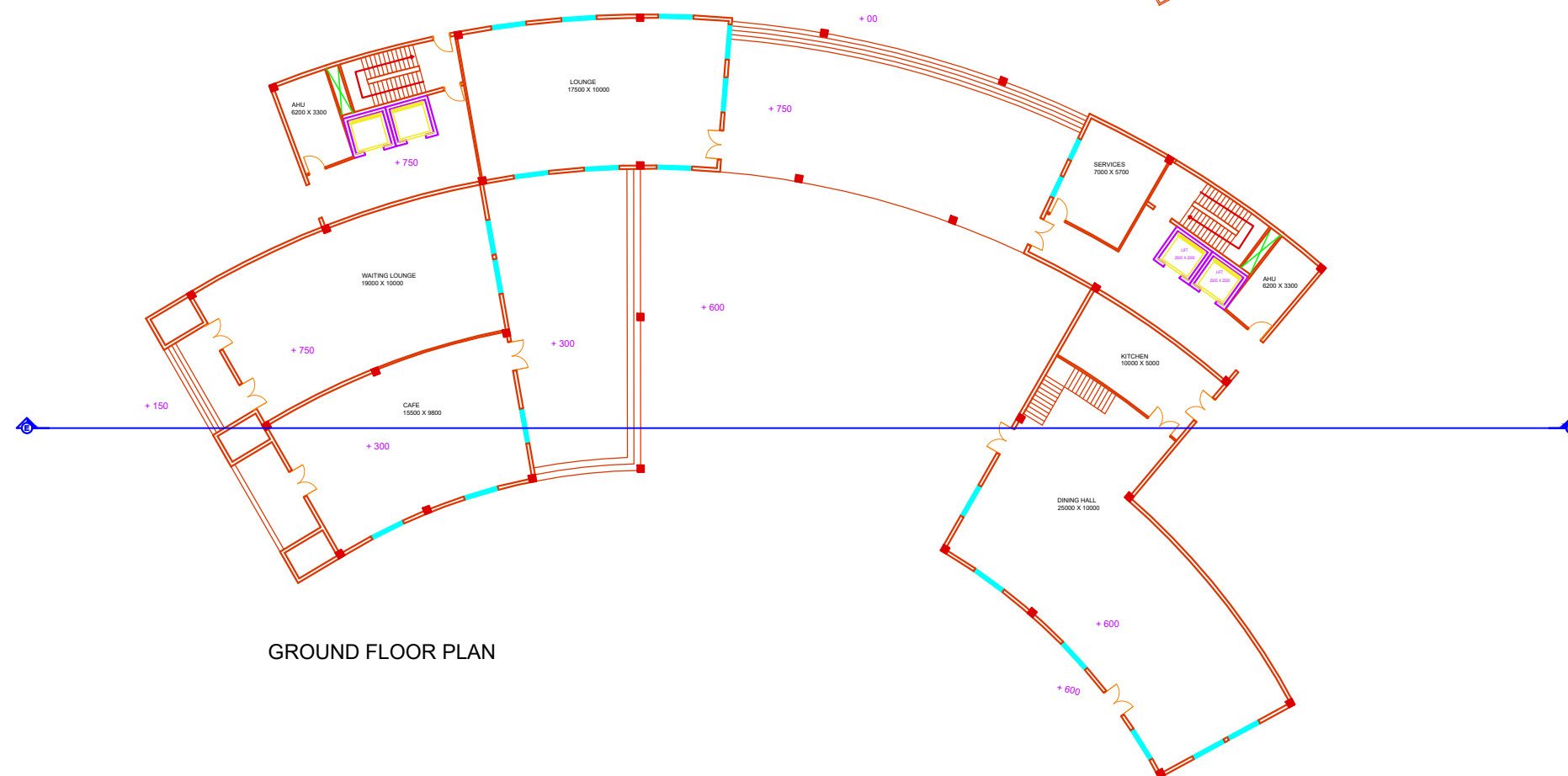
**THESIS GUIDE:-**

**AR. ANSHU RASTOGI**

**INSHA MAZHAR  
1200101013  
B.ARCH - 5TH YEAR, 10TH SEM  
BABU BANARASI DAS UNIVERSITY, LKO.**



FIRST FLOOR PLAN



GROUND FLOOR PLAN

PROJECT:-

MULTIPURPOSE  
CULTURAL CENTRE

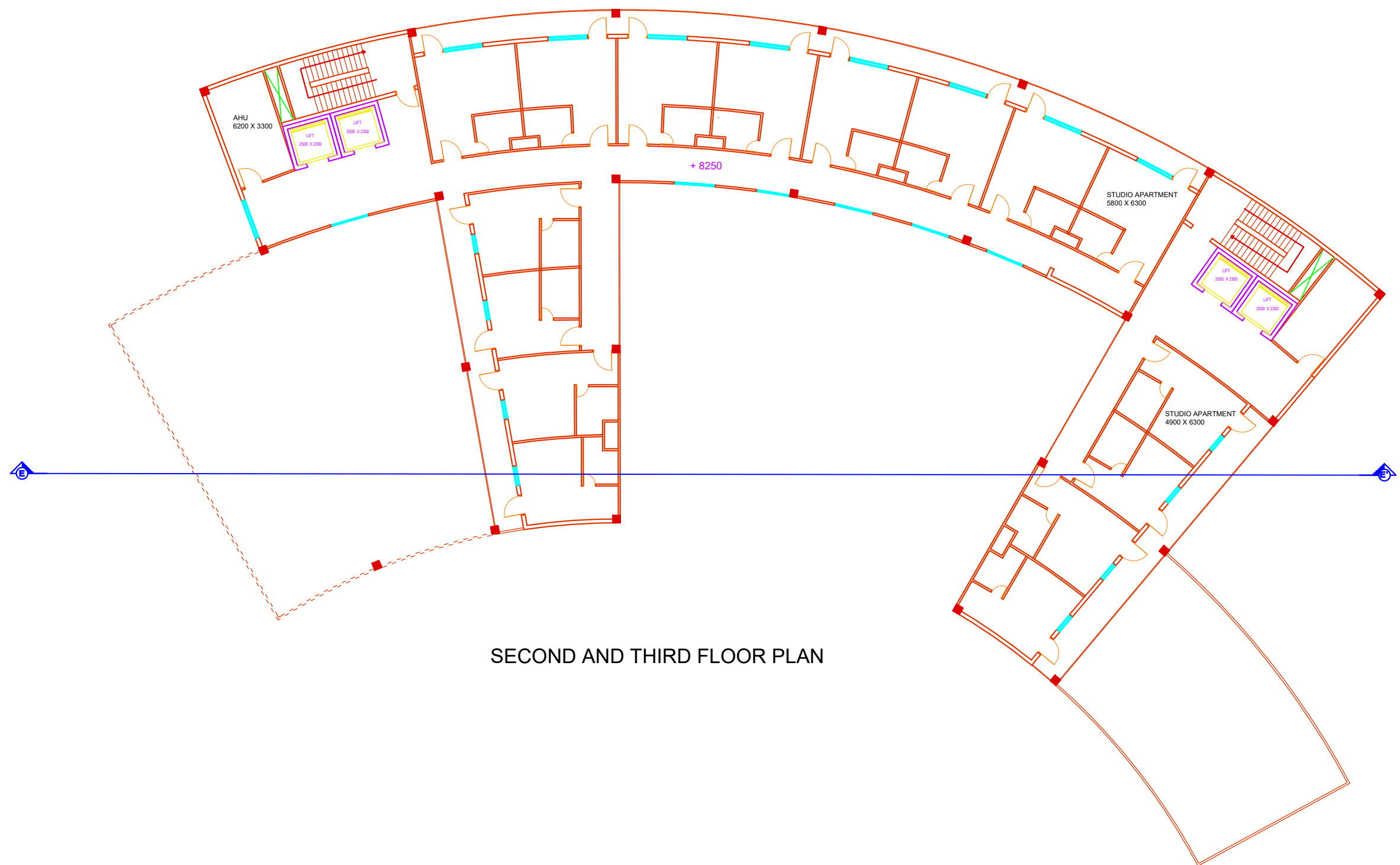
DRAWING TITLE:-

RESIDENCE BLOCK

THESIS GUIDE:-

DR. ANSHU RASTOGI

INSHA MAZHAR  
1200101013  
B.ARCH - 5TH YEAR, 10TH SEM  
BABU BANARASI DAS UNIVERSITY, LKO.



SECOND AND THIRD FLOOR PLAN

PROJECT:-

MULTIPURPOSE  
CULTURAL CENTRE

DRAWING TITLE:-

RESIDENCE BLOCK

THESIS GUIDE:-

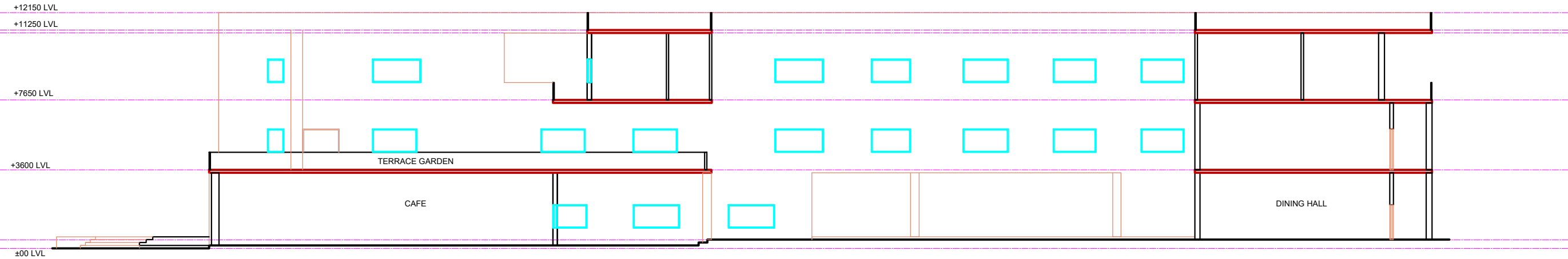
DR. ANSHU RASTOGI

INSHA MAZHAR  
1200101013  
B.ARCH - 5TH YEAR, 10TH SEM  
BABU BANARASI DAS UNIVERSITY, LKO.





VIEWS



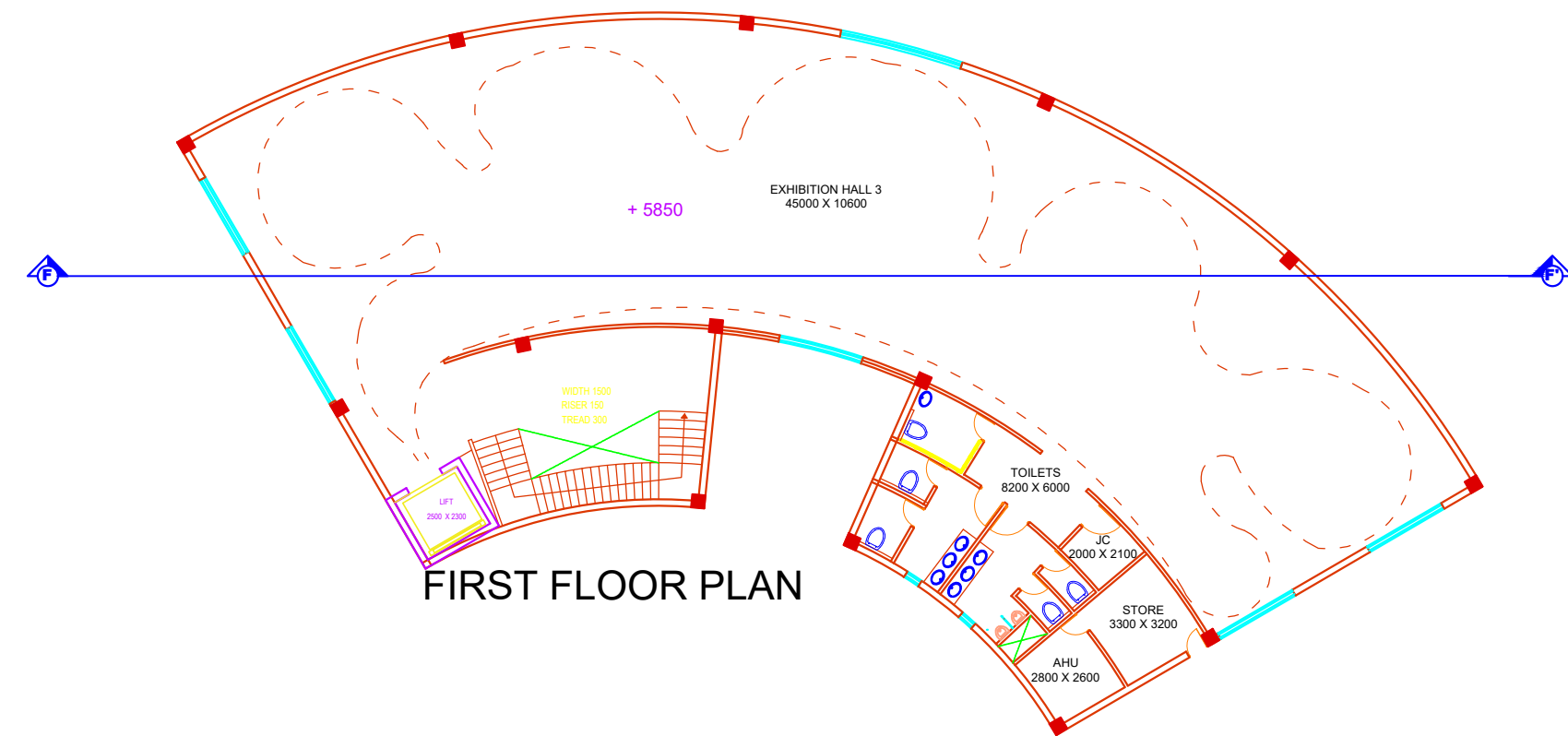
SECTION AT EE'

**PROJECT:-**  
**MULTIPURPOSE**  
**CULTURAL CENTRE**

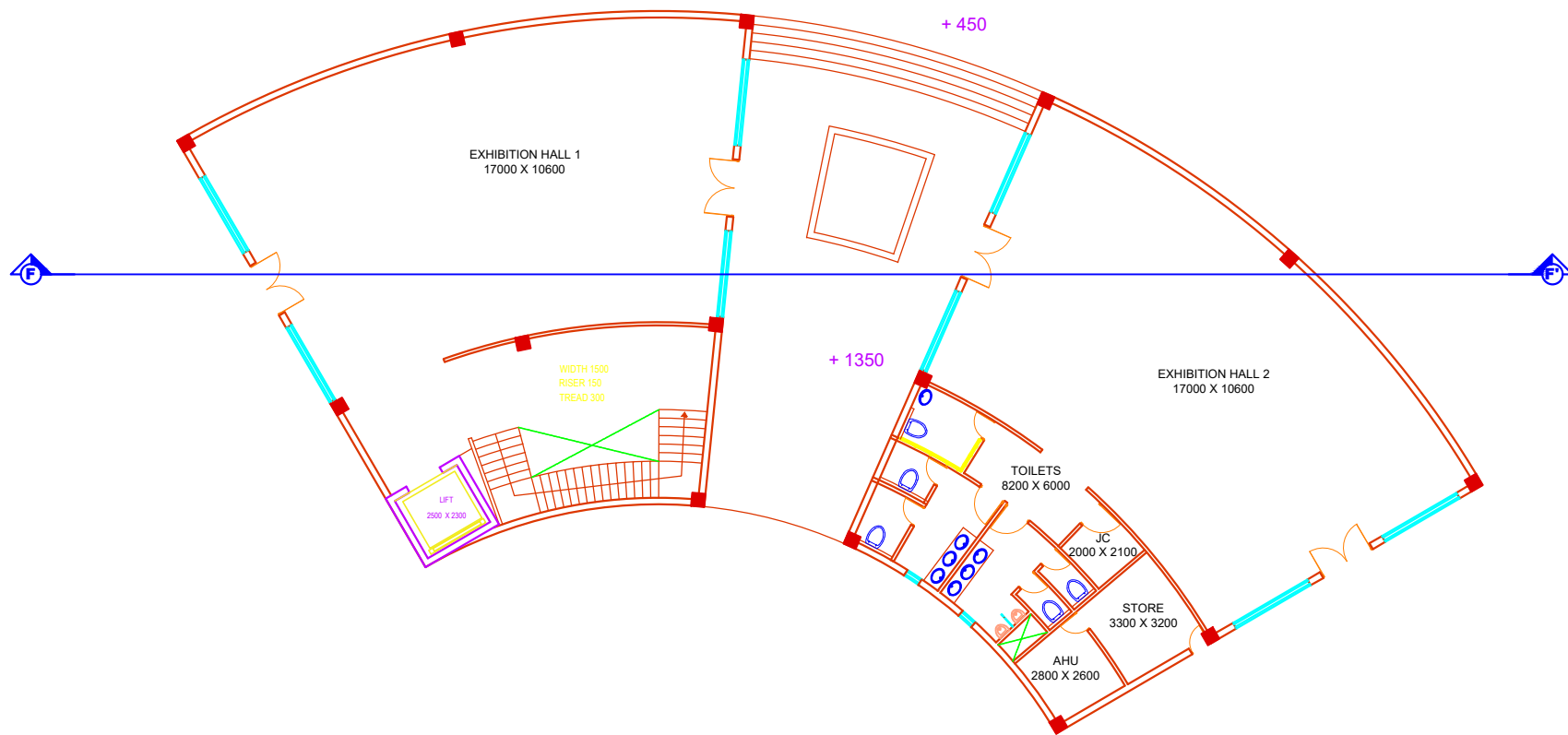
**DRAWING TITLE:-**  
**RESIDENCE BLOCK**

**THESIS GUIDE:-**  
**AR. ANSHU RASTOGI**

**INSHA MAZHAR**  
**1200101013**  
**B.ARCH - 5TH YEAR, 10TH SEM**  
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FIRST FLOOR PLAN



GROUND FLOOR PLAN

PROJECT:-

MULTIPURPOSE  
CULTURAL CENTRE

DRAWING TITLE:-

MUSEUM BLOCK

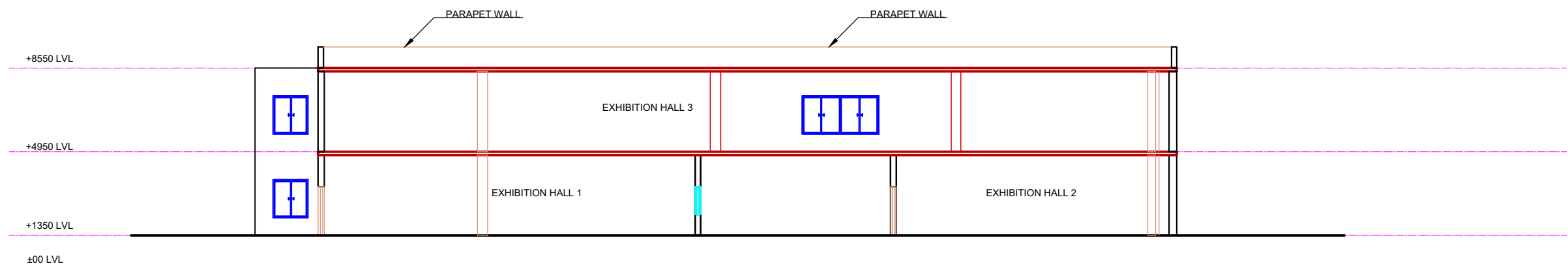
THESIS GUIDE:-

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## VIEWS



## SECTION AT FF'

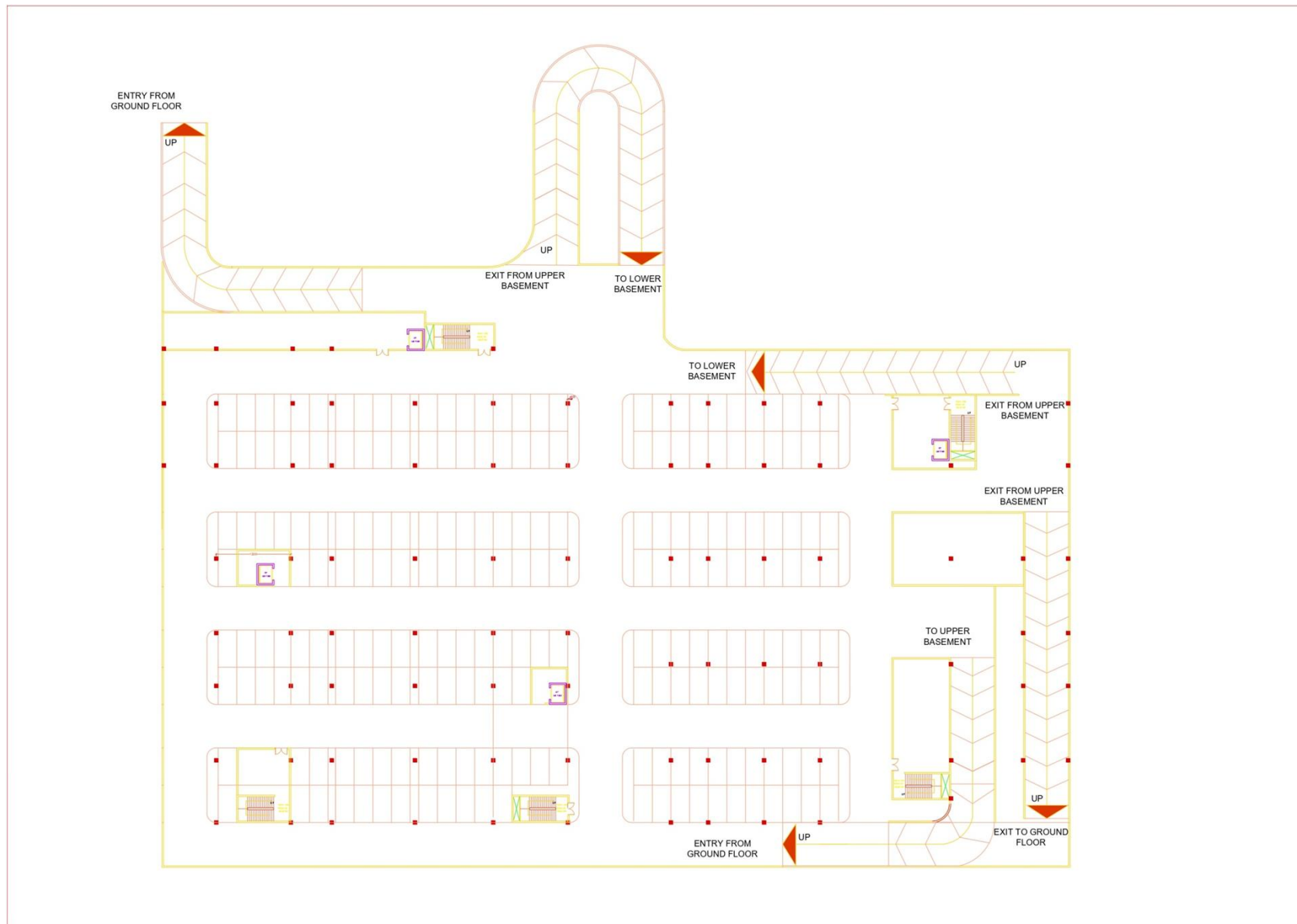
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**MULTIPURPOSE**  
**CULTURAL CENTRE**

**DRAWING TITLE:-**  
**MUSEUM BLOCK**

**THESIS GUIDE:-**  
**AR. ANSHU RASTOGI**

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## AREA CALCULATIONS

Area of Site: 24.9 Acres = 1,00,760 Sq. M.

Area for Socio Cultural Centre: 10 Acres = 40,468.5 Sq.m.

Ground Coverage: 30% of 40,468.5 = 12,140.5 Sq.m.

FAR = 1.2 (Total Built Up Area/ Site Area for Socio Cultural Centre)

Total Built Up Area = 48,562.2 Sq. M.

Parking: 2 ECS/100 Sq.m. Built Area = 972 cars

- Surface Parking for 200 cars: Area = 200x25 = 5,000 Sq.m.
- Basement Parking for 772 cars: Area = 772x30 = 23160 Sq.m.

Achieved Ground Coverage: 20,562 Sq.m

Total Built up Area: 34,684 Sq.m.

Parking provided:  
Basement: 500 cars  
Surface: 250 cars



# MULTIPURPOSE CULTURAL CENTRE (MARKAZ - E - SAQAFAT)





