

THESIS REPORT ON

**PRIMARY SCHOOL IN ORAI
UTTAR PRADESH**

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

BACHELOR OF INTERIOR DESIGN

BY

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UNDER THE GUIDANCE OF

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AR. SHALINI DIWAKER**



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

SESSION 2021-22

CERTIFICATE

I hereby recommend that the thesis entitled “**PRIMARY SCHOOL IN ORAI UTTAR PRADESH**”, prepared by **SARIKA KHAN** under the supervision, is the bonfire work of the student and can be accepted as a partial fulfillment for the award of Bachelor’s Degree in Interior Design, School of Architecture BBDU, Lucknow.

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Recommendation:- Accepted
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External Examiner

External Examiner

ACKNOWLEDGEMENT

Our hard work never shines if do not convey our heart feel gratitude to those people from whom we have got considerable support and encourage during this project.

To start with. First and foremost, gratitude towards almighty GOD for his blessings. Then I would like to thank all my faculty members who have supported and guided me all these memorable 4 years.

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THANKING YOU

SARIKA KHAN

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4. Degree for which the thesis is submitted: **BACHELOR OF INTERIOR DESIGN**
5. Faculty of University to which the thesis is submitted: Yes /No
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DECLARATION

I hereby declare that the work done in this thesis project is my own work and I have collected the data from various sources, which I have duly acknowledged in my report.

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TABLE OF CONTENT

TITLE	PAGE NO
Certificate	2
Acknowledgement	3
Evaluation Certificate	4
Declaration	5
Abstract	8
 CHAPTER 1: INTRODUCTION	 10-12
 CHAPTER 2: SITE ANALYSIS	 14-18
 CHAPTER 3: CASE STUDY	 20-29
 CHAPTER 4: LITERATURE STUDY	 31-39
 CHAPTER 5: STANDARDS	 41- 42
 CHAPTER 6: CONCEPT	 44- 47
 CHAPTER 7: DESIGN DEVELOPMENTS	 49-58
 CHAPTER 8: ELECTIVES	 59- 60
 BIBLIOGRAPHY	

ABSTRACT

This thesis paper concerns about the formation of interior perceptions in primary school. The environment forms , basis of many behavioral traits.

The education spaces must be given utmost importance while keeping mind the standards and principals. It will lead to creating an environment that would be of psychological interest in child development .

The design and structure of the educational space positively impact the children as it helps in both physical and mental growth.

The psychological impacts of interior design on children grasp the youngsters' behavior and emotions.

The employment of these ideas would be beneficial in the children's overall development considering their physical and mental abilities.

It has been recognized for many years that children learn from direct experiences with their surrounding environments.

Considering children spend the majority of their early lives occupying school buildings, the quality of this built environment is important as it is thought to have an impact on their learning, social development and well-being.'

The interior design of school environments, has been constantly evolving with the need for new and improved school buildings coupled with significant changes in education over the past few decades.

use of creative methods, providing an understanding of primary school buildings through the children's eyes, giving them a voice within the research.

CHAPTER - 1

INTRODUCTION

INTRODUCTION

INTRODUCTION OF PRIMARY SCHOOL:

A **primary school**, junior school, elementary school or grade school is a school for primary education of children who are four to twelve years old in which children receive the first stage of compulsory education. Development through emotion creativity and feelings is known as **Primary or Elementary School**.

School is a place that develops a child's mental attitude to face the challenges in life. It's a place where children learn to write and read.

Primary education is the incubator for the next generation of leaders, thinkers, and innovators. The challenge for primary school educators is to prepare young minds and using that knowledge to develop instructional strategies to keep students involved in curriculum materials.

Primary school educators are responsible to deliver standardized learning to meet established standards of education. For primary education providers, it is very easy to see the learners as unique individuals.

Early education is the time to find out a caring and supportive atmosphere that champions individuality while introducing the values of coordination to reach both individual and group goals.

Primary education is measured as the base for the future intellectual developments.

NEED OF PROJECT

Primary school is the foremost and basic right of every child. It is the first step in making of the character of child. The role of primary education is to ensure broad based learning of the child. This includes development of social, cognitive, cultural, emotional and physical skills. This education should be delivered keeping information and entertainment hand in hand.

Primary school should aim at providing rich, stimulating and caring environment in which the child feels happy, safe, secure and confident. Learning at this young age should give birth to creative and enquiring mind.

AIMS AND OBJECTIVES

- To design a school where children can feel free to experience different challenges have interactive learning environment.
- To design a primary school will be both functional and aesthetically pleasing for the users.
- To understand adding flexible and ergonomics furniture.
- To study and understand using graphics and color.
- To design an interior environment that is visually comfortable and stimulating by integrating natural and artificial lighting, and incorporating colors that stimulate or soothe, depending on the space function.
- To understand importance of lighting and acoustics to support various educational functions.

SCOPE

- Primary School The scope of school organization is very vast. It includes; efficiency of the institution, securing benefits of the school through practical measures, clarification of the functions of the school, coordination of the educational programmed, sound educational planning, good direction, efficient and systematic execution.
- It provides close collaboration and sense of sharing responsibilities, organized purpose and dynamic approach.
- Scope of primary school exhibits an infrastructure that is truly impressive. Windows wide to allow for ample amount of cross ventilation and furniture that encourages students to hold a good posture, are some of the many elements that facilitate a healthy learning environment for the students.

USERS OF GROUPS

- Primary users' group- Students
- Secondary users' group- Teachers
- Tertiary users' group –Parents and visitors
- Program -Kindergarten to primary school
Grade K-VIII (Age 4-14 yr. old)

VISUALIZATION

- To creating a space for children to feel like home is the most important thing how to achieve?
- How can an environment encourages are children to socialize and being engaged together?
- What does multifunction means?
- How to insure the children feel better this place.?

METHODOLOGY

- To study the interior design & precautions for the differently abled.
- To study the visitors experience and circulation pattern in spaces.
- To study the techniques and impacts of lighting in an expo.
- Literature study and its inferences.
- Case studies detailed out through analyzed data with inferences.
- Site study and analysis.
- Developing the concept for the design.
- Designing the plans with elevations and sections.
- Implication of the basic services required in the expo.

CHAPTER - 2

SITE ANALYSIS

SITE ANALYSIS

ABOUT CITY

Orai is a city and a municipal board in **Jalaun** district in the Indian state of **Uttar Pradesh**. It is the district headquarters for Jalaun District which is part of Jhansi division. It is situated near Highway NH25 between Jhansi and Kanpur and on Bilrayan-Panwari SH21.

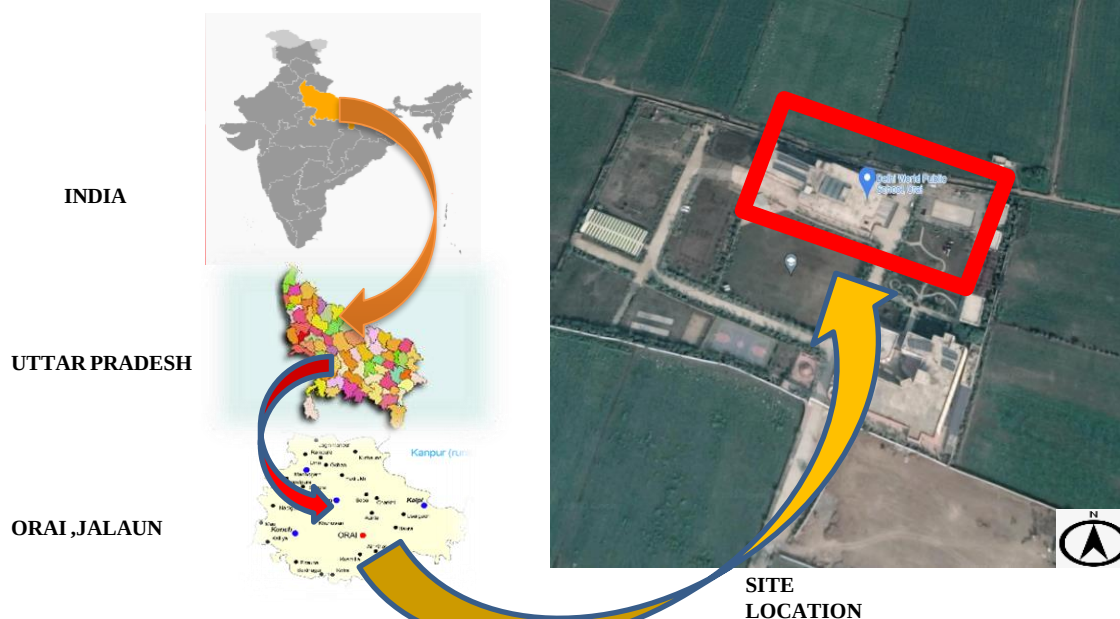
It is located in the Bundelkhand region. River Yamuna flows in its north east side and many other rivers are flowing in its western Side. The two largest towns are **Konch** and **Kalpi**. A small part of it is watered by the Betwa Canal. Grain, oil-seeds, cotton and ghee were exported from here to various other regions. Orai jalaun is known for its specialization in providing Handmade Paper with different designs and patterns in different thicknesses and sizes which are suitable for a variety of decorative purposes.

ABOUT PRIMARY SCHOOL

A **Primary School**, Junior School, Elementary School Or Grade School Is A School For Primary Education Of Children Who Are Four To Twelve Years Of Age. It Typically Comesafter Preschool And Before Secondary School.Institution In Which Children Receive The First Stage Of Compulsory Education, Known As **Primary** Or **Elementary School**.

SITE LOCATION

- Location - The Site Is Located In Orai Jalaun In Uttar Pradesh.
- Address - Delhi Words Public School Orai Ajnari ,Nh-27
Kanpur Jhansi Highway
- Site Area - 9 Acre
- Built Up Area - 40425 Sq Ft
- Longitude - 79.424746e
- Latitude - 25.96403n



EXISTING LANDMARKS NEAR SITE



PRINCIPLE QUARTERS



OUTDOOR PAYING AREA



CANTEEN



SCHOOL BUILDINGS



ASSEMBLY FIELD



ADMINISTER BLOCK BSCD



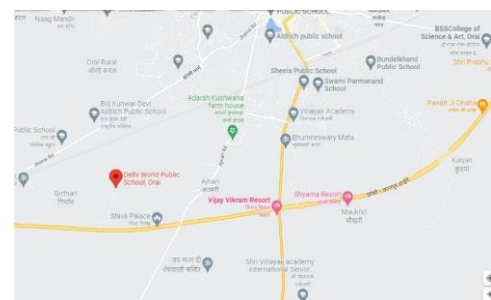
BSCD BUILDINGS

SITE PLAN



ACCESSIBILITY TO THE SITE

- Rath bus stand 2.6km.
- Orai bus stop 7km.
- Local train station 15km.
- Bhua train station 10km.

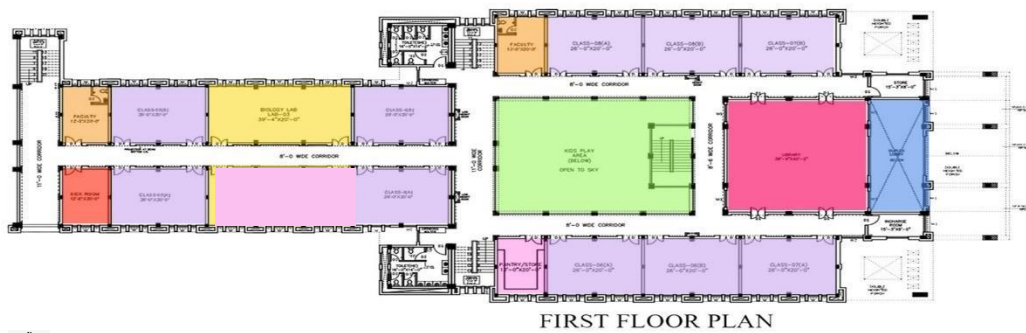


THE SITE IS 700 M AWAY FROM NH 27 HIGHWAY MAIN ROAD
THE SITE IS 160 M AWAY FROM THE SCHOOL GATE

SPACE REQUIREMENT

- RECEPTION AREA
- CLASS ROOMS
- PRINCIPLE OFFICE
- STAFF ROOMS
- MUSIC ROOM
- ART AND CRAFT
- DANCE CLASSROOM
- INDOOR PLAYING ROOM
- LIBRARY
- COMPTUER LAB
- INDOOR PLAYING AREA
- TOILETS
- PANTRY

SITE DRAWINGS

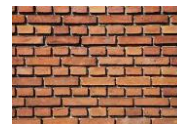


SOURCE OF DATA

- Architect- Ar. Manish Kumar
- Client – Mr. Satrugan Singh
- Site location- Orai , Jalaun Uttar Pradesh
- Site area – 9acre
- Built up area- 40425 sq ft
- Project – Delhi World Public School
- Authority- Orai Development Authority

MATERIAL USED IN INTERIOR

- Exposed brick walls
- Floor finish- Cota stone flooring tiles flooring/ granite floor
- Wooden furniture
- Toughened glass door



EXPOSED BRICK WALLS



Cota Stone

INTERIOR IMAGES OF THE SITE



RECEPTION AREA



PRE- PRIMARY CLASS



INDOOR SPORT ROOM



INDOOR PLAY AREA



PRINCIPLE OFFICE



LIBRARY



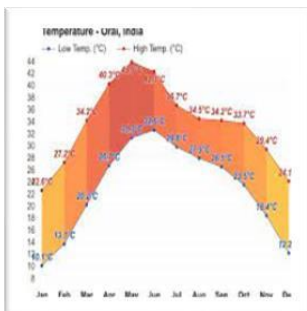
CLASS ROOM



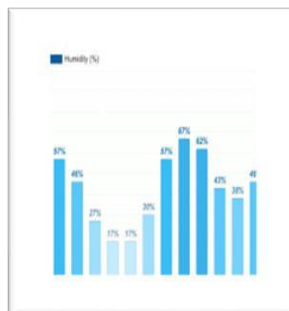
INDOOR KIDS PLAY AREA

CLIMATE DATA

- Orai has a composite climate, with temperatures high in summer and low in winter.
- Orai climate is a wet and dry.
- **TEMPERATURE**: THE warmest month (with the highest average high temperature) is may (43.9°C). THE month with the lowest average high temperature is January (22.6°C).
- **WIND**: The windiest month (with the highest average wind speed) is June (12.7km/h).
The calmest month (with the lowest average wind speed) is November (7.1km/h).
- **HUMIDITY**: The month with the highest relative humidity is August (67%). Months With the lowest relative humidity are April and May (17%).
- **SUNSHINE**: The month with the most sunshine days is December (29.7 days).
The With the least sunshine days is august (5.7 days).
- **RAINFALL**: The month with the highest number of rainy days is August (23.8 days).
The Month with the least rainy days is December (1.2 days).



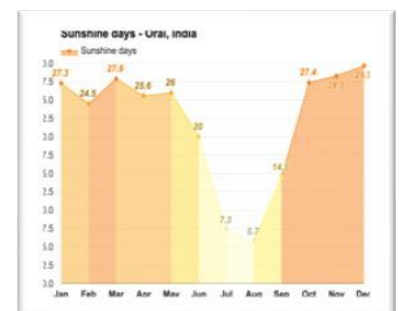
Temperature graph



Humidity graph

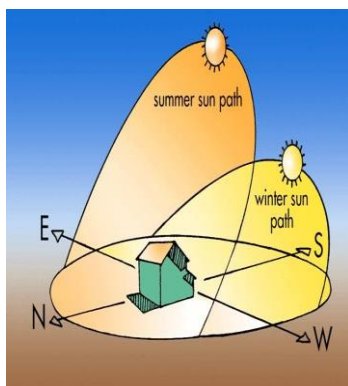


Rainfall days graph

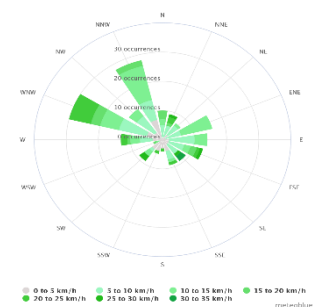


Sunshine days graph

SUNPATH DIAGRAM



WIND ROSE MOVEMENT



The wind rose for Orai shows how many hours per year the wind blows from the indicated direction. Example SW: Wind is blowing from South-West (SW) to North-East (NE)

CHAPTER - 3

CASE STUDY

- Gd Goenka public school (Delhi)
- Sangam elementary school (Rajasthan)

CASE STUDY 1 - G D GOENKA PUBLIC SCHOOL

INTRODUCTION

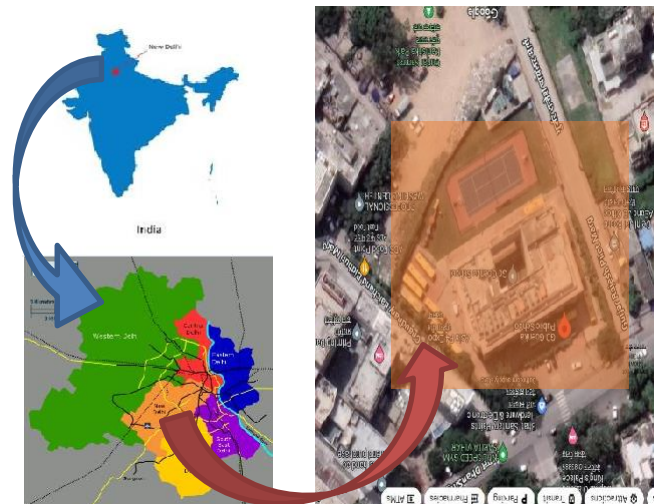
Educational institutions across the globe are designed to facilitate the engagement of the young minds by creating interactive environments that are a blend of study, activity and play areas. The gd goenka groups philosophy is to reinvent the school experience by creating the best physical infrastructure as per global standards coupled with high quality.

Unlike the use of traditional systems such as blackboard etc. The design of the institutional development of a primary school (from kindergarten to class 5) enable these requirements while aiming to

Provide flexibility of spaces by making the building form itself as a part of the learning experience.

PROJECT DETAILS

- **Location:** Gd Goenka Public School is located in Sarita Vihar New Delhi India.
- **Site area :** 4052 Sq.M (43615.78 sq. Ft.)
- **Built-up area :** 3540.72 Sq.M (38112sq.Ft.)
- **Architect :** Goon meet Chauhan
- **Architects firm:** Design Forum International
- **Completion date:** March 2015
- **Latitude :** 28.6139° N
- **Longitude :** 77.2090° E



EXISTING LANDMARK



L BLOCK
PARK



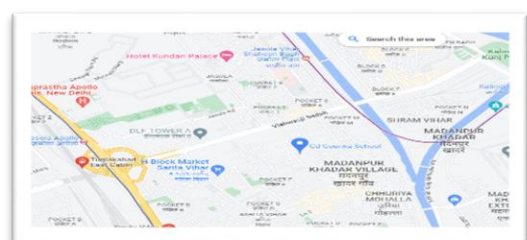
SHRI SHYAM
PHARMA



OM SAI PALACE

ACCESSIBILITY TO THE SITE

- Sarita vihar k block bus station 1.1 km
- Jasola vihar bus stop 600m.
- Madanpur khadar bus stop 1.5km
- Sarita vihar metro station 15km
- Jasola vihar metro station-6.8km



SITE PLAN



SPACE REQUIREMENT

- Entrance gate
- Cafeteria
- Multipurpose court
- Kindergarten
- Classrooms
- Reception area
- Conference area
- Principal office
- Teachers cabin
- Staff room
- Library
- Computer staff
- Toilets
- Art and craft room
- Dance room
- Kids play area

FLOOR PLANS



FIRST FLOOR PLAN



SECOND FLOOR PLAN



THIRD FLOOR PLAN



FOURTH FLOOR PLAN



SECTION AA'



SECTION BB'

ABOUT INTERIORS

The interior color palette comprises of playful primary colors juxtaposed cleverly with biscuit colored brick walls. A yellow accent band that runs horizontally in the corridor further enlivens the spaces within. The doors are designed with circular cut-outs at the height of a child, creating a dynamic play of solid and voids at the child's eye-level allowing the every tots to peak in. A simple c-shaped plan is devised that fulfills the coverage norms and allows for the development of a modular string of well-ventilated, glare-free class rooms, each of which is 6m x 7m.



CIRCULER CUT-OUTS DOOR



LIBRARY



CLASS ROOM



LOBBY

MATERIAL USED IN INTERIOR

- The use of traditional materials like dholpur and agra stone juxtaposed with transient materials like aluminum and heat insulated glass. Aiming to establish an external visual character unlike that of A primary school, and more in sync with the colors of Delhi, the typical brick is done away with in favor of the local dholpur stone along with agra stone and olive green metal on the electricity poles and the gate.
- Floor finish – kota stone and vitrified tiles
- Wall finishes- biscuit color brick walls dholpur stone, insulated glass.
- Ceiling –wooden false ceiling, grid false ceiling fluorescent tube lights used in ceiling.



DHOLPUR STONE



VITRIFIED TILES



KOTA STONE FLOOR

FURNITURE'S

- Wooden furniture
- Crisp line
- Round edge
- Wooden shelves
- Low height and light color furniture



CREAME COLOR SOFA AND
WOODEN CENTER TABLE



SMOOTH EDGES SEATING FOR
PRE PRIMARY CLASSES



SEATING FOR PRIMARY
CLASSES



WOODEN SHELVES IN LIBRARY

SUNPATH DIAGRAM

LIGHTING USED IN INTERIOR

Lighting used in interior

- Natural light
- Led panel 600x600mm , 300x900mm
- Down light
- Tube light



LED PANELS 2'X2'



LED DOWN LIGHT



FLOURSCENT TUBE
LIGHT



INTERIOR IMAGES OF PROJECT



KIDS PLAY AREA



PRINCIPAL OFFICE



RECEPTION AREA



COMPUTER LAB



MUSIC ROOM



CHAIRMEN OFFICE

INFRENCES

- Use of playful primary color and biscuit color brick wall paper.
- The doors are designed with circular cut-outs at the height of a child, creating a dynamic play at the child's eye-level allowing the every tots to peak in.
- A simple c shaped plan and well ventilated and glare free class room each which size is 6mx7m.
- Use of traditional material like Dholpur stone and Agra stone.
- Use of natural light and artificial fluorescent lighting fixture.
- Approach the design was to create modern and interactive learning style that offers both flexibility and functionality.

CASE STUDY -2 SANGAM ELEMENTARY SCHOOL

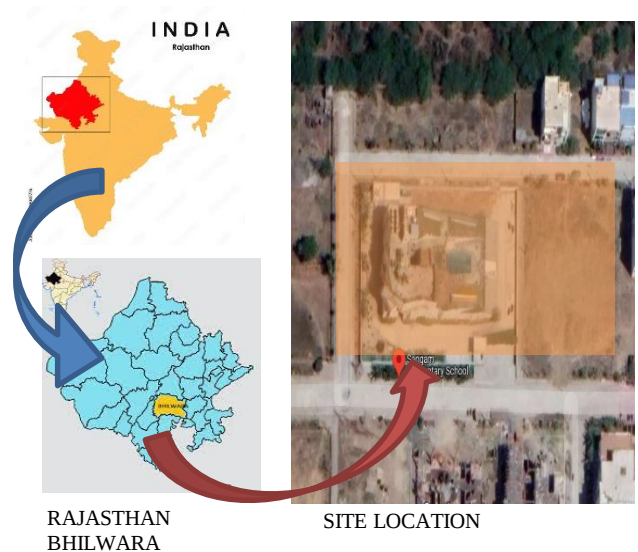
INTRODUCTION

Sangam elementary school incorporates fun child development frameworks for the young, excited, noisy and playful audience. The design is focused on establishing an entity for students, where the built space and environment together becomes A successful tool for learning. Spread across 2600 square meters, sangam elementary school in bhilwara, Rajasthan emulates multiple Indian mythological stories that illustrate the idea of “teaching under the trees in open surroundings.” The concept of education being conducted in open spaces holds great significance in current times given the evident disconnect between city-dwellers And their natural surroundings.

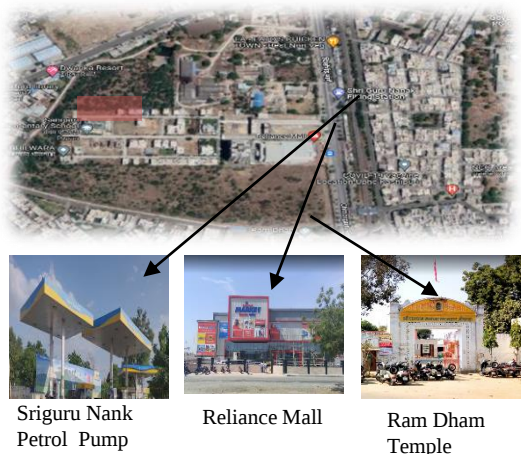


PROJECT DETAILS

- **Project – Sangam Elementary School**
- **Location - Bhilwara, Rajasthan India**
- **Architects- Sferablu Architects**
- **Client – Sangam Elementary School**
- **Area - 2600 M²**
- **Completion Date: 2018**
- **Latitude - 25° 37' 48.00" N**
- **Longitude -74° 55' 48.00" E**



EXISTING LANDMARKS



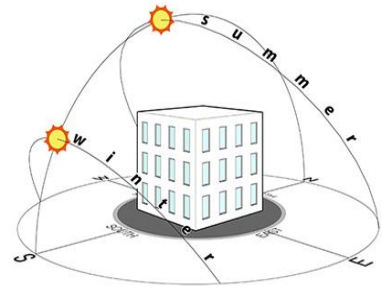
ACCESSIBILITY TO THE SITE

- Ram Dham Choraha Bhilwara Bus Stop 2.1km
- Bhilwara Bus Stop 3.5km.
- Bhilwara Train Station 1.6km.
- Mandapiya Railway Station.



CLIMATE

It is usually hot and dry in summer and cold during the winter: temperature in Rajasthan is very high and it ranges somewhere 32 degree Celsius and 46 degree Celsius. The coldest month o is January. The temperature ranges from 10° C to 27° C. The s receives approximately 90% of its annual rainfall in this season



SUN PATH

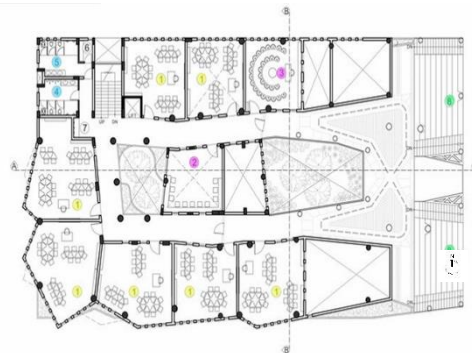
FLOOR PLANS



GROUND FLOOR PLAN

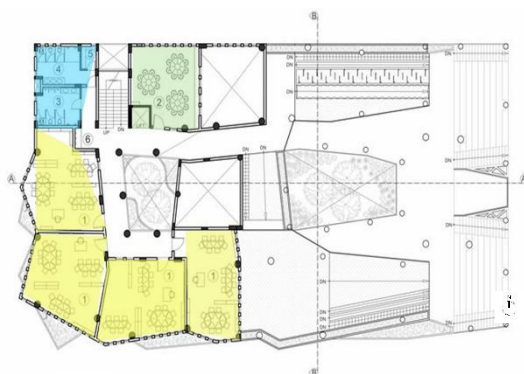
LEGEND

1. Main Entry
2. Pickup Point
3. Security Cabin
4. Parking
5. Stage
6. Entrance Foyer
7. Class Rooms
8. Administration
9. Principle Office
10. Vice Principal Cabin
11. Multipurpose Court
12. Staff Lounge
13. Meeting Room
14. Infirmary
15. Pantry
16. Staff Toilet Gents
17. Staff Toilet Ladies
18. Boys Toilet
19. Girls Toilet
20. Courtyard
21. Support Staff
22. Toilets



LEGEND

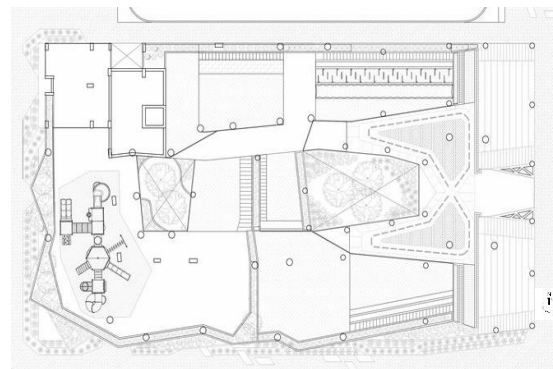
1. Class Room
2. Art And Craft Room
3. Music Room
4. Boys Toilet
5. Girls Toilet
6. Store
7. Water Spout
8. Open Air Theater



SECOND FLOOR PLAN

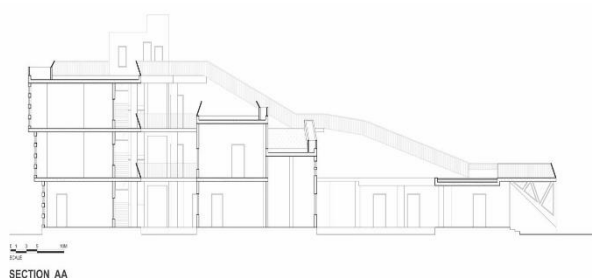
LEGEND

1. Class Room
2. Activity Room
3. Children's Toilet
4. Boys
5. Girls Toilet
6. Store Room
7. Water Spout

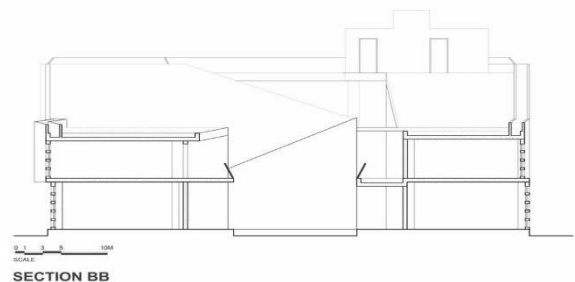


ROOF PLAN

SECTION AND ELEVATION

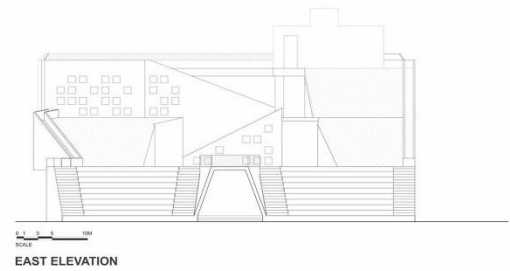
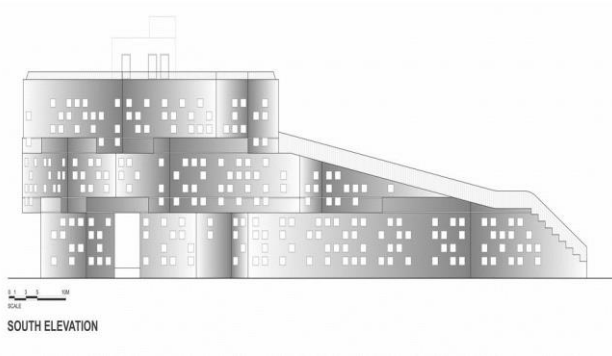


SECTION AA



SECTION BB

ELIVATIONS



ABOUT PROJECT



The form of the building was inspired by a triangular cheese sliver with tiny holes on its sides as seen in cartoons; likewise, the external surface of the building has multiple punctures. The exterior facade has many tiny window panels to maintain visual connectivity with nature and the surroundings. The size of the windows is small to ensure safety and positioning is driven by the height of the students. The students get a view of the outside while sitting at their desks. Each floor is staggered which creates small planters and generates an organic form of the structure.

The building is A three storied structure. The built form is highly perforated and has two courtyards which permit filtered daylight to seep into the corridors. The courtyards help reduce the heat gain and provide efficient air circulation in the entire building, which is essential for the harsh climatic conditions of the region. With the air and diffused light that enter from the top, the inner portion of the building remains cool and well-lit



The building looks like a sloping garden. Near the main entrance is an open amphitheater which is used for activities such as morning prayers, dramas and performances. The size of the plot and space needed for the project left limited peripheral space for essential outdoor activities. This made us repurpose the roof of the entire building into a sloping garden interconnecting each floor. The flat area of the roof is used as a cycling track

MATERIAL USED IN INTERIOR

- Wall finish- light colors used in building paint finish like sky blue, pink, gray white and green colors are used in interiors
- Flooring- vitrified tiles , granite, Cota stone
- Ceiling- false ceiling led lights fluorescent tube lights, fans
- Wooden and trapezium plastic furniture



Low Height Wooden Table



Trapezium Furniture



Open Amphitheater



Indoor Garden



Dance Classroom



Jungle Gym

INTERIOR IMAGES



Class Room



Multi Purpose Hall



Corridor



Library Has Low Height
Study Table With Color
Full Carpet



Open Air Theater



Staff Room

INFRENCES

- Use of bright colors like sky blue pink yellow.
- Uses of standard size kids furniture
- The size of the windows is small to ensure safety and positioning is driven by the height of the students.
- Each floor is staggered which creates small planters and generates an organic form of the structure.

CHAPTER - 4

LITERATURE STUDY

- DPS KINDERGARTEN
- CASSATA PRIMARY SCHOOL

LITERATURE STUDY 1 - DPS KINDERGARTEN

INTRODUCTION

DPS Kindergarten School in Bangalore, a project by Khosla Associates, experiments with a form of sustainability involving screening of sunshine with traditional terra cotta jails and natural ventilation and lighting. The building, based on a concrete module with corrugated sheet metal walls, proclaims a democratic model of schooling.

the current kindergarten facility has 25 classrooms, and with 40 children a class, a total strength of 1000.

The efficiencies of designing and constructing a building so rapidly had to be balanced with what we believed in; creating a warm, playful and welcoming environment for these young children that would be filled with natural light and ventilation.



PROJECT DETAILS

LOCATION - DELHI PUBLIC SCHOOL
Whitefield Mallasandra Village, Hoskote
Bengaluru, Karnataka 560067

AREA - 35000SQFT

ARCHITECTS FIRM- KHOSLA ASSOCIATES

ARCHITECT- Sandeep Khosla, Amaresh Anand

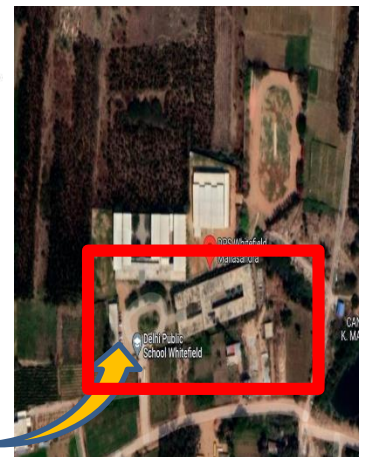
COMPLETION DATE- 2013

LATITUDE - 12.9716° N,

LONGITUDE- 77.5946° E



Bengaluru



Site location

EXISTING LANDMARKS



Canara Bank



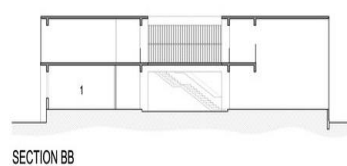
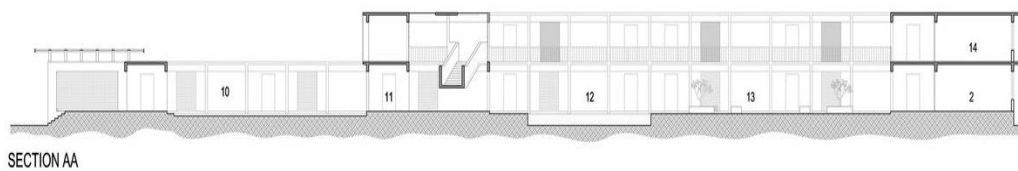
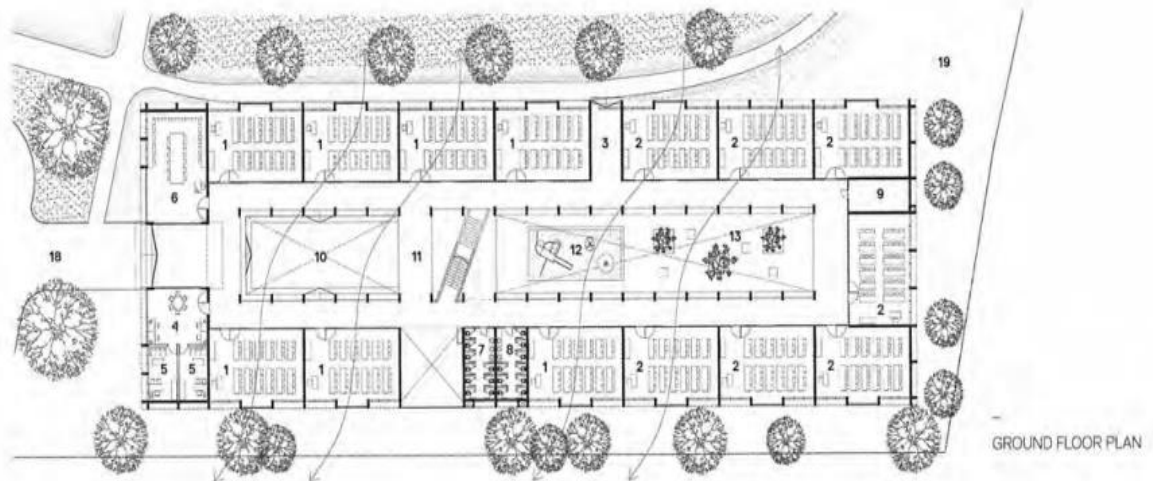
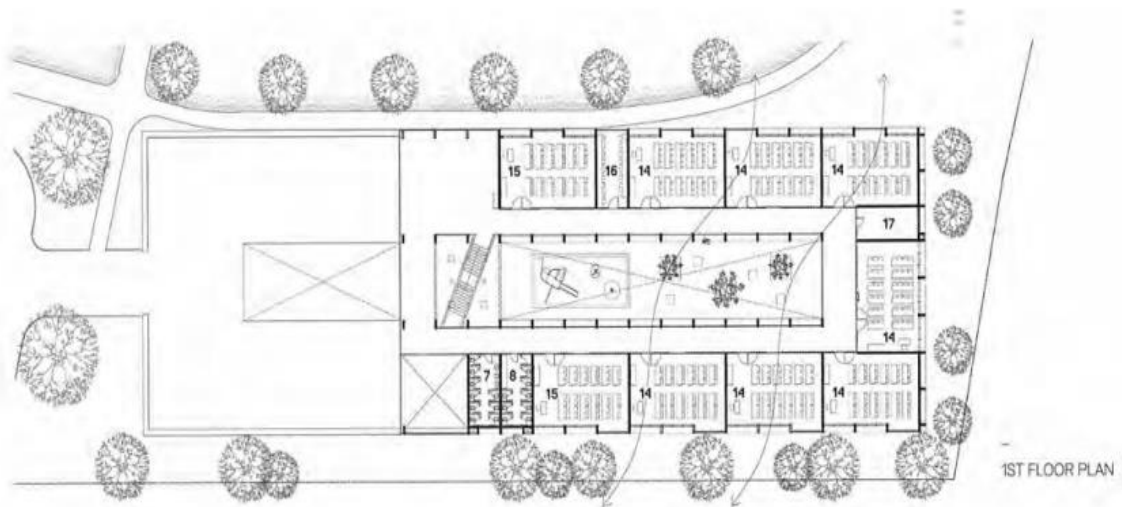
Classic Pet Bissleri
Water

ACCESSIBILITY TO THE SITE

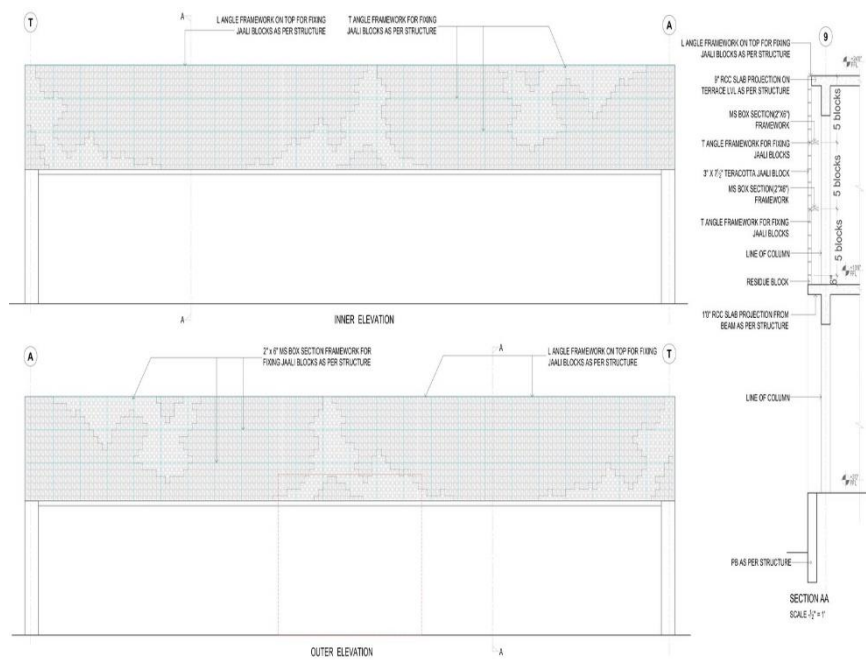
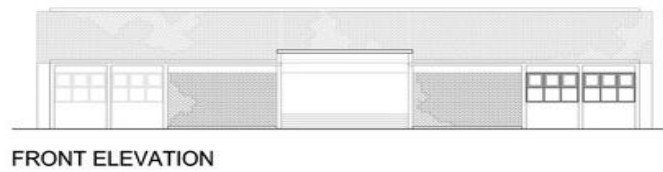
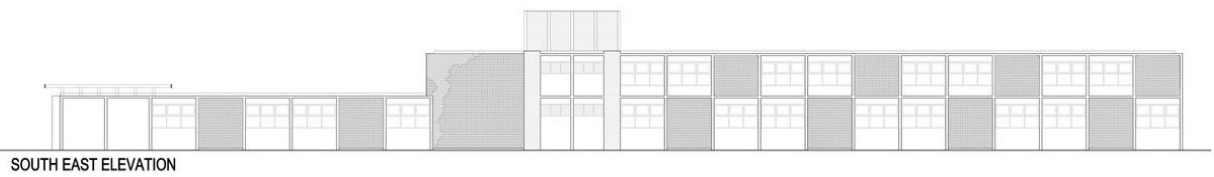
- Mallasandra Bus Stop 750m
- Seegehalli Bus Stop
- Bhktarahalli Bus Stop 1.3km
- Kannamangalla Bus Stop 14km



FLOOR PLAN



ELEVATION



ABOUT PROJECT



Kids playing area



Class Room



Stair Case



Corridor

- The primary challenge was to design and complete construction of the first 35,000 sft. The efficiencies of designing and constructing a building so rapidly had to be balanced with what we believed in; creating a warm, playful and welcoming environment for these young children that would be filled with natural light and ventilation.
- the school's most important group activities take place: assemblies and games, in a paved area with playground equipment and flowerbeds.
- Creating an efficient modular system that we could use as building blocks. We looked at the basic module of a 700 sft classroom (35ft x 20 ft.)
- That could be repeated horizontally, or stacked one atop the other. The classrooms on either side flank an 8ft wide single loaded corridor and open up to a central open- to-sky courtyard.
- In the middle of the floor plan is a concrete stair case linking the ground floor with the first floor. A massive element colored red on the sides
- The simplicity of the repetitive exposed concrete structure is what eventually dictated the design outcome as we added flexible layers onto it.
- The corrugated sheets also gave us the opportunity to play with pattern and use tropical colors typical of the vernacular architecture of the region.



The central open to sky court that runs the entire length of the building is the soul of the school and facilities learning outside the class room

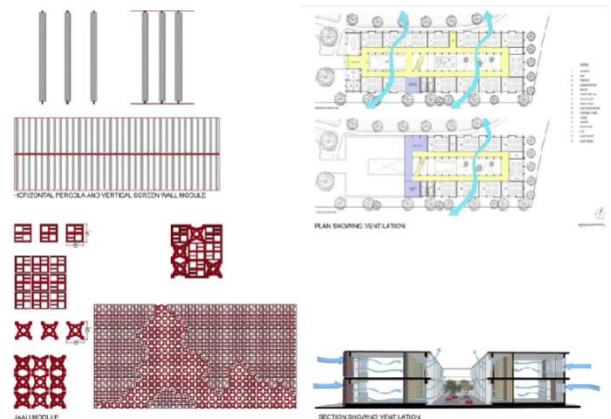


Constructed from two standard types of perforated brick, these decorative screens - referred to locally as jails - reduce the impact of direct sunlight and enable cross ventilation.



A modular concrete framework provides a standard size for the classrooms, which in some places are stacked to create a second storey

- The vernacular terracotta jails (shading and ventilation screens used traditionally in India) that wrap around parts of the building and are included on both sides of each classroom to facilitate adequate cross ventilation from NE to SW.
- The jails cut down the sun especially on the western face of the building where we have effectively used them in breakout areas.



MATERIAL USED IN INTERIOR

- Concrete staircase
- Concrete walls and terra cotta screens
- Concrete structure
- Terra cotta floors

LITERATURE STUDY 2 – CASSATA PRIMARY SCHOOL

INTRODUCTION



- Organizing its program from a child's perspective, the primary school cassata' by Indian studio cadence architects is articulated in a playful manner.
- Cadence designed the school for a compact site in a residential neighborhood of the city and added a decorative frieze on the facade made up of letters with holes in them, such as "e" and "o".
- "The school was conceived [as] a conglomeration of myriad child fantasies," said the architects. "These included letters coalescing to form the elevation, to little nooks and corners for children to hide in, to little peep holes in every door and multiple other experiences.

PROJECT DETAILS

Architects: Cadence

Typology: Institutional

Name of Project. Cassata primary school

Location: Bengaluru, India.

Principal Architect: Smaran Mallesh, Naren Pirgal, Vikram

Design Team: Sangeeta Patrick ,Chaitra Koshy, Gowtham Acharya, Harish Kumar

Site Area (sq. ft. & sq. m.): 3200 sq. ft

Built-Up Area (sq. ft. & sq. m.): 10,500 sq. ft

Ground Coverage: 2500 sq. ft

Start Date: June 2012

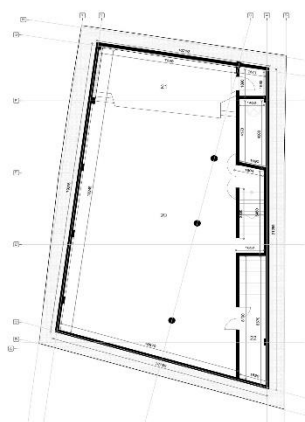
Completion Date: October 2013



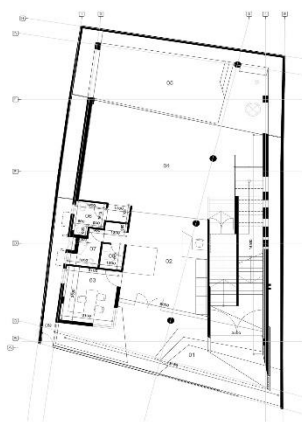
ENTRANCE AND RECEPTION AREA

- The reception is conceived as a portal to the building and designed to be an object in a black space. This colorful assortment featuring several experiences is then connected with a staircase and a special void that cuts through the building in section.
- The entire building has been conceived as a kid's fantasy, flying letters become windows, giant candy shaped objects are conceived as classrooms, circular openings resembling those on a ship, railings that look like fences in a zoo, and even a playful entrance that is like a mouth of a giant etc.

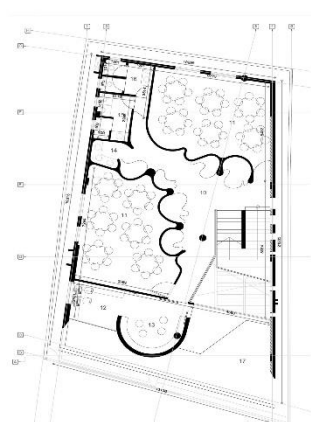
FLOOR PLANS



BASEMENT FLOOR PLAN

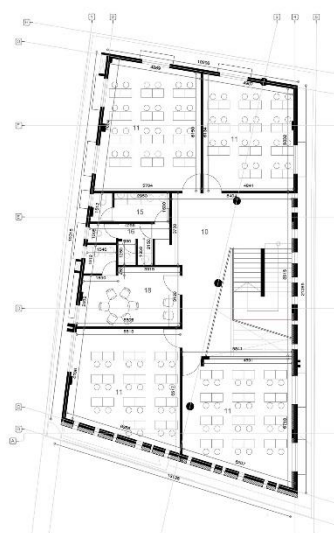


GROUND FLOOR PLAN

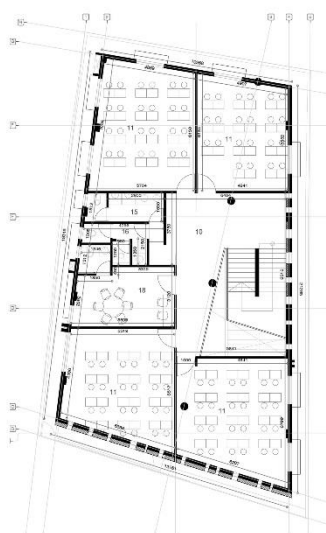


FIRST FLOOR PLAN

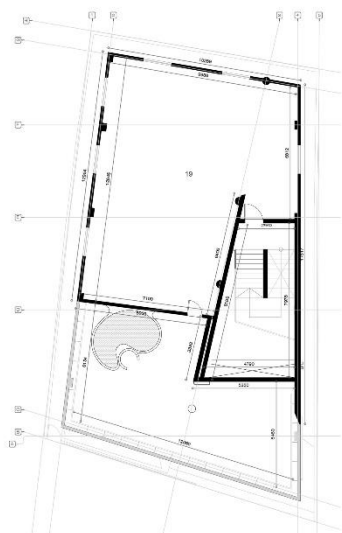
- 01 ENTRANCE
- 02 LOBBY
- 03 PRINCIPAL'S ROOM
- 04 ACTIVITY ROOM
- 05 JUNIOR GYM
- 06 MIDS TOILET
- 07 STAFF TOILET
- 08 SERVICE ENTRY
- 09 COMMON SPACE
- 10 CLASS ROOM
- 11 COMPUTER ROOM
- 12 LIBRARY
- 13 WASH AREA
- 14 BOYS TOILET
- 15 GIRLS TOILET
- 16 LANDSCAPE
- 17 STAFF ROOM
- 18 AUDIO VISUAL ROOM
- 19 TERRACE
- 20 STAGE
- 21 STORE ROOM



SECOND FLOOR PLAN



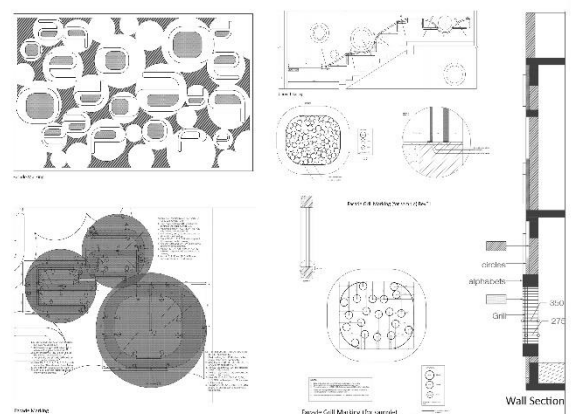
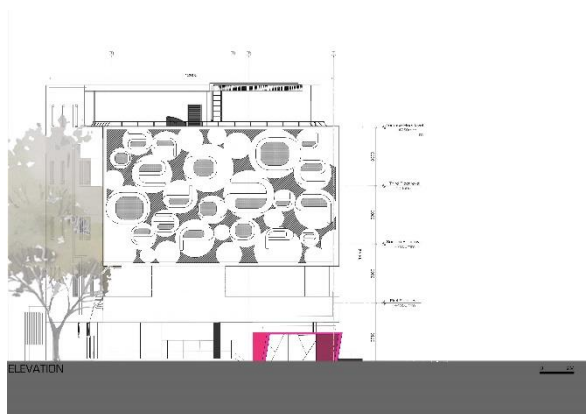
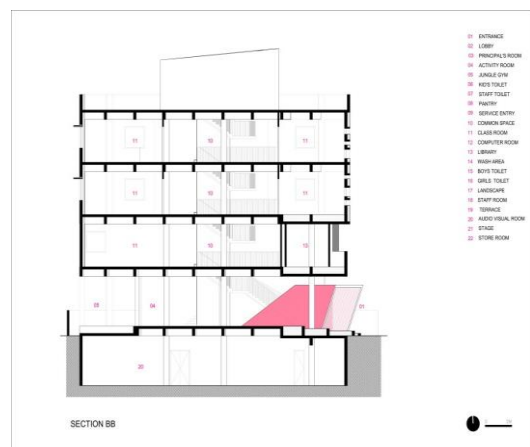
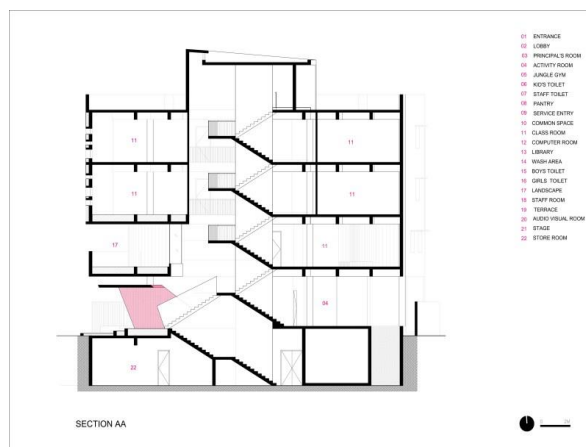
THIRD FLOOR PLAN



TERRACE FLOOR PLAN

- 01 ENTRANCE
- 02 LOBBY
- 03 PRINCIPAL'S ROOM
- 04 ACTIVITY ROOM
- 05 JUNIOR GYM
- 06 MIDS TOILET
- 07 STAFF TOILET
- 08 SERVICE ENTRY
- 09 COMMON SPACE
- 10 CLASS ROOM
- 11 COMPUTER ROOM
- 12 LIBRARY
- 13 WASH AREA
- 14 BOYS TOILET
- 15 GIRLS TOILET
- 16 LANDSCAPE
- 17 STAFF ROOM
- 18 AUDIO VISUAL ROOM
- 19 TERRACE
- 20 STAGE
- 21 STORE ROOM

SECTIONS AND ELEVATION



INTERIOR IMAGES



Colorful waiting area with reception



Staircase and railing look like fences in zoo



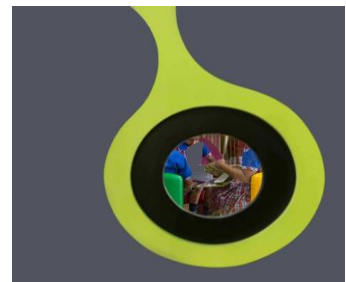
Corridors have striped walls



Ms. patterned bubble grills window



Flexi ply and gypsum for used in ceiling



Peep holes on the doors

MATERIALS

- An intrinsic collage of patterns, colors, and materials are crafted into a remarkable edifice for the kids.
- Ferro-concrete is used for the construction of the letters.
- MS for the patterned bubble grills,
- Striated paint strips for the library,
- Kota and vitrified tiles have been used for the interior floors,
- Flexi ply and gypsum for the furniture and ceiling etc.

INFERANCES

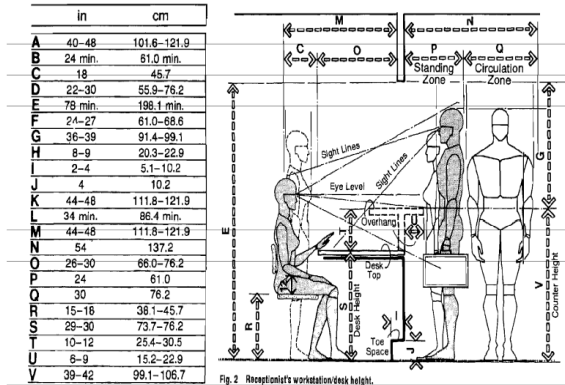
- Green is a color that has been used to bring in vibrancy to space.
- Pink has been used in contrast to creating a calming atmosphere in the otherwise charged.
- kota and vitrified tiles have been used for the interior floors, flexi ply and gypsum for the furniture and ceiling etc.
- using various shapes has been to create a graphic space, where each space would become a pedagogical tool

CHAPTER - 5

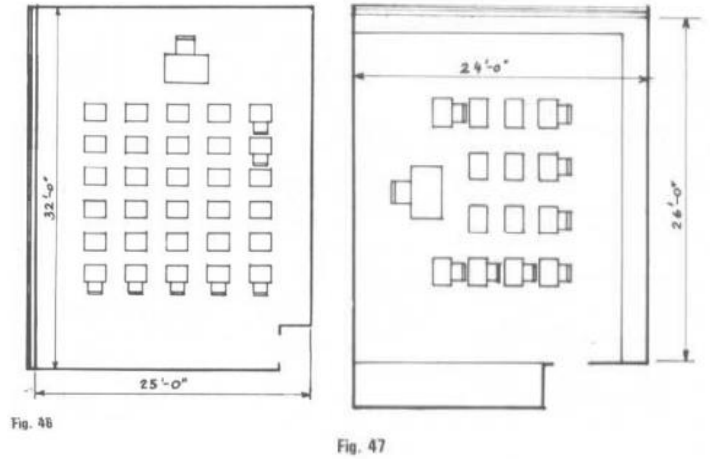
STANDARDS

STANDARDS FOR PRIMARY SCHOOL

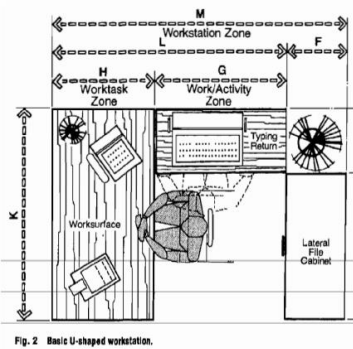
RECEPTION AREA



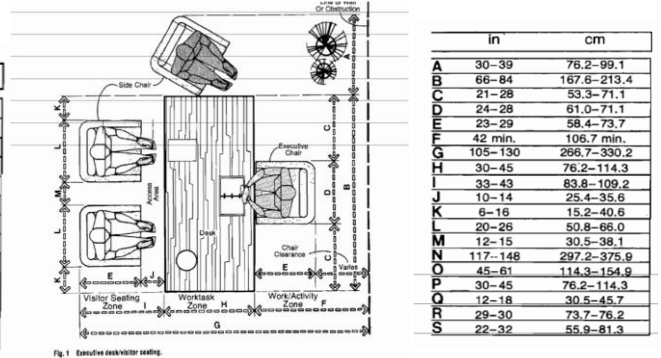
CLASS ROOM



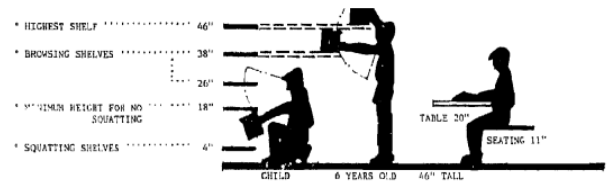
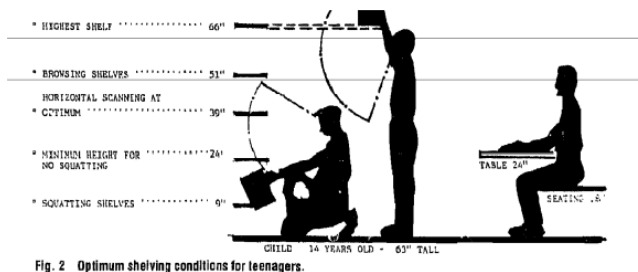
OFFICE



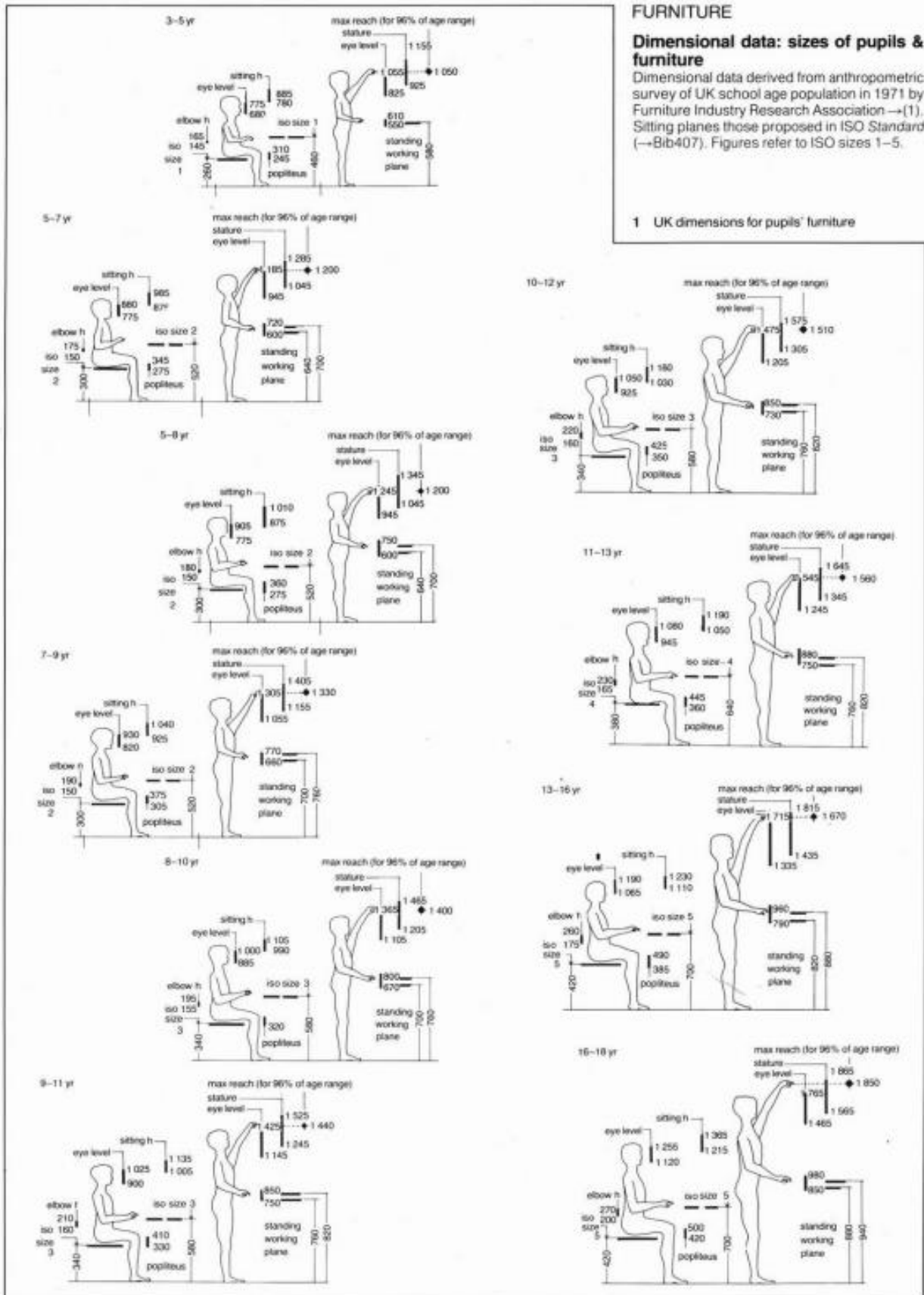
	in	cm
A	26-27	66.0-68.6
B	14-20	35.6-50.8
C	7.5 min.	19.1 min.
D	29-30	73.7-76.2
E	7 min.	17.8 min.
F	18-24	45.7-61.0
G	46-58	116.8-147.3
H	30-36	76.2-91.4
I	42-50	106.7-127.0
J	18-22	45.7-55.9
K	60-72	152.4-182.9
L	76-94	193.0-238.8
M	94-118	238.8-299.7



LIBRARY



FURNITURE STANDARDS



CHAPTER - 6

CONCEPT

CONCEPT

A **primary school**, junior school, elementary school or grade school is a school for primary education of children who are four to twelve years of age. It typically comes after preschool and before secondary school. Institution in which children receive the first stage of compulsory education, known as **primary** or **elementary school**.

CONCEPT

“CHILD FRIENDLY LEARNING ENVIRONMENT”

- **Child friendly learning environment** is an innovative concept towards qualitative improvement in education, though developing child - friendly, learning and fun based physical environment building in a school infrastructure.
- Child friendly schools cfs concept to create a secure and comfortable learning place for all pupils and staff.
- Child friendly is way to holistically plan and use the school infrastructure . it incorporates the idea of activity based learning, child friendliness.
- A child friendly school serve children of different age groups.

**SAFE
HEALTHY
COMFORTABLE
SECURE
NEEDS**



THEME

MODERN STYLE

Modern interior design is defined by its simple, minimalistic aesthetic with a focus on functionality. The combination of light colors and clean lines creates a comforting environment, appealing to the fast paced, high stress modern schools typically have a simplistic design with light neutral colors, wood tones, and pops of bright accents. The schools are designed to allow an abundance of natural light and provide views to the outside in order to capture the culture and landscape of the surrounding area. Use of varying visual and tactile textures is common in modern design

ELEMENTS OF MODERN STYLE

- SIMPLICILTY
- POP BRIGHT COLORS
- FURNITURE WILL BE OF CLEAN LINES WITH SMOOTH AND SLEEK SURFACE.
- NETURAL MATERIALS
- REFLECTIVE SURFACE
- CRISP LINES



BRIGHT COLORS



USE SMOOTH EDGES
FINISH FURNITURE.

MOOD BOARD

- Wall finish – paints finish, wall papers
- Finishing material- laminates, paint
- Flooring- kota stone, vitrified tiles wooden vinyl flooring, rubber flooring
- Ceiling - grid ceiling ,gypsum board
- Lighting - led lights, fluorescent light
- Furniture- wooden and plastic
- Doors - sliding glass door,
- Plants - indoor plants



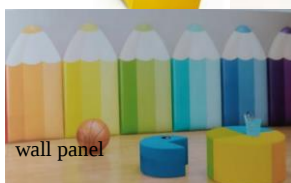
SOFT SEATING



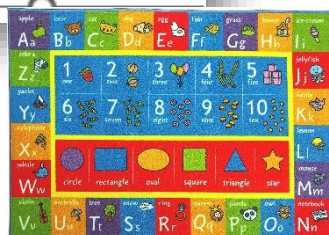
PLANTS



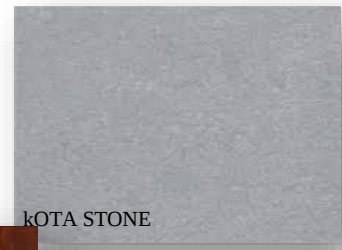
WOODEN SHELVES



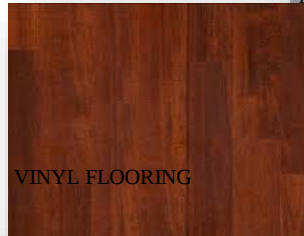
wall panel



CARPET



KOTA STONE



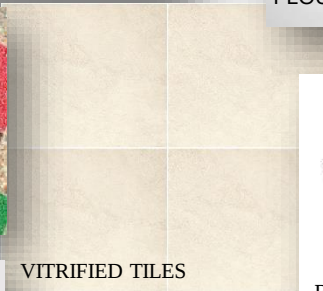
VINYL FLOORING



FLOURSCENT LIGHT



RUBBER FLOORING



VITRIFIED TILES



BLACK GRANITE



LED PANEL



DOWN LIGHT



GRID CEILING



CLASS SEATING

ROOM

ARI-1025



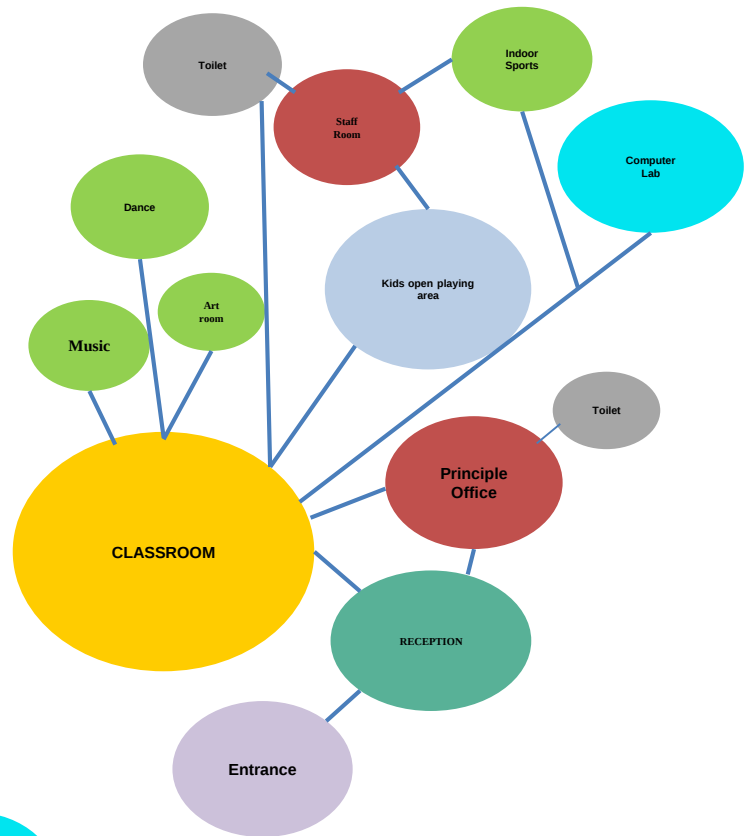
furniture

BUBBLE DIAGRAM

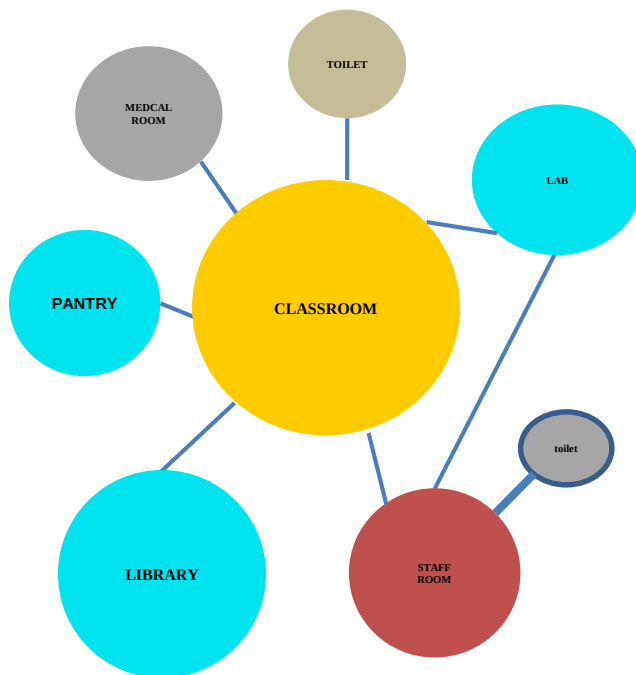
REQUIREMENTS

- Reception area
- Class rooms
- Principle office
- staff rooms
- Music room
- Art and craft room
- Dance activity
- Indoor sports
- Library
- Computer lab
- Indoor playing area
- Toilet
- Pantry

BUBBLE DIAGRAM



GROUND FLOOR BUBBLE DIAGRAM



FIRST FLOOR BUBBLE DIAGRAM

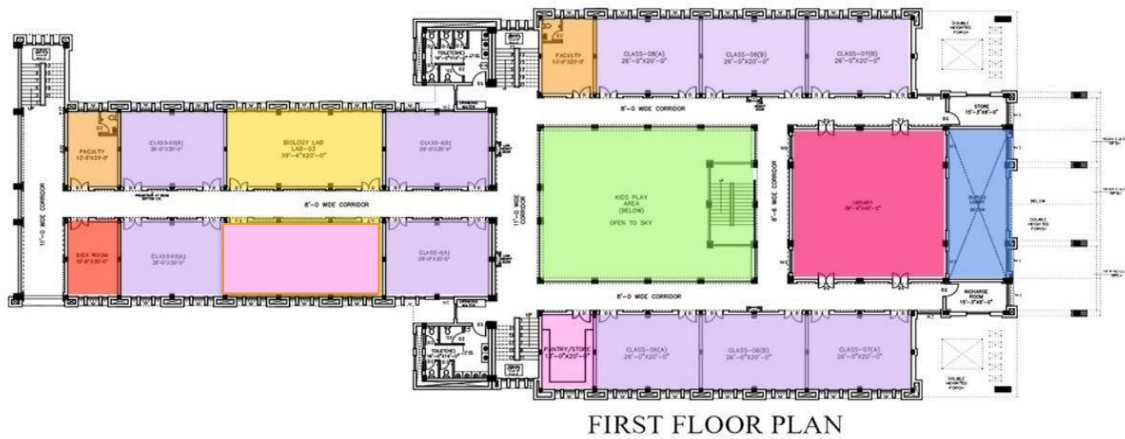
- CLASS ROOM
- ACTIVITY AREAS
- PRINCIPLE /TEACHER OFFICE
- RECEPTION
- TOILETS
- COMMON AREAS
- OPEN KIDS PLAYING AREA

GROUND FLOOR ZOINING



- RECEPTION AREA
- PRINCIPLE OFFICE/STAFF ROOM
- PRE- PRIMARY CLASS ROOM
- ACTIVITY ROOM
- COMPTUER LAB
- INDOOR PLAYING AREA
- TOILET
- STAIRS
- POARCH

FIRST FLOOR ZOINING

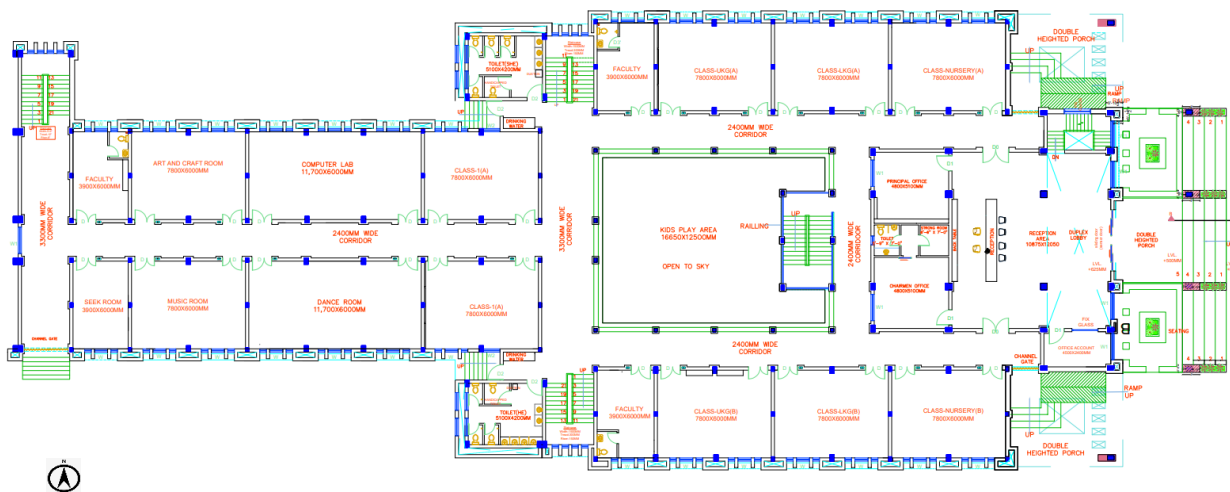


- LIBRARY
- STAFF ROOM
- PRIMAY CLASS ROOM
- PANTRY
- LABORATORY
- MEDICAL ROOM
- TOILET
- STAIRS

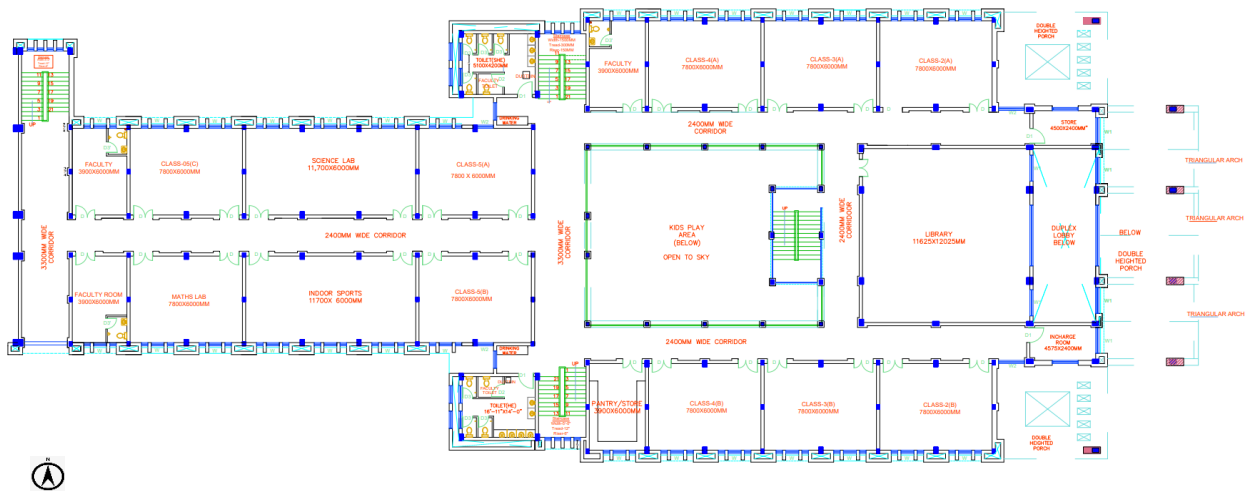
CHAPTER - 7

DESIGN DEVELOPMENT

FLOOR PLANS

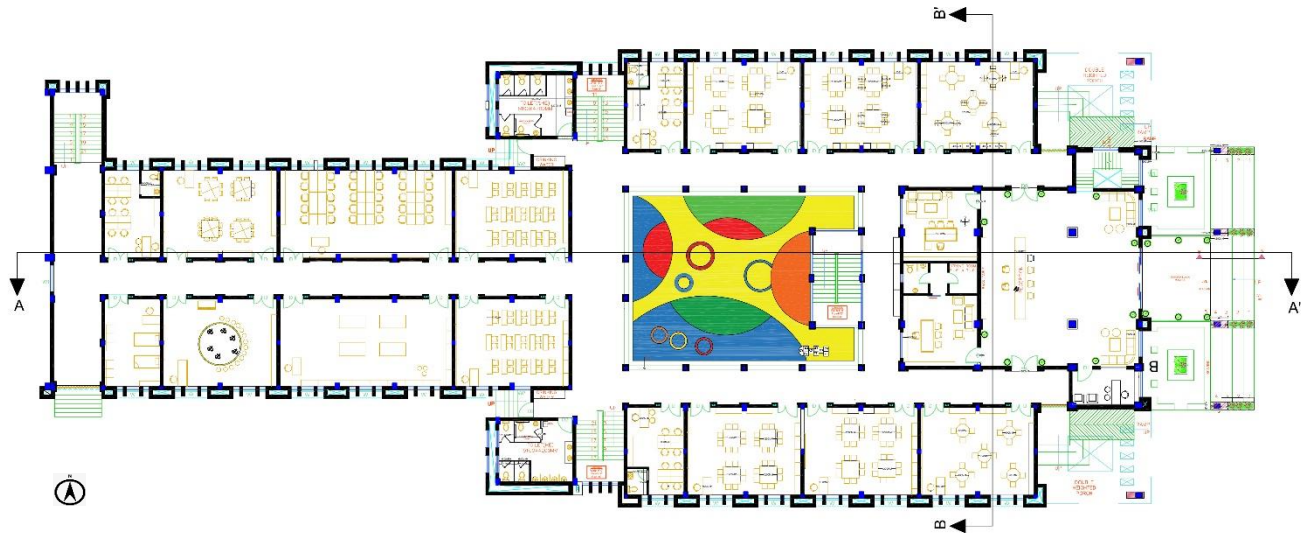


GROUND FLOOR PLAN

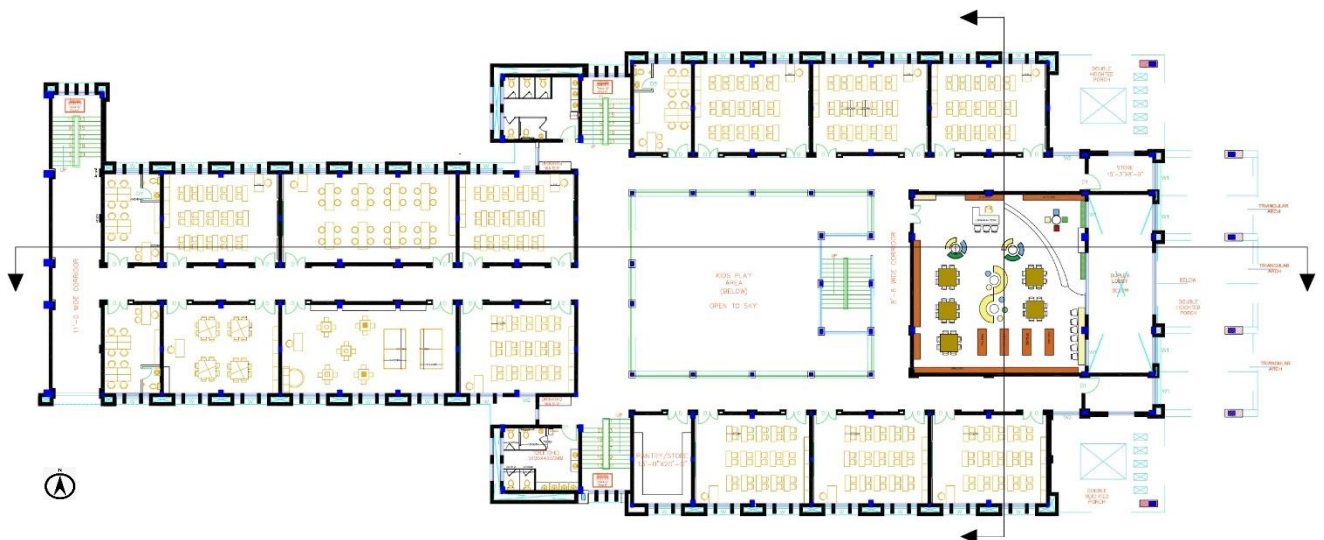


FIRST FLOOR PLAN

FURNITURE LAYOUT



GROUND FLOOR PLAN

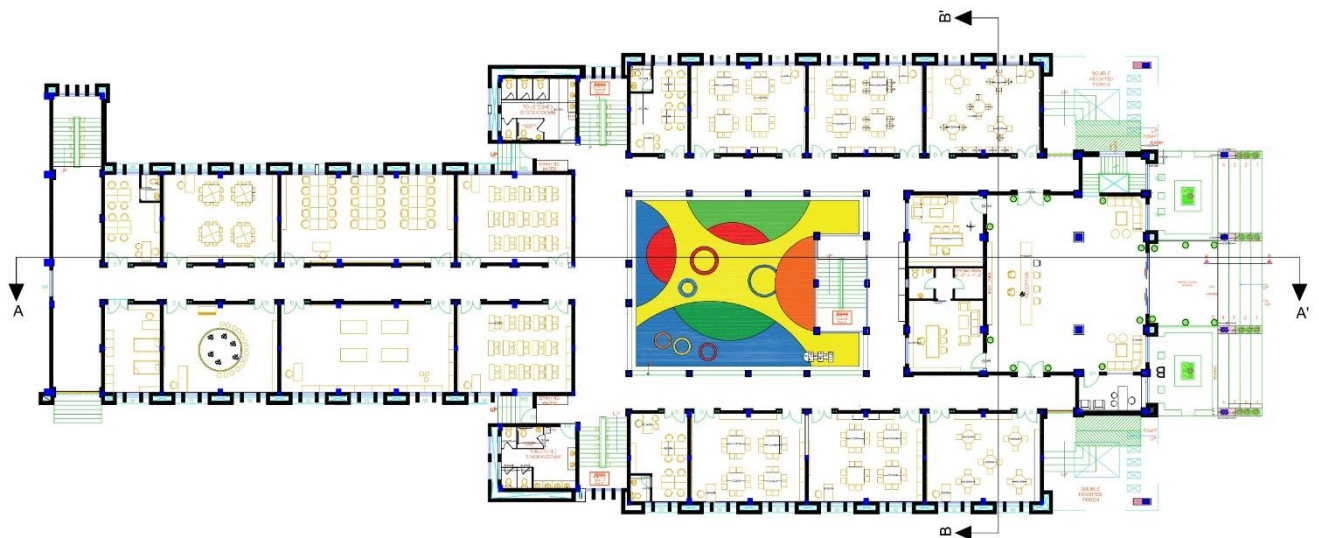


FIRST FLOOR PLAN

SECTIONAL ELEVATION



SECTIONAL ELEVATION AA'



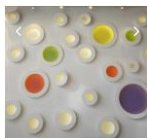
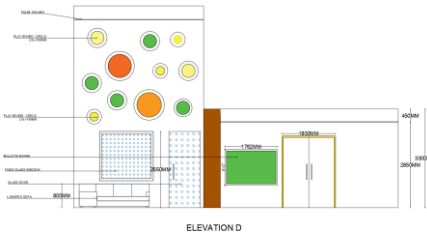
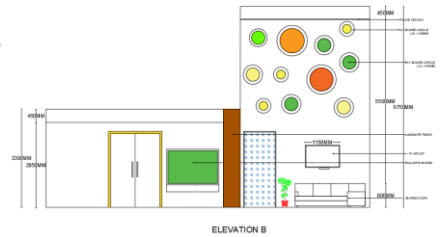
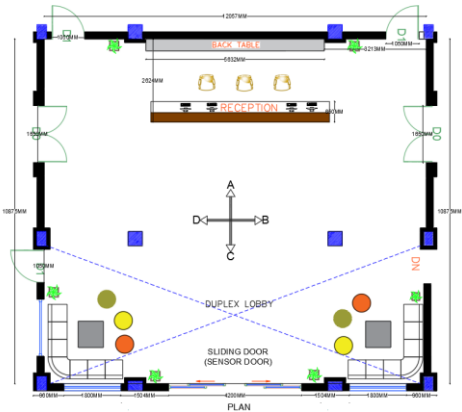
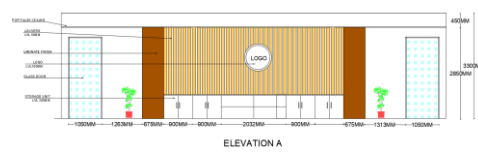
SECTIONAL ELEVATION BB'

FLOOR PLANS WITH ELEVATION

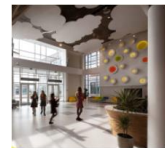
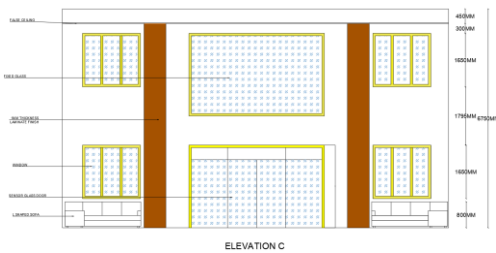
RECEPTION AREA



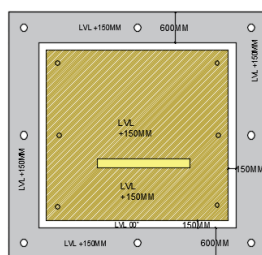
Pvc Louvers Panel



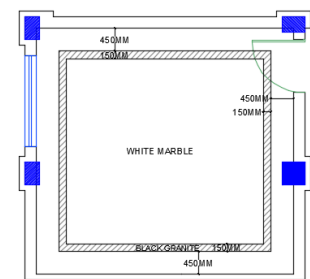
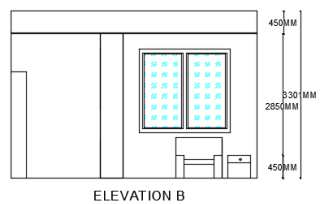
Ply Board Wall Panel



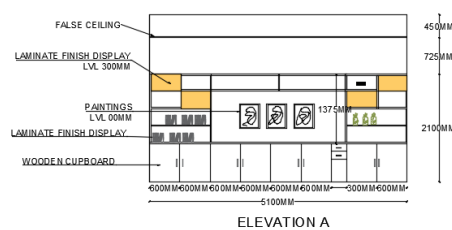
PRINCIPAL OFFICE



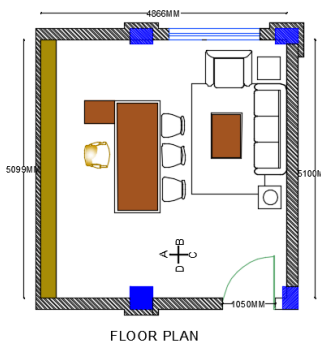
CEILING PLAN



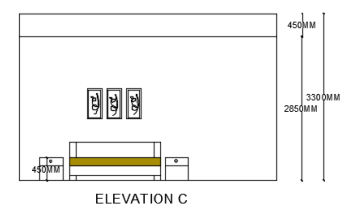
FLOORING PLAN



ELEVATION A



FLOOR PLAN

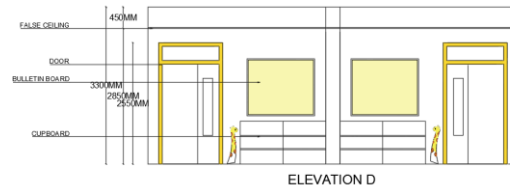
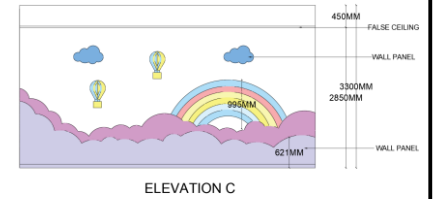
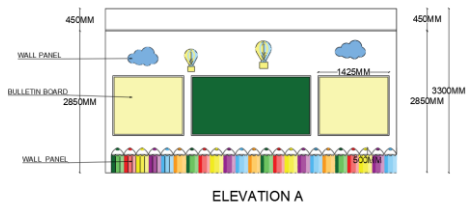
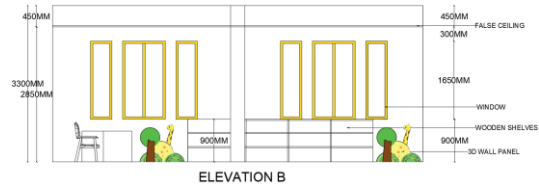


ELEVATION C

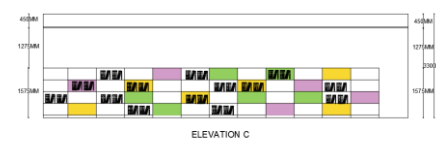
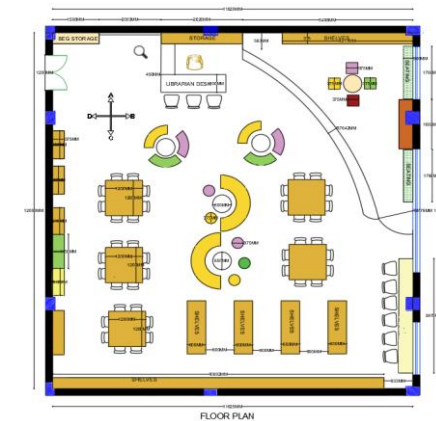
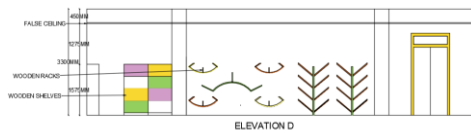
PRE –PRIMARY CLASS ROOM



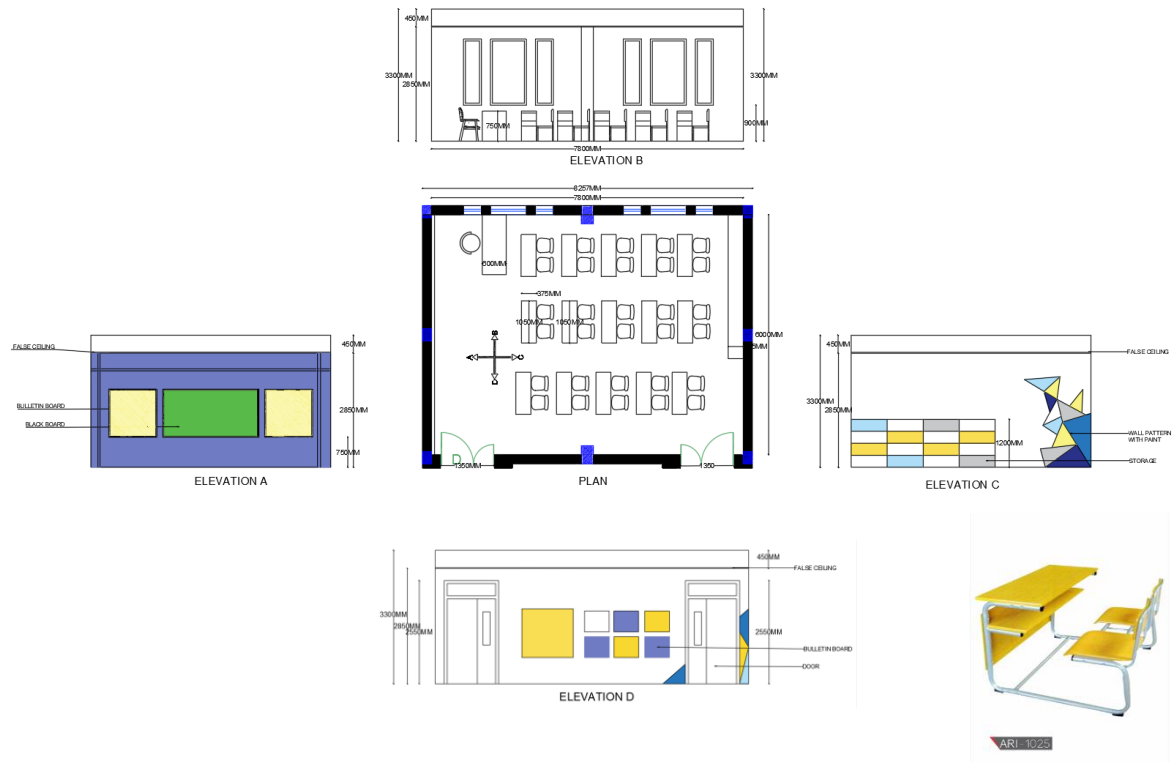
PVC 3d Wall Panel



LIBRARY



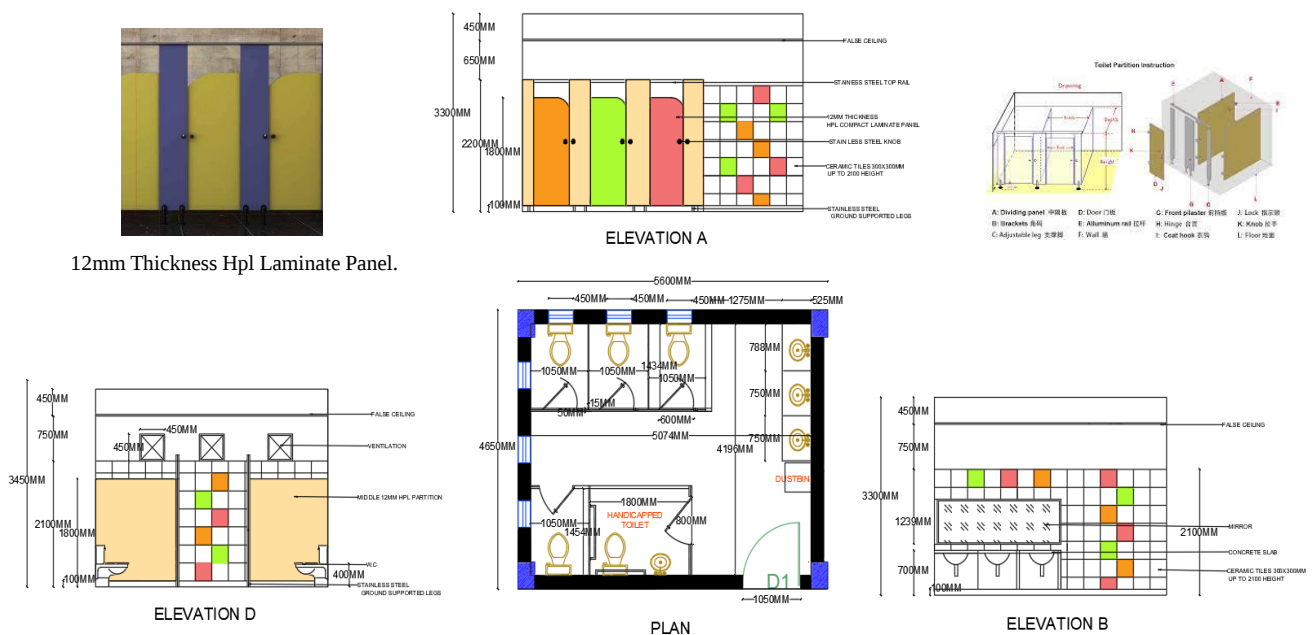
PRIMARY CLASS ROOM



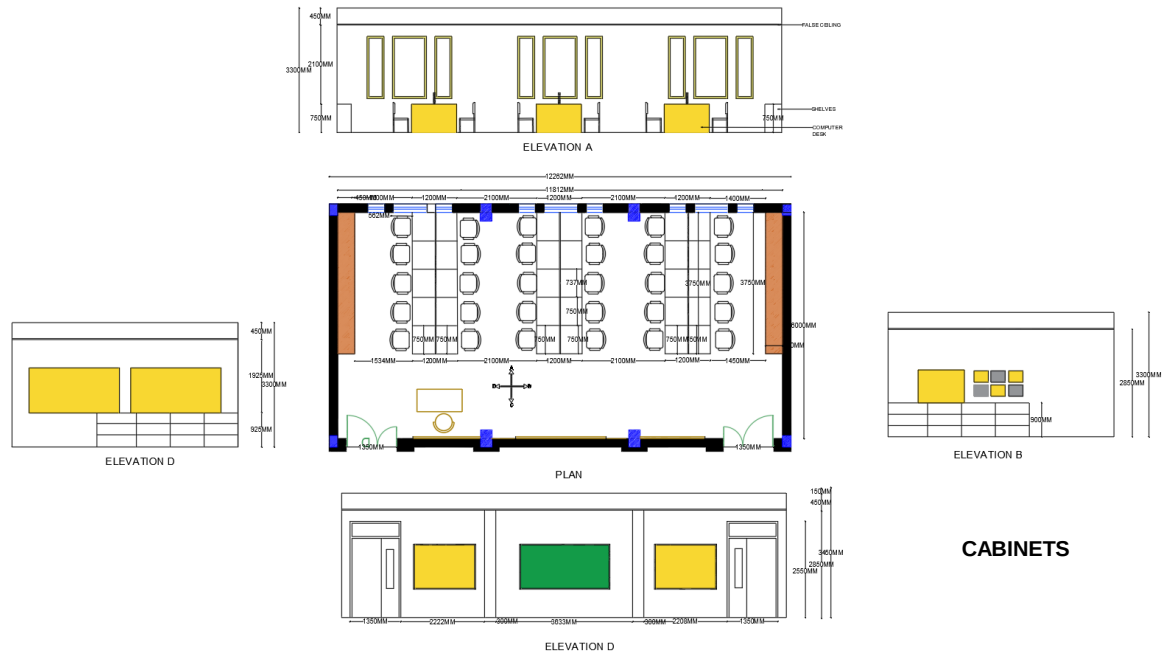
TOILET



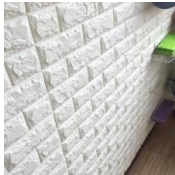
12mm Thickness Hpl Laminate Panel.



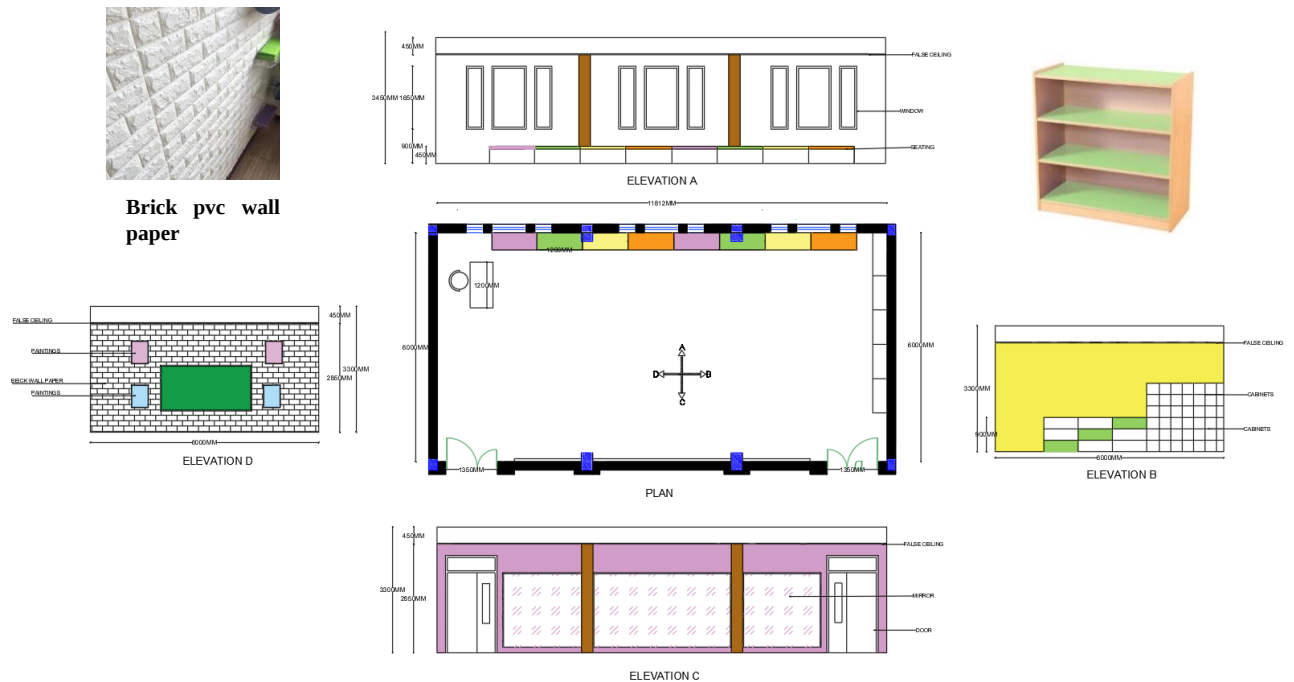
COMPUTER LAB



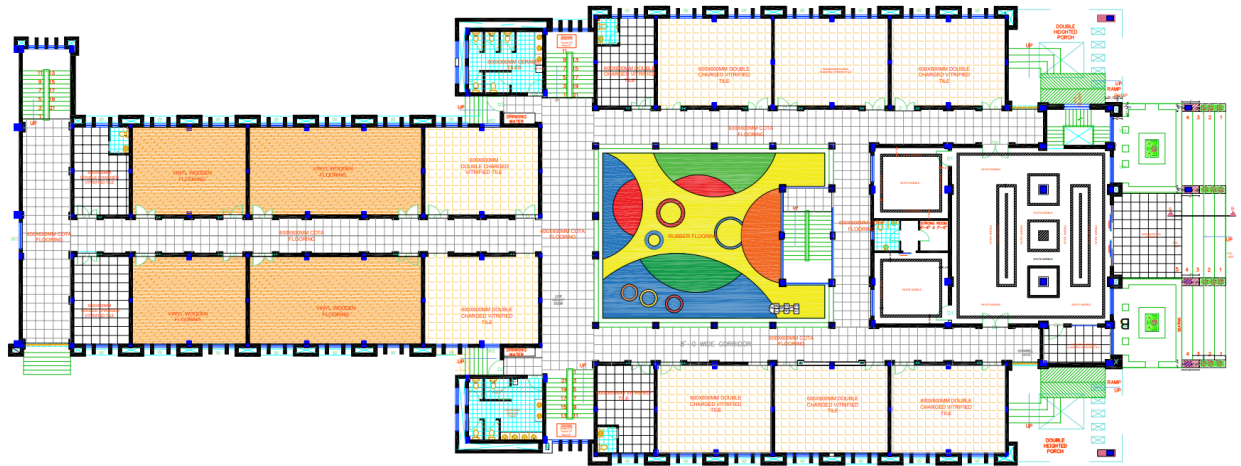
DANCE CLASS ROOM



Brick pvc wall
paper



FLOORING PLANS



GL FLOORING PLAN



F.F FLOORING PLAN



Rubber Flooring



Cota Flooring

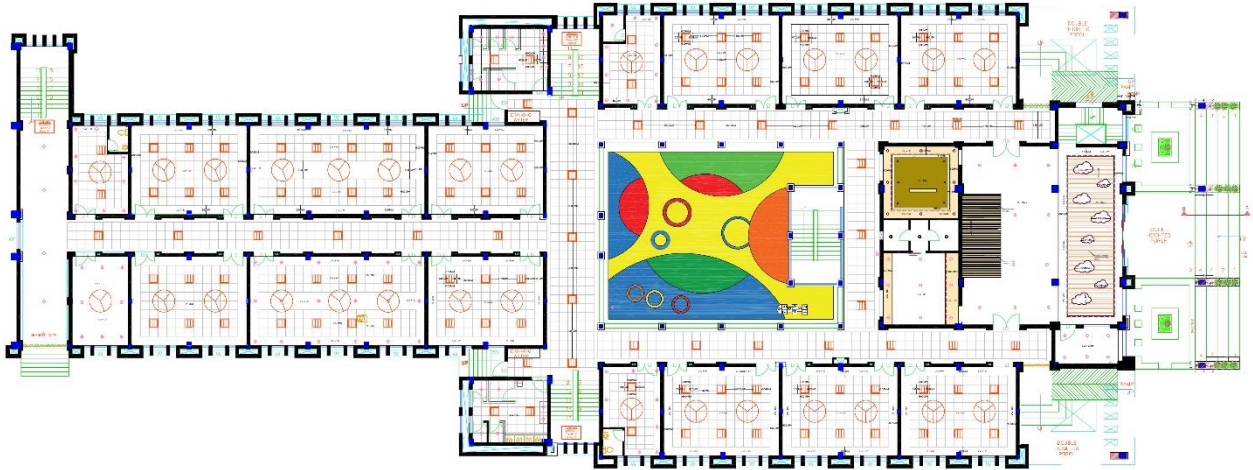


Vinyl Flooring

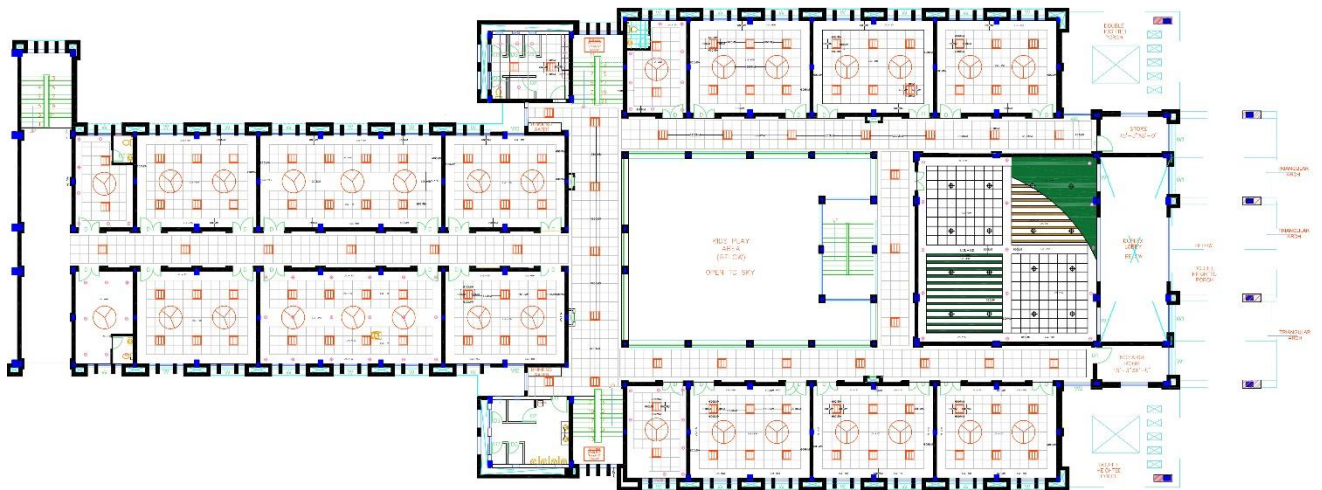


Vitrified Tiles

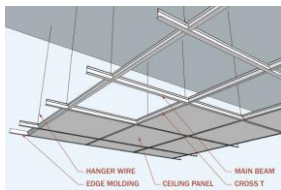
CEILING PLANS



GF REFLECTED CEILING PLAN



FF REFLECTED CEILING PLAN



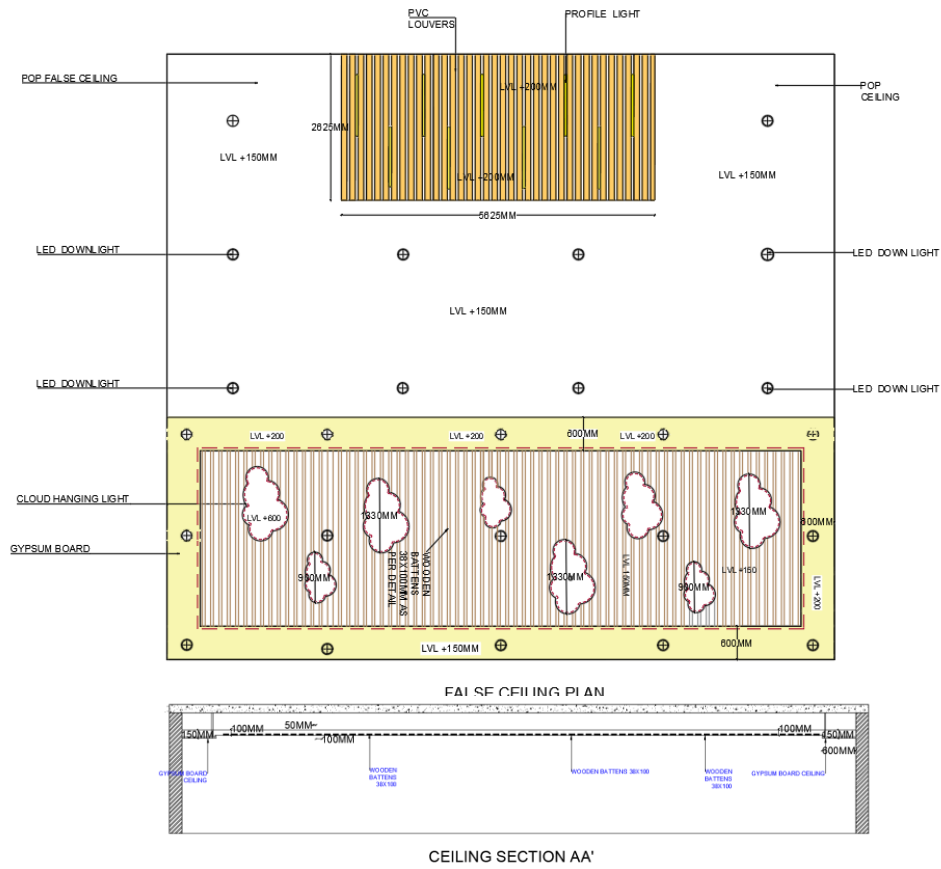
2'x4' Led Panel



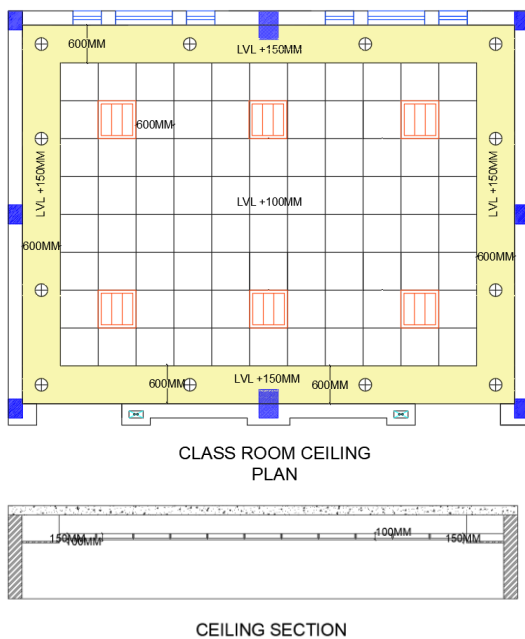
Grid Ceiling

CEILING PLANS

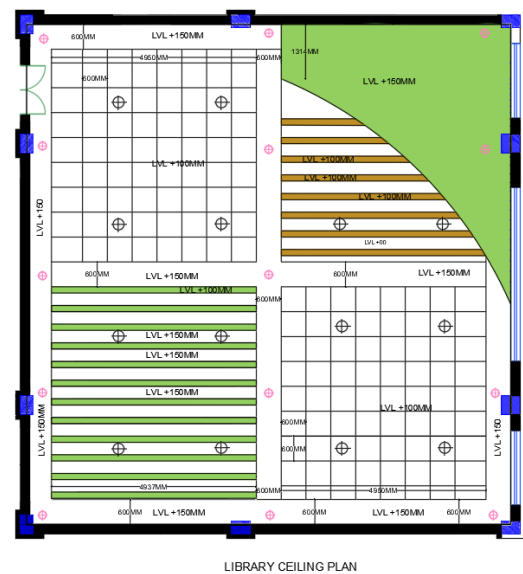
RECEPTION AREA CEILING



CLASS ROOM CELING

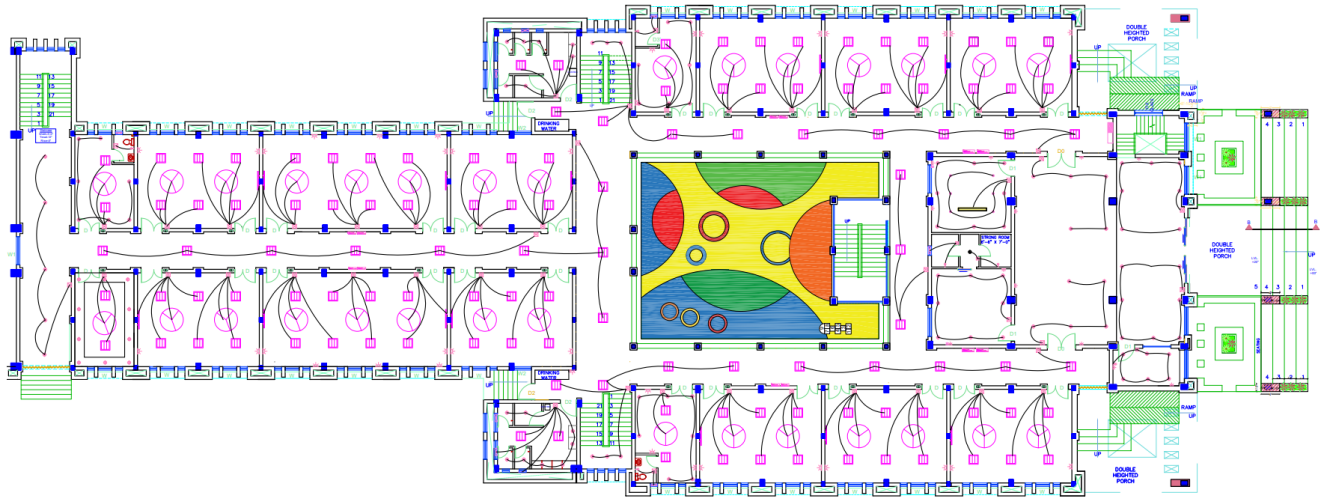


LIBRARY CEILING

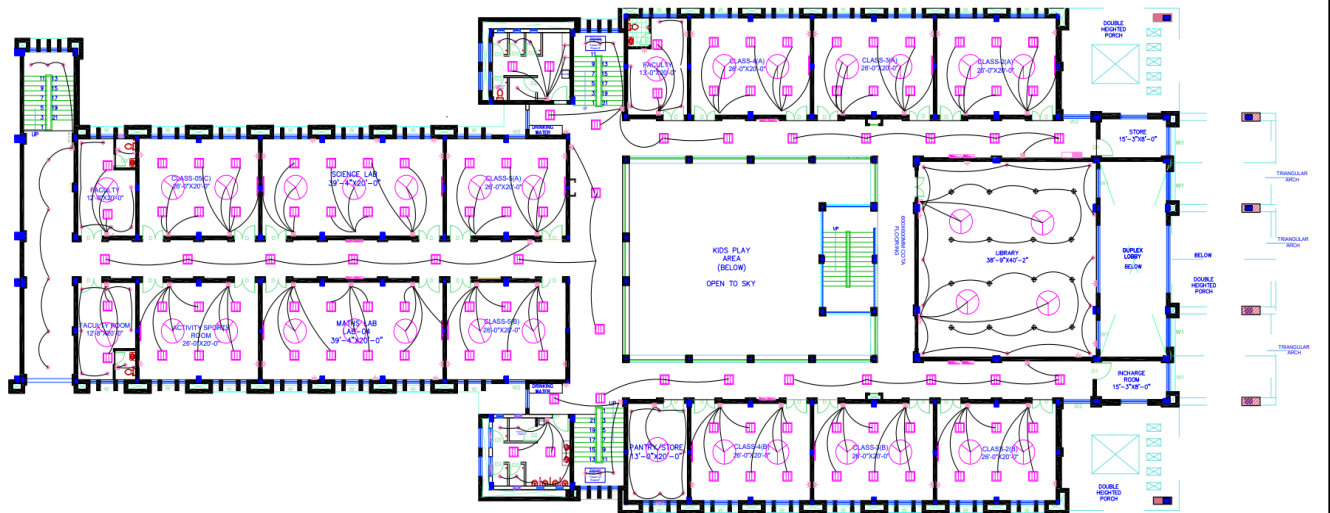


ELECTIVE DETAILS

ELECTRICAL LAYOUT



GF ELETRICAL

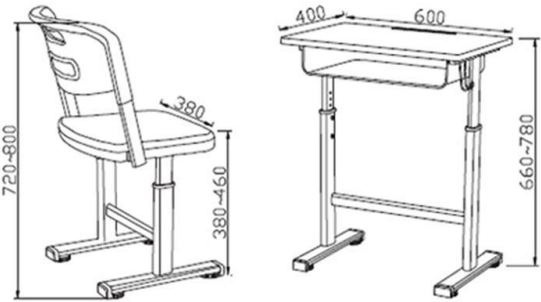
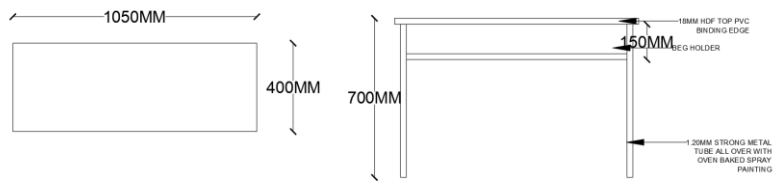
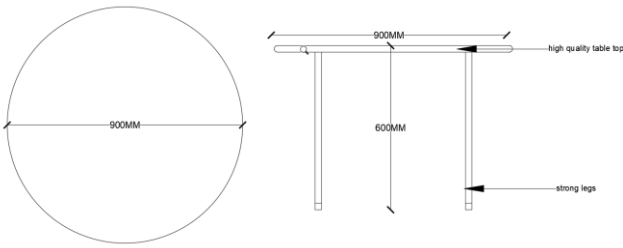
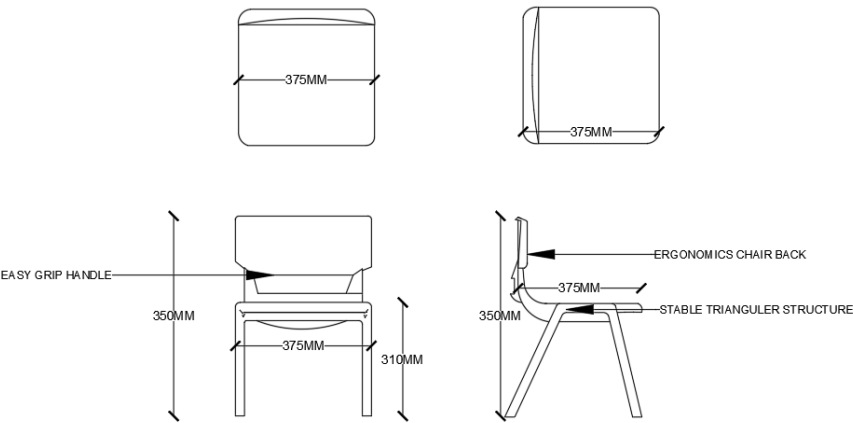


FF ELECTRICAL

LEGEND:- (electrical)			
S.NO.	SYMBOL	DISCRPTION	LV/LHT
1.		TUBE LIGHT (ON WALL)	8'- 6"
2.		TUBE LIGHT (ON CEILING)	CEILING
3.		SWITCH BOARD	4'- 0"
4.		LED PANEL 2X2	CEILING
5.		5/15 AMP POWER POINT WITH SWITCH	1'-0"
6.		BULB (C.F.L.)	8'- 6"
7.		CEILING FAN	CEILING
8.		EXHAUST FAN	—
9.		CONCEALED DOWN LIGHT	CEILING
10.		DISTRIBUTION BOARD	5'-0"
11.		MAIN DISTRIBUTION BOARD	5'-0"
12.		32 AMP AC POWER POINT	1'-0"
13.		INDICATES CONTROLLING OF LIGHT AND FAN FROM S.B.	—

ELECTIVE DETAILS

FURNITURE DETAIL

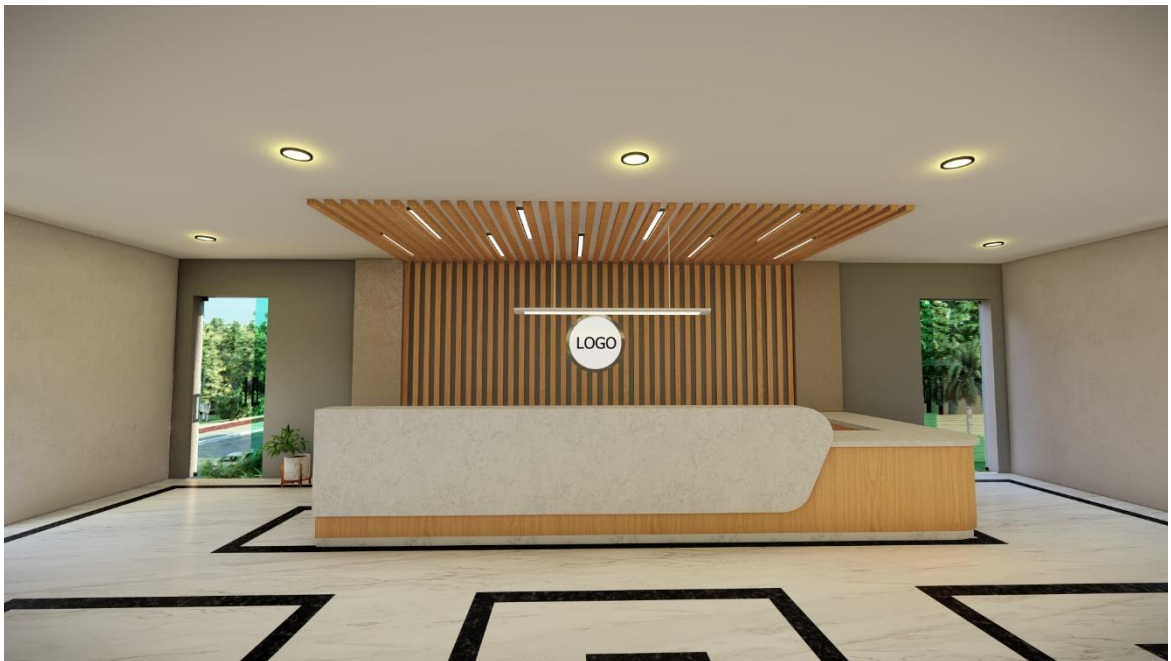


3D VIEWS OF INTERIOR

ENTRANCE



RECEPTION AREA



3D VIEWS OF INTERIOR

WAITING AREA



3D VIEWS OF INTERIOR

WAITING AREA CEILLNG



3D VIEWS OF INTERIOR

PRINCIPAL OFFICE



3D VIEWS OF INTERIOR

PRINCIPAL OFFICE

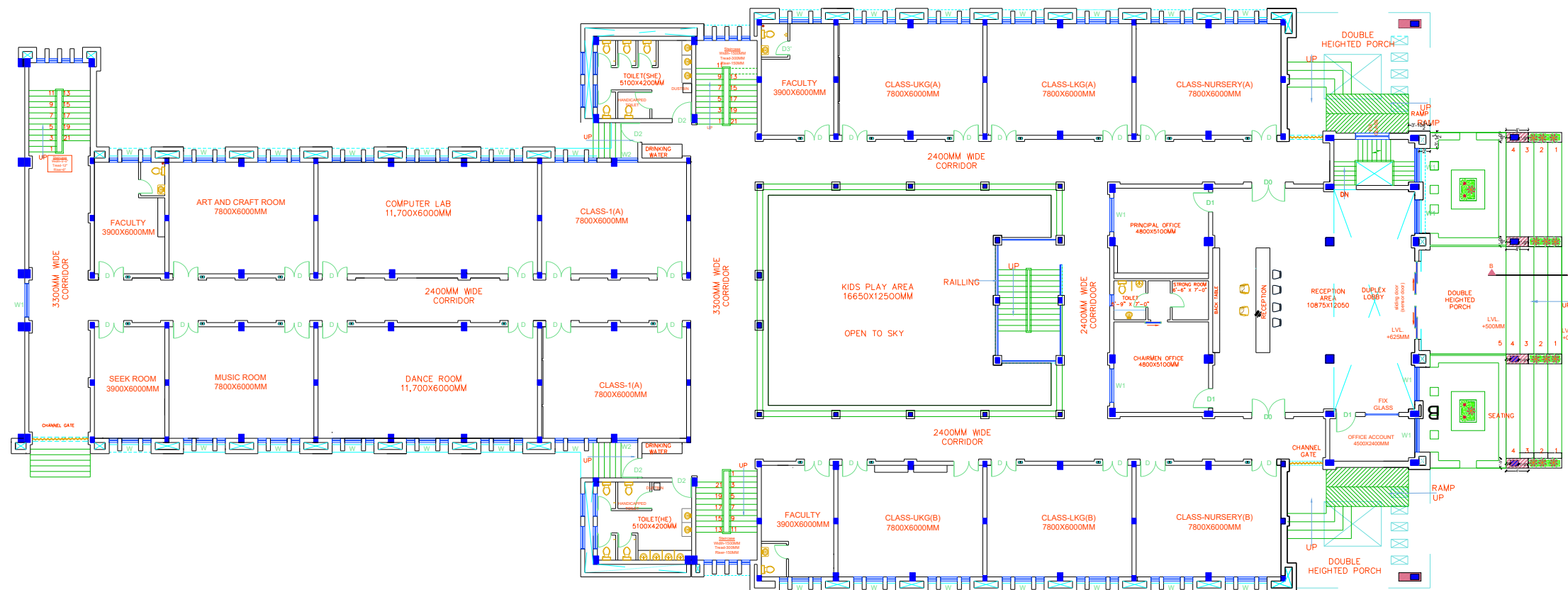


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- *The concept of child-friendly school.* Retrieved from https://www.academia.edu/3768699/the_concept_of_child_friendly_school.

FLOOR PLAN ,S



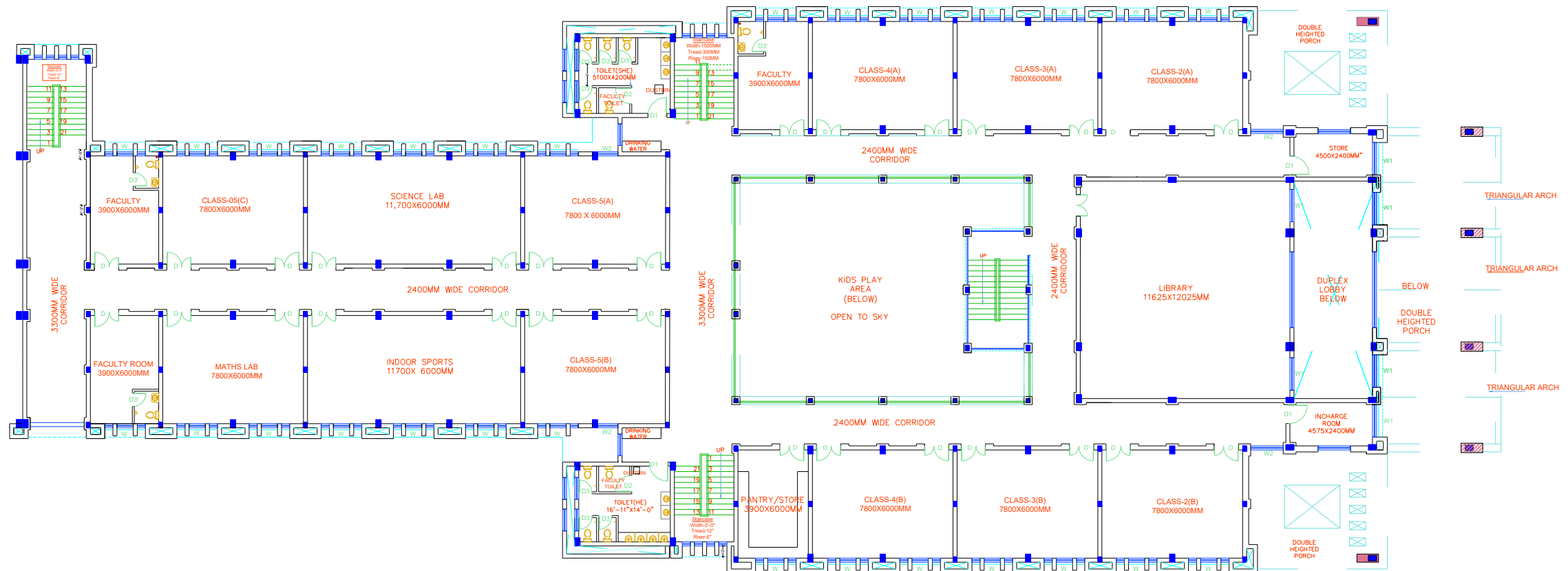
GROUND FLOOR PLAN



PRIMARY SCHOOL ORAI JALAUN UP

Sarika khan
BID 4RTH YEAR
1180107017
GUIDE PROF, MOHIT KUMAR AGARWAL
AR, SHALNI DIWAKAR

FLOOR PLAN ,S



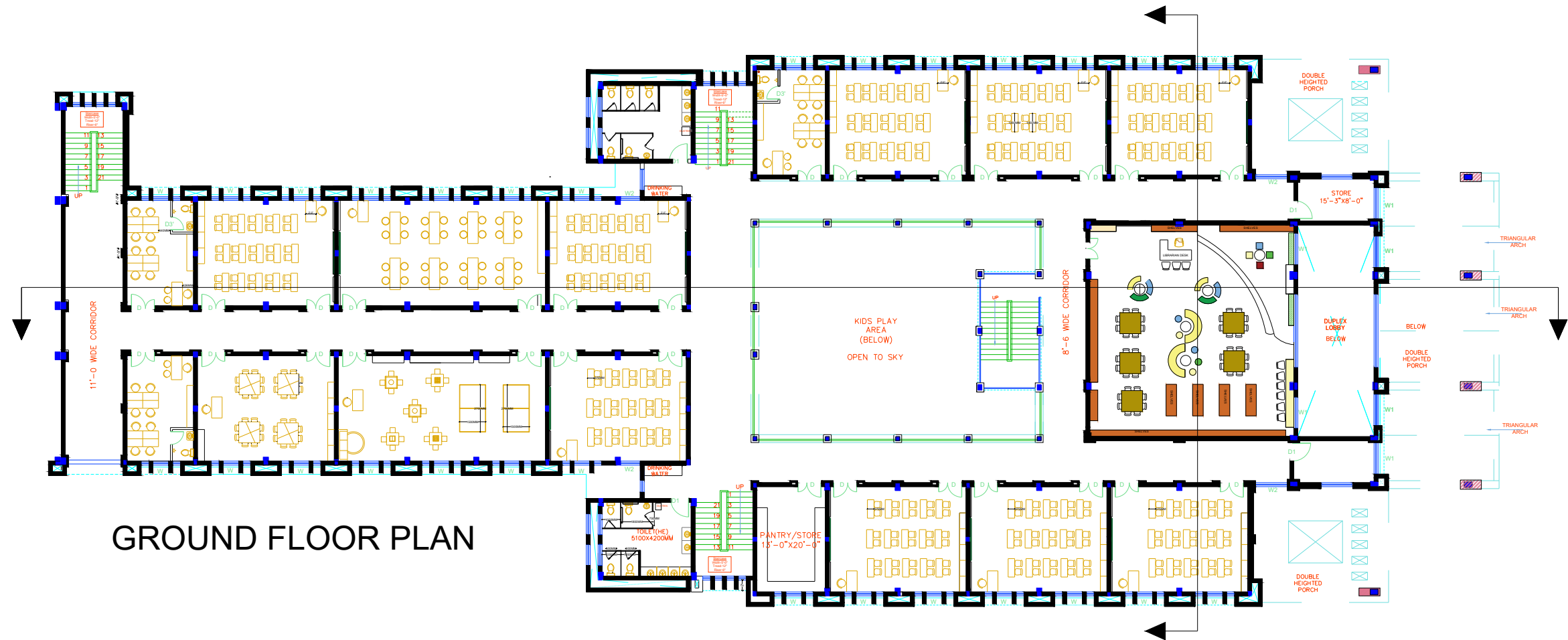
FIRST FLOOR PLAN



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 1180107017
 GUIDE PROF,MOHIT KUMAR AGARWAL
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FURNITURE LAYOUT



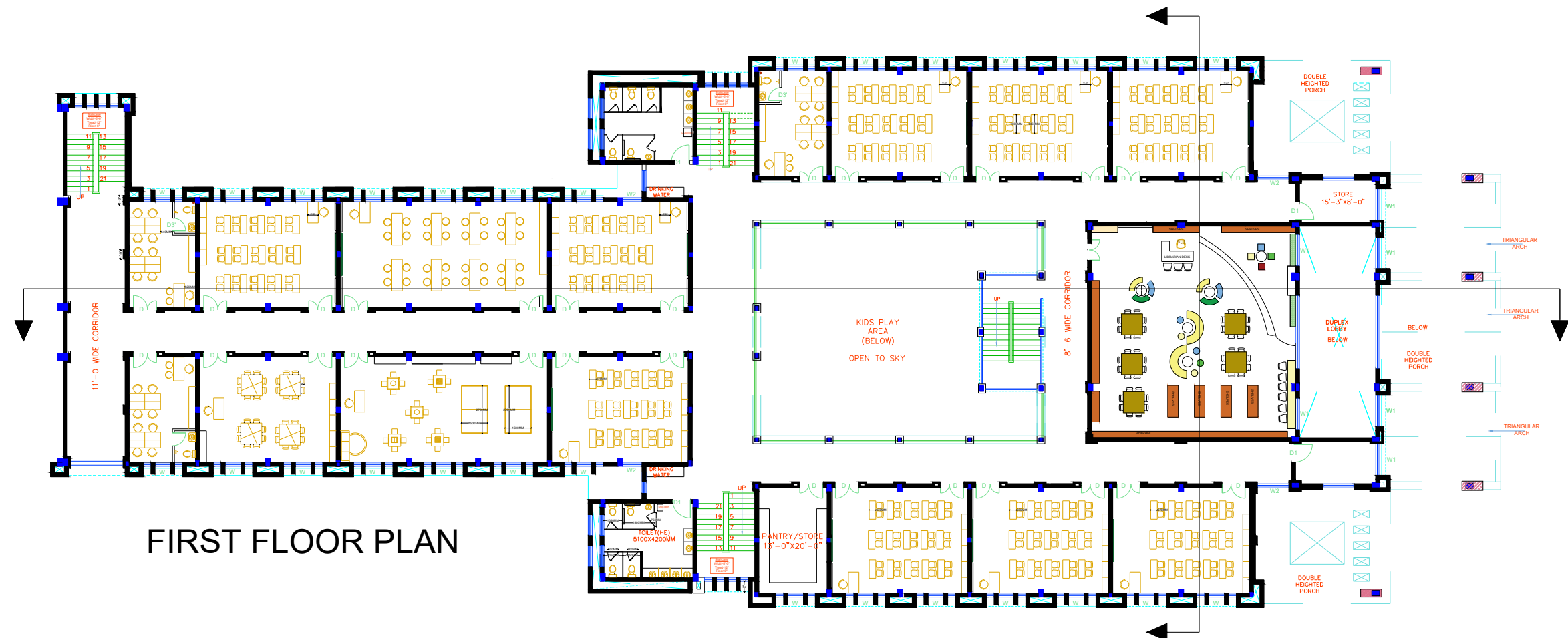
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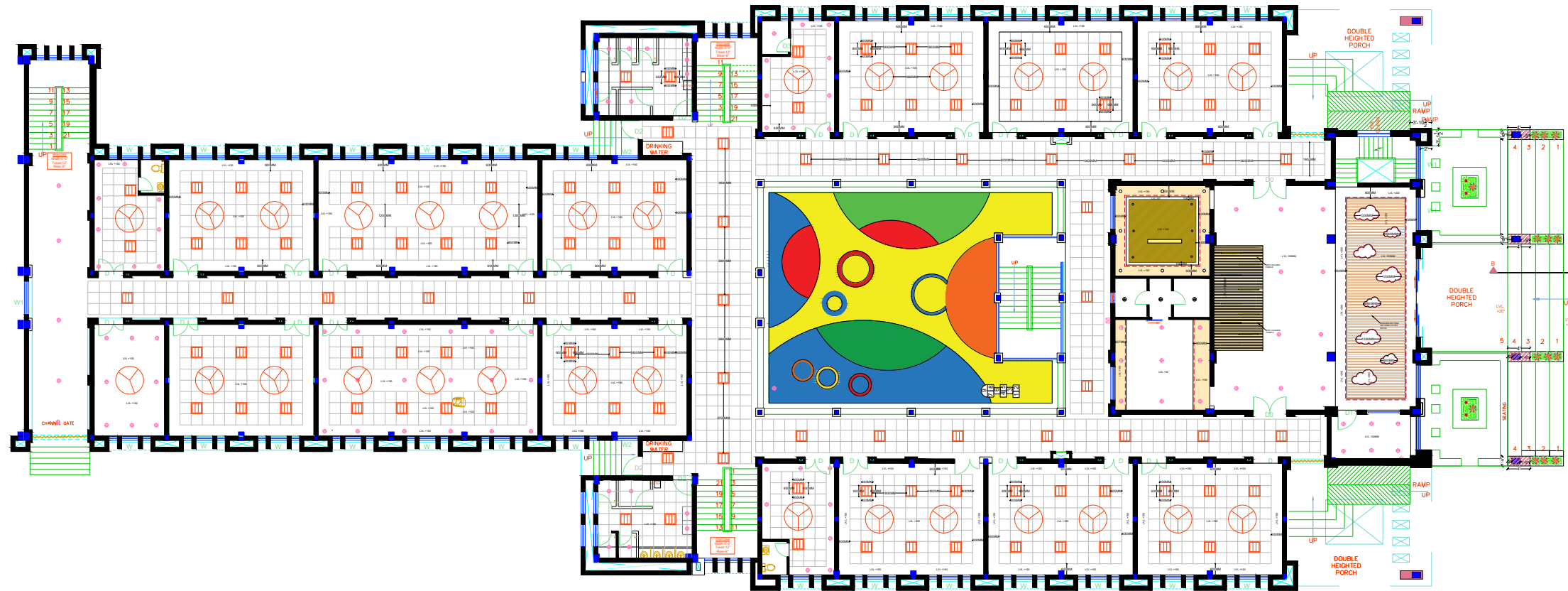
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REFLECTED CEILING PLAN



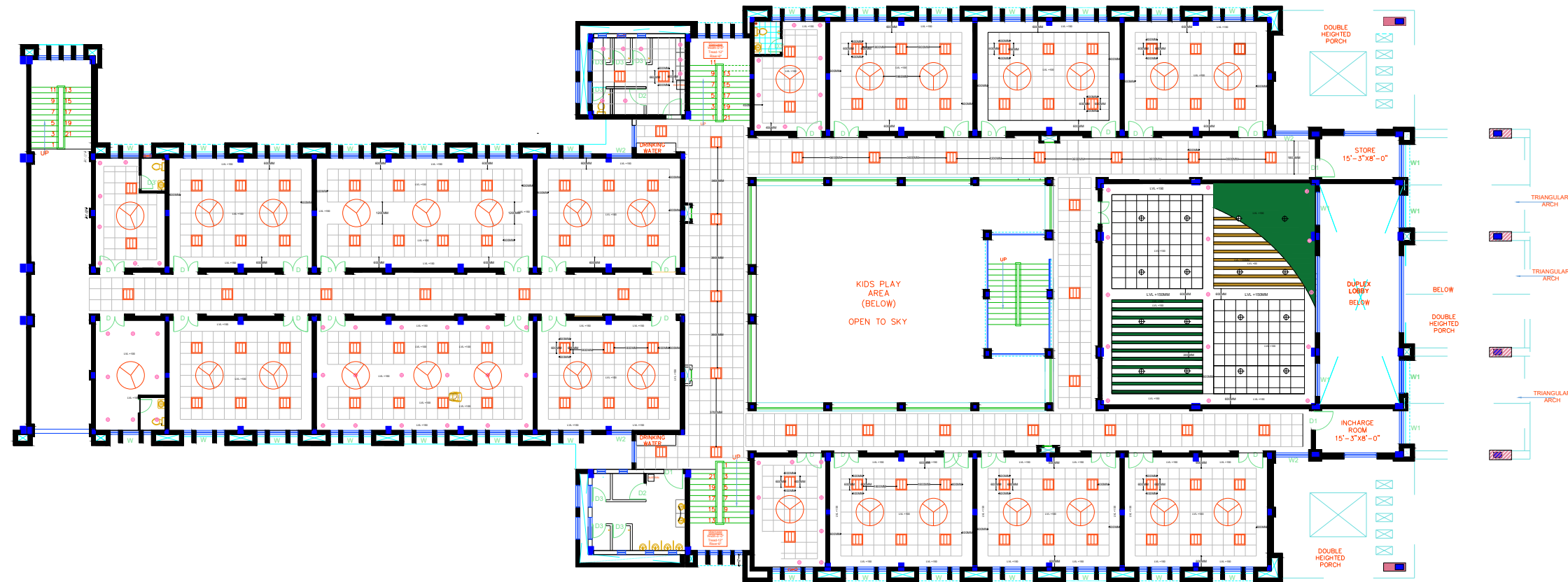
GF REFLECTED CEILING PLAN



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