

THESIS REPROT ON
“STREET CHILDREN REHABILITAION CENTER”
CHATTARPUR, DELHI

A THESIS IS SUBMISSTED IN PARTIAL
FULFILLMENT OF THE
REQUIREMENT OF THE DEGREE OF:
“BACHELOR OF ARCHITECTURE”

BY
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(1150101049)

THESIS GUIDE
(AR. ANKUR SAXENA)

SESSION
2019-20

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

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

CERTIFICATE

I hereby recommend that the thesis entitled "STREET CHILDREN REHABILITATION CENTER, CHATTARPUR DELHI" under the supervision, is the Bonafede 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 and Planning.

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3.Thesis Title: STREET CHILDREN REHABILITATION CENTER

4.Degree for which the thesis is submitted: BACHELOR OF ARCHITECTURE

5.Faculty of university to which the thesis is submitted: Yes/No

6.Thesis preparation guide was referred for the preparing the thesis. Yes/No

7.Specification regarding thesis format have been closely followed. Yes/No

8.The content of the thesis have been organised based on the guidelines. Yes/No

9.The thesis has been prepared without resorting to plagiarism. Yes/No

10.All the sources used have been cited appropriately. Yes/No

11.The thesis has not been submitted elsewhere for a degree. Yes/No

12.Submitted 3 hard bound copied plus one CD. Yes/No

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ACKNOWLEDGEMENT

FIRST AND FOREMOST I WOULD TAKE THIS GREST OPPORTUNITY TO THANK MY **PARENTS AND ALMIGHTY** WHO PROVIDED ME WITH THIS BLESSING OF EDUCATION WHERE I CAN BE WHAT I AM.

THEN, I WOULD LOVE TO EXPRESS MY SINCERE GRATITUDE TO MY ADVISOR,

AR. ANKUR SAXENA FOR THE CONTINOUS SUPPORT FOR MY THESIS STUDY AND RESEARCH, FOR HIS PATIENCE MOTIVATION ENTHUIASM, & ENMANCE KNOWLEDGE. HIS GUIDENCE HELPED ME IN ALL THE TIME OF THE RESEARCH & COMPLETING THIS THESIS.

BESIDE MY ADVISOR I WOULD LOVE TO EXPRESS MY PROFOUND SENSE OF GRATITUDE TO MY DEAN, **PROF. MOHIT KUMAR AGARWAL** ALSO MY HEAD OF DEAPRTMENT, **PROF. SANGEETA SHARMA**, DEPARTMENT OF ARCHITECTURE, FOR THEIR VALUABLE GUIDENCE.

THANK YOU,

NIKITA AGARWAL

BACHERLORS OF ARCHITECTURE

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INDEX

CHAPTER 1 : INTRODUCTION

CHAPTER 2 : SITE STUDY

- 2.1-Site Location and Surroundings
- 2.2-Byelaws

CHAPTER 3 : CLIMATE STUDY

CHAPTER 4 : CASE STUDIES

- 4.1-Case Study 1 :
- (BAL SAHYOG, NEW DELHI)
- 4.2-Case Study 2 :
- (SOS VILLAGE GREENFEILD, FARIDABAD)
- 4.3-Literature Study 1 :
- (FALATOW JIGIYASO, MALI)
- 4.4-Literature Study 2:
- (REHABILITATION CENTER FOR HOMELESS CHILDREN, EGYPT)

CHAPTER 5 : COMPARATIVE ANALYSIS

CHAPTER 6 : AREA ANALYSIS

CHAPTER 7 : DESIGN CONCEPTS AND FLOWCHARTS

- 7.1-Concept
- 7.2-Views
- 7.3-Zoning

CHAPTER 9 : ELECTIVES

- 9.1-LANDSCAPE
- 9.2-WORKING DRAWING

CHAPTER 10 : FINAL STAGE/FINAL DESIGN PROPOSAL

- 10.1-Layout Plan
- 10.2-Floor Plans
- 10.3-Elevations
- 10.4-Sections
- 10.5-3D Views
- 10.5-Model Views

CHAPTER 11 : BIBILOGRAPHY

INTRODUCTION:

CHILD every person aged between 3 and 17 years old. As they are considered to be the foundation stone in society construction. Children's do have a basic needs in their own life that must be provided for them to have an appropriate one. When we look on children's around the global we see that they are facing many problems, like ; poverty, violence, poor education, early marriage,homeless. But the one we are going to focus on in this book is **HOMELESS "STREET CHILDREN"** as they present 2% in global, spreading in all 5 continent, largely in third world countries.



STREET CHILDREN lots of institutions appeared to discuss and help the issue of street children, one of them is **UNICEF**.As they defined street children's in 3 conditions:

- 1: STREET LIVING CHILDREN:** Children who ran away from their families & live alone on the streets.
- 2: CHILDREN FROM STREET FAMILIES:** Children who live on street with their families.
- 3.STREET WORKING CHILDREN:** Children who spend most of their time on the street, fending for themselves, but returning home on a regular basis.

REHABILITATION CENTER it means restoring something into its original form that should be like.

We mean by rehabilitating street children's, transforming them from being a child that begs, work, suffering from bad health & education, into a well educated, healthy one.

In order to do that we have to provide them a well prepared space, that able us to achieve our aims for those children's, we call it in architecture **STREET REHABILITATION CENTER.**



Why do we need such centers?

Street children rehabilitation center frees the society from this phenomenon, as they build a good educated known ledged children's we make a good youth, & by that we raise several sides in community & state.

AIMS OF THE PROJECT:

- 1.To rehabilitate & provide philosophical, education & vocational trainings to the street children.
- 2.Provide totally free education & houses to all students in these schools.
- 3.To provide basic literacy & facilities for those who wish to study further.
- 4.To accomplishing physical, intellectual & aesthetical development of the child.
- 5.To provide financial help to the families of the children by holding social function in the center itself.

TARGETED GROUPS:

1. CHILDREN LIVING ON STREET WITHOUT THEIR FAMILIES:

As these children have unfortunately lost their families or they have been ran away from their families because of their own problems. They not only need education & vocation training but the most important need of them is providing them with the shelter with surrounding like a family.

2. CHILD LABOURS: Children who work on the streets or at shop or at homes requires money to help their families as well as they also require shelter for themselves. Providing these children's with the family houses as well as vocational trainings & fictional dramas & providing them a space where they can showcase their talent & can get some financial help for their family.

3. CHILDREN WHO LIVE ON STREET OR SLUM AREAS WITH THEIR FAMILIES: These are the children's who are lacking of the well educated environment while their lived with their families who could not be able to provide their child a proper education what they should get. Providing those children with extremely free education & vocational trainings.



SITE ANALYSIS

LOCATION: C-BLOCK, CHATTARPUR ENCLAVE, PHASE 3, NEW DELHI

AREA: 7.5 ACRES = 30370 SQ. M.

LOCALITY: NEWLY DEVELOPING APARTMENTS & MARKETS NEARBY.

TYPE OF PROJECT: SOCIAL WELFARE/ INSTITUTIONAL

DEVELOPERS: DELHI DEVELOPMENT AUTHORITY

STATUS OF PROJECT: PROPOSED/ UN-BUILD

APPROACH: NEAR INDIAN MODERN SCHHOL, NEW DELJI.

LEVELS/ CONTOURS: THE SITE IS APPROXIMATELY FLAT

APPROACH:



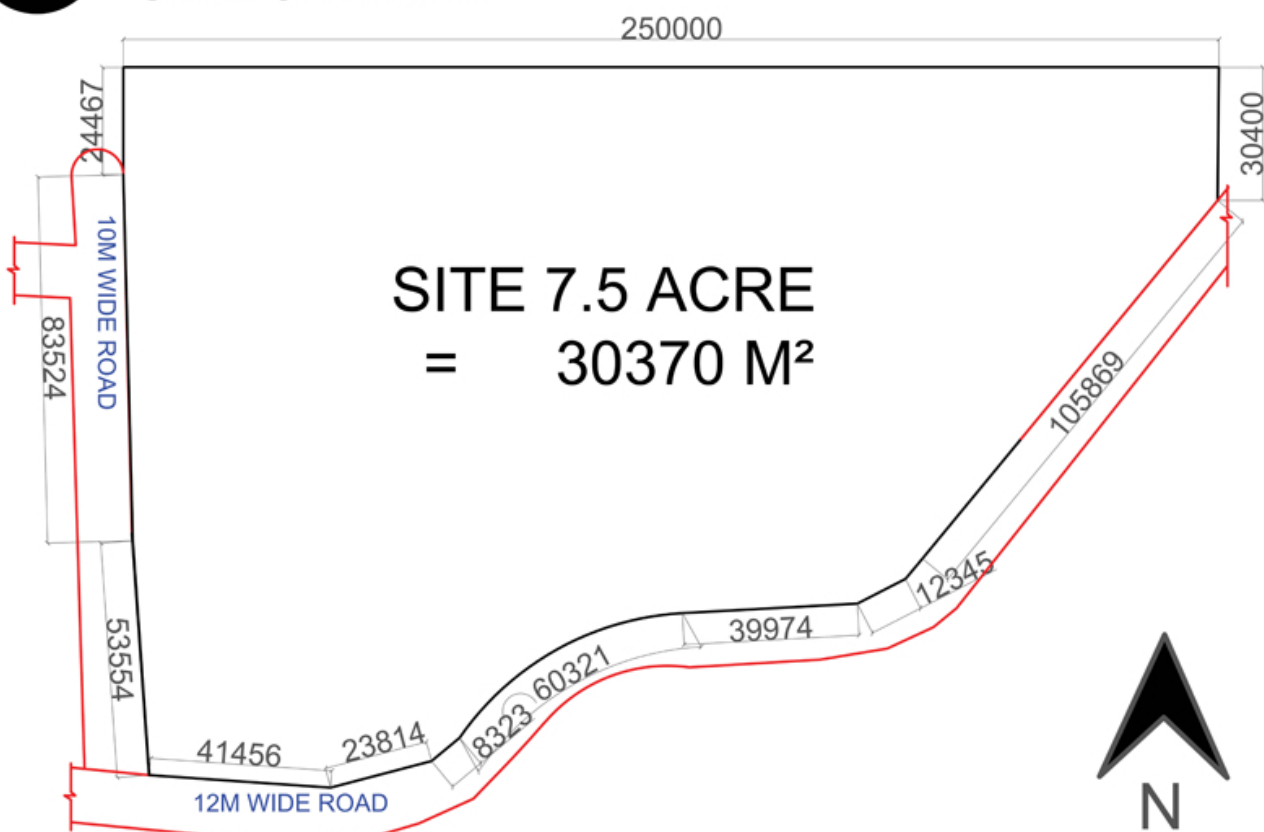
INDIRA GANDHI
INTERNATINAL AIRPORT:
13.9M



NEW DELHI RAILWAY
STATION: 18.5KM.

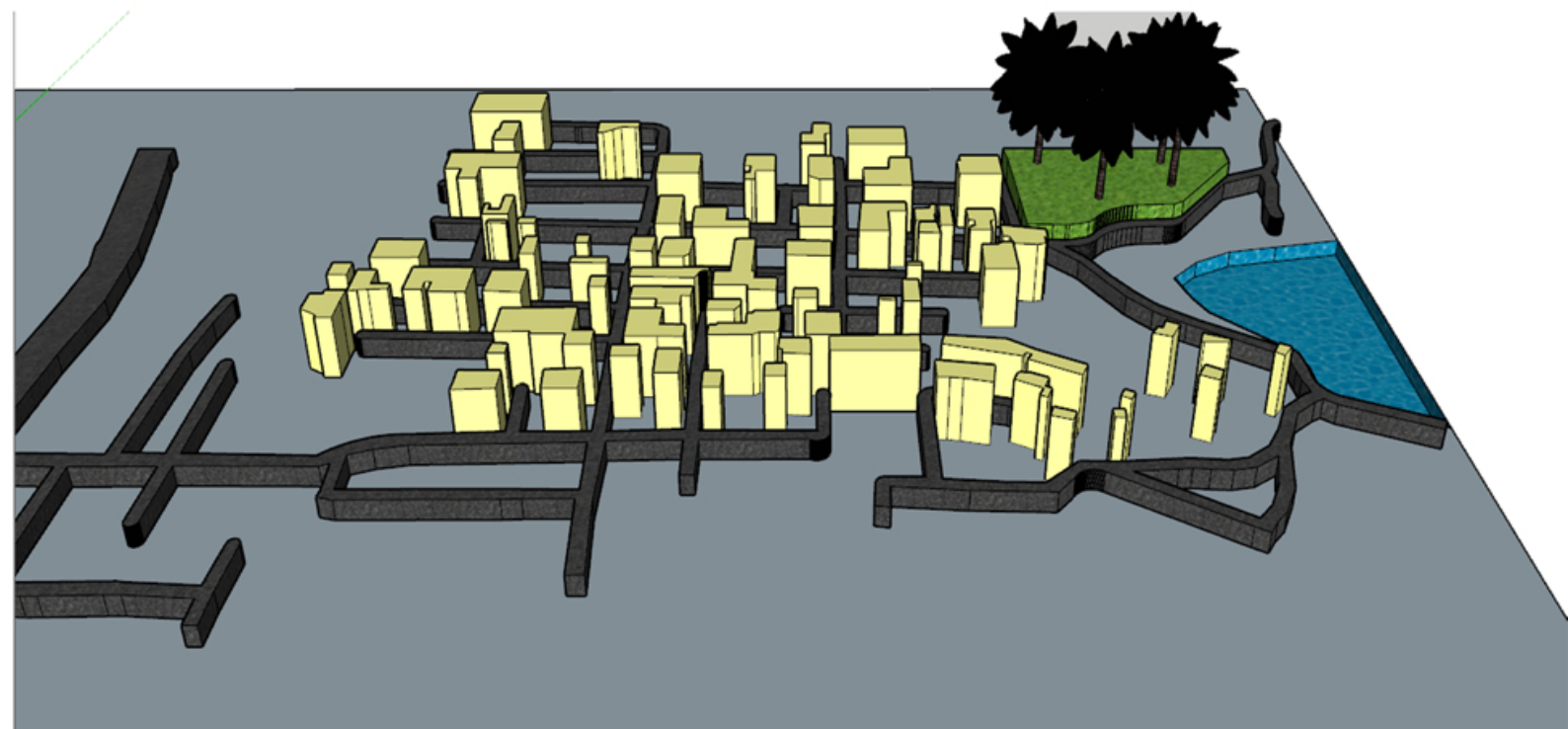


QUTUB MINAR METRO
STATION: 2.2KM





KEY PLAN 2D & 3D



AMINITIES:



SYNDICATE BANK--
850M



K.R.HOSPITAL
1.9KM



PVR ANUPAM SAKET
3.9KM



SPICE OF LIFE
(RESTAURANT)
550M



BETHEL CHURCH
230M



INDIAN MODERN
SCHOOL
50M

SITE

SERVICES:

- 1.WATER IS SUPPLIED BY THE GOVERNMENT THROUGH SUMMER SEAVOR METHOD.
THE PIPELINE ARE DESIGNED UNDER THE GROUND TO REACH THE SITES.
- 2.ELECTRICITY IS SUPPLIED THROUGH THE ELECTRICAL POLES & THR TRANSFORMERS ARE PROVIDED AT EACH & EVERY POLE SEPARATELY.
- 3.DRAINAGE SYSTEM WAS FULLY HYGIENIOUS AS IT WAS PROPERLY COVERED WITH THE CEMENTED TILED COVERING.
- 4.THE GAS LINE ARE ALSO PROVIDED UNDERGROUND AT EACH EVERY SITE BY INPRASTHA GAS LIMITED.
- 5.ROADS ARE UNDER CONSTRUCTION.



SWOT ANALYSIS:



STRENGTH:

- 1.THE ROADS ARE SUFFICIENTLY WIDE SO THAT THE CARS & MINI BUS CAN EASILY REACH THE SITE.
- 2.THE SERVICES ARE AVAILABLE AT THE SITE SUCH AS WATER SUPPLY,ELECTRICITY, DRAINAGE, GAS SUPPLY, ETC.



WEAKNESS:

THE SITE IS LOCATED AT THE AREA WHERE THE NEW DEVELOPING APARTMENTS & COMMERCIAL PLACES ARE UNDER CONSTRUCTION.
THUS,THE TRANSPORT SYSTEM ARE NOT AVAILABLE FROM THE NEAREST METRO STATION.



OPPORTUNITIES:

THE SITE IS UNDER CONSTRUCTION THUS THE AVAILABILITY OF THE BUILDING MATERIALS BECOMES EASIER.
THE SITE IS APPROXIMATELY FLAT.
THUS,THERE ARE MIN. CONTOUR LEVELS.



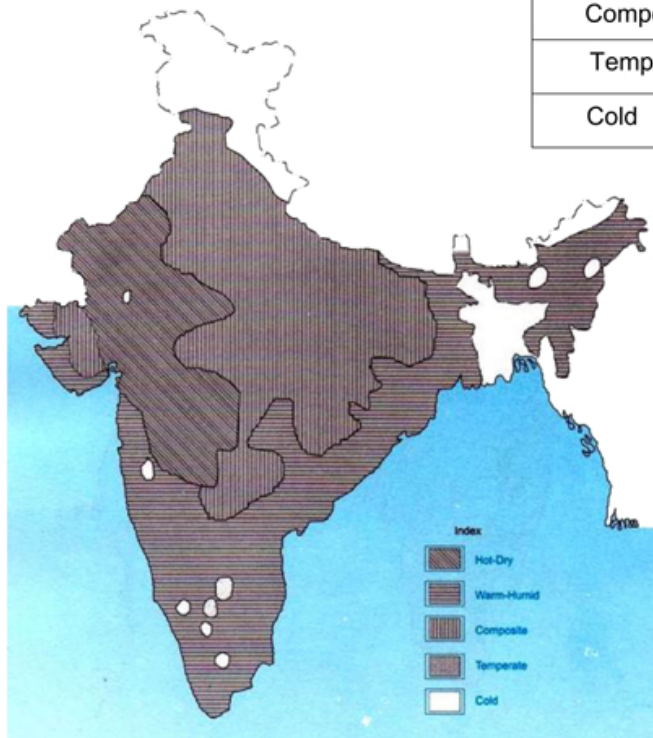
THREATS:

THE TREES AVAILABLE AT THE SITE ARE TOTALLY JUNGLY,THUS THE NEEDS TO BE CUT & NEW PLANTATION NEEDS TO BE CARRIED OUT.

CLIMATE STUDY

CLIMATIC ZONES IN INDIA:

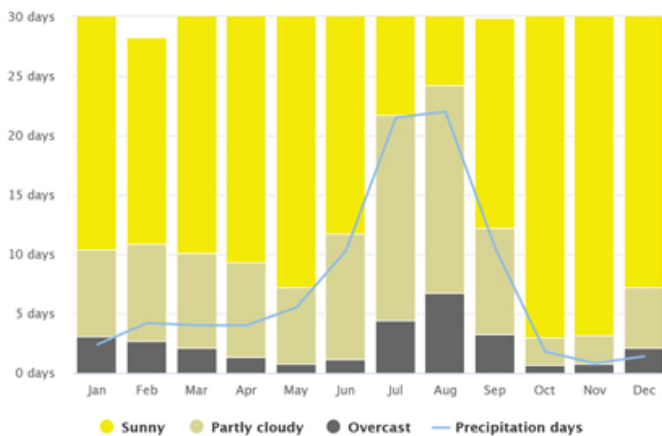
CLIMATIC ZONE	MEAN MONTHLY MAXIMUM TEMPERATURE (°C)	MEAN MONTHLY RELATIVE HUMIDITY (%)
Hot Dry	Above 30	Below 55
Warm Humid	Above 30	Below 55
Composite	Above 25	Above 75
Temperate	Between 25-30	Below 75
Cold	Below 25	All Values



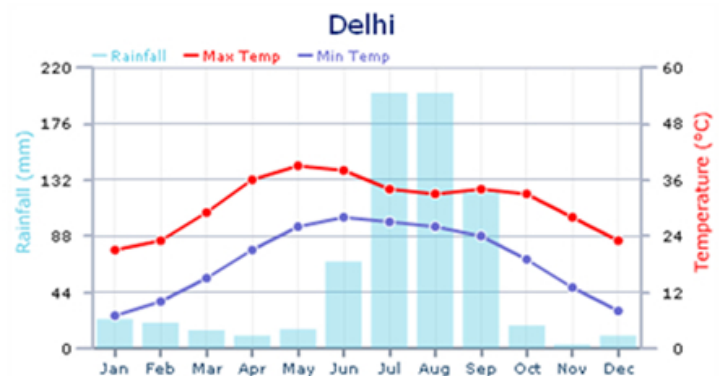
MAX. TEMPERATURE-39.5 IN JUNE
 MIN. TEMPERATURE-7.6 IN JANUARY
 RAINFALL-232.5 AUGUST
 HUMIDITY MAX.-90 IN AUGUST
 MIN.-19 IN APRIL
 MOST COMFORTABLE MOST
 IN DAY FEBURARY & MARCH
 IN NIGHT NOVEMBER & DECEMBER

AS DELHI LIES AWAY FROM THE WATER
 BODY LIKE RIVERS, THUS THE CITY
 EXPERIENCES THE COMPOSITE CLIMATE
 WHICH MEANS IT GOES WITH THE
 SUMMER SEASON OVER 9MONTHS &
 WINTER SEASONS OVER 3MONTHS OF
 THE YEAR.THE CITIES HOTTEST MONTH IS
 JUNE WHERE AS THE COLDEST MONTH IS
 JAN-DEC IT VARIES.

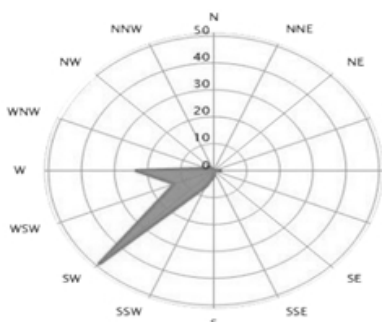
CLIMATIC DATA OF DELHI:



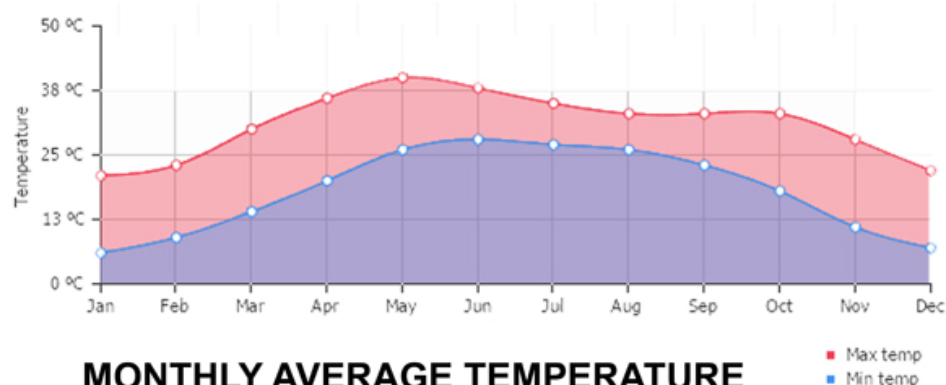
SUN CHART



RAINFALL CHART



WIND DIRECTION



MONTHLY AVERAGE TEMPERATURE

CASE STUDY 1: BAL SAHYOG (A SOCIAL WELFARE SOCIETY) NEW DELHI

LOCATION: BAL SAHYOG, RAJIV CHOWK OP-
POSITE L-BLOCK MARKET CONNAGHT
CIRCLE, NEWDELHI.

YEAR OF COMPLETION: 1954

BUILDING TYPE: SOCIAL WELFARE

SITE AREA: 3ACRES (12138 M.SQ.)

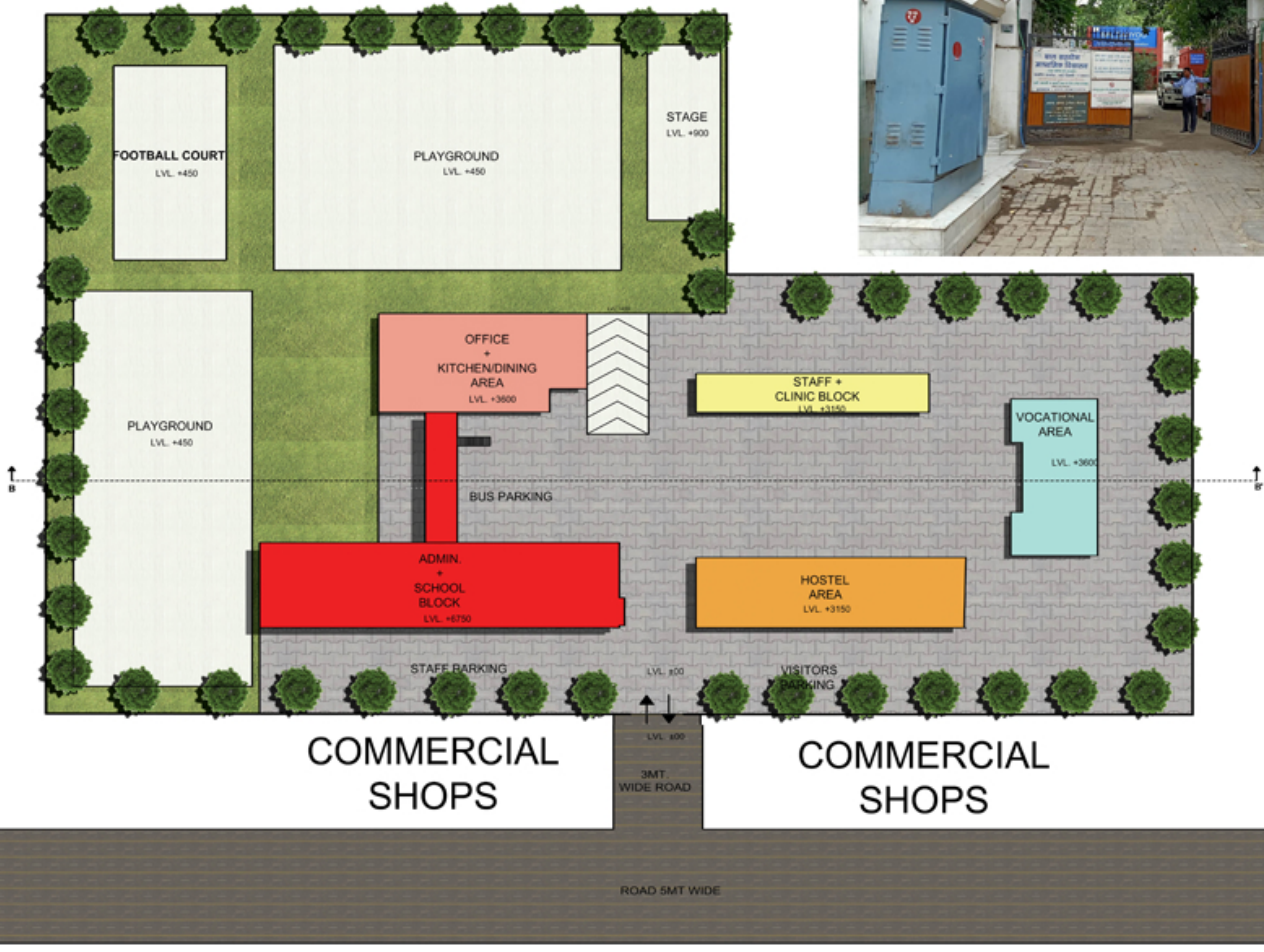
TOPOGRAPHY: FLAT LAND

CLIMATE: COMPOSITE

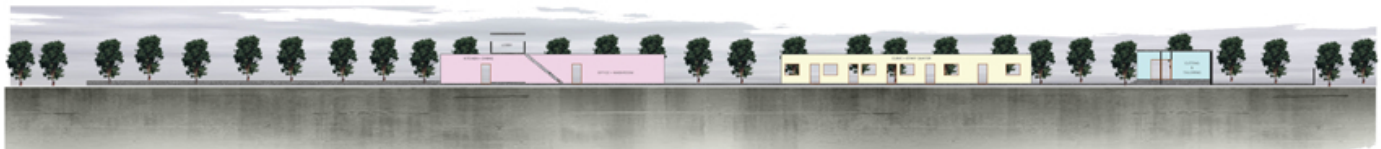
NO. OF CHILDREN'S: 120

AGE GROUP:6-18YEARS

STAFF: 30-40



SITE PLAN

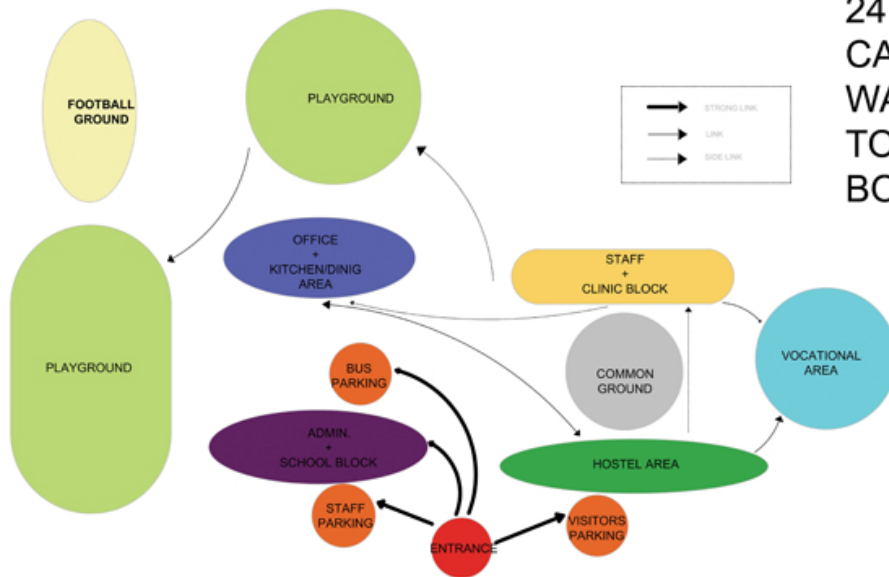


SITE SECTION



CASE STUDY 1: BAL SAHYOG (A SOCIAL WELFARE SOCIETY) NEW DELHI

CIRCULATION PATTERN:



DORMITORIES CONSISTS OF 6 ROOMS WITH ATTACHED STORAGE AREA..EVERY ROOMS CONSISTS OF 24 BUNK BEDS EACH.
CAMPUS CONTAINS 10 COMMON WASHROOMS & TOILETS SEPARATED FOR GIRLS & BOYS.



ACTIVITIES

- * KITCHEN/ DINING HALL
- *PRIMARY SCHOOL: FROM CLASS 1ST TO CLASS 8TH
- *HOSTEL: 6 ROOMS HAVING 24 CHILDREN'S IN ONE ROOM
- *CLINIC & DISPENSARY: PATIENTS WARD & DOCTORS CABIN
- *VOCATIONAL TRAINING CENTER:1.CUTTING & TAILORING COURSE (25STUDENTS UPTO 10YEARS).
2.ELECTRICAL COURSES (35 STUDENTS UPTO 15 YEARS).
3.BOOK BINDING COURSES (50 STUDENTS UPTO 12 YEARS).
- *RECREATIONAL ACTIVITIES:1.FOOTBALL COURT
2.PLAYGROUND
3.SWINGS,ETC.

PARKING AREA



DINING AREA



STAFF QUARTERS

CASE STUDY 1:

BAL SAHYOG (A SOCIAL WELFARE SOCIETY)

NEW DELHI

CHILDRENS CAME HERE THROUGH
CWC (CHILD WELFARE COMMUNITY)

TARGETED GROUPS:

1. ORPHANS
2. STREET CHILDREN
3. CHILD LABOURS.



WATER STORAGE TANK



FOOTBALL PLAYGROUND



**SCHOOL BUS
PARKING AREA**

BUILDING MATERIALS:

WALL: USED BRICKS WITH TERACOTTA PAINT
ON EXTERIOR FACADE OF THE BUILDING.

FLOORING: 1. CERAMIC TILE IN WASHROOM.

2. KOTA STONE IN HOSTEL, SCHOOL &
ADMINISTRATIVE BLOCK.

3. CONCRETE FLOORING FOR
PAVEMENTS.

DOORS & WINDOWS: ALL THE DOORS ARE MADE BY
MILD STEEL & WINDOWS ARE
MADE BY WOOD HAVING
CONCRETE BOXING FOR
SHADING.



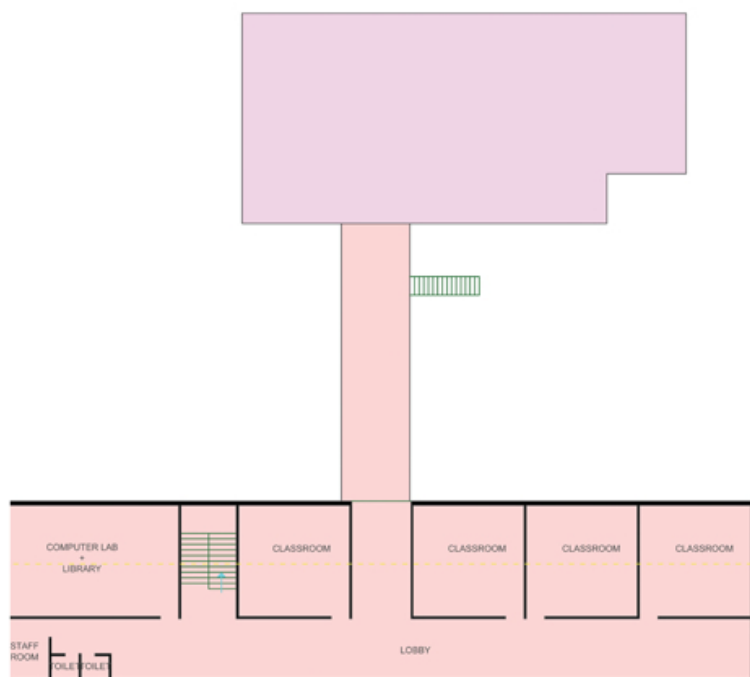
**ELECTRICAL FITTING
CLASSES**

CASE STUDY 1: BAL SAHYOG (A SOCIAL WELFARE SOCIETY) NEW DELHI



GROUND FLOOR PLAN SERVICES:

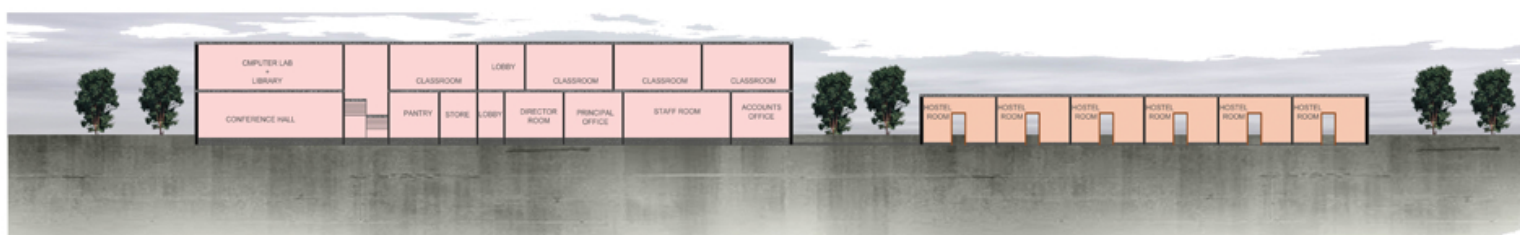
*RAIN WATER HARVESTING IS DONE WITH THE HELP OF 2-5000LITERS & 1--10000 LITERS TANKS WHICH ARE PLACED AT THE BACK SIDE OF THE KITCHEN BLOCK.
THIS WATER IS MAJORLY USED FOR UTENSIL WASHING & IN THE TOILETS.
*ELECTRICITY IS GENERATED THROUGH THE SOLAR PANELS.
*10 NO. OF TOILETS ARE PROVIDED FOR GIRLS & BOYS EACH.



FIRST FLOOR PLAN

PARKING:

VISITORS: 20NO.
ADMIN.: 10NO.
SCHOOL BUS: 6NO.



SECTION AT AA'

CASE STUDY 1:

BAL SAHYOG (A SOCIAL WELFARE SOCIETY)

NEW DELHI

ORIENTATION:

1. ORIENTATION OF DORMITORIES WAS WRONG BECAUSE OF SOUTH DIRECTION WHICH CREATES EXCESSIVE HEAT IN NIGHT.
2. NO PROPER VENTILATION WAS PROVIDED IN DORMITORIES EXCEPT SINGLE WINDOW WAS PROVIDED FOR VENTILATION.
3. ROOMS WERE VERY CONGESTED.
4. THE HOSTEL BLOCK WAS DESIGNED AT THE FRONT WHICH PURELY DISTURBS THE PRIVACY OF THE CHILDREN.

LANDSCAPING:

- SOFTSCAPE:**
1. THERE ARE JAMUN & ASHOKA TREES AT THE PERIPHERY OF CAMPUS.
 2. SHRUBS & PLANTS USED NEAR THE PATHWAYS.
 3. SOFTSCAPE WAS DESIGNED AT THE BACKSIDE OF THE CAMPUS.
- HARDSCAPE:** CONCRETE FLOORING IS USED FOR PAVEMENTS.
CONCRETE TILES USED FOR PATHWAYS.



**WAY TO WASHROOM
& PLAYGROUND**

10 W/C AND 10 BATHROOMS ARE PROVIDED FOR 120 NO. OF CHILDREN.



WASHROOM



STAFF ROOM

CASE STUDY 2: SOS CHILDRENS VILLAGE GREENFEILD FARIDABAD, HARYANA.

LOCATION: SOS CHILDREN
VILLAGE, FARIDABAD, 31 SECTOR 29
FARIDABAD, HARYANA.
YEAR OF COMPLETION: 1984
BUILDING TYPE: SOCIAL WELFARE
SITE AREA: 3.5 ACRES
TOPOGRAPHY: FLAT LAND
CLIMATE: COMPOSITE
NO. OF CHILDREN'S: 200



SITE PLAN



SITE SECTION



PARKING AREA



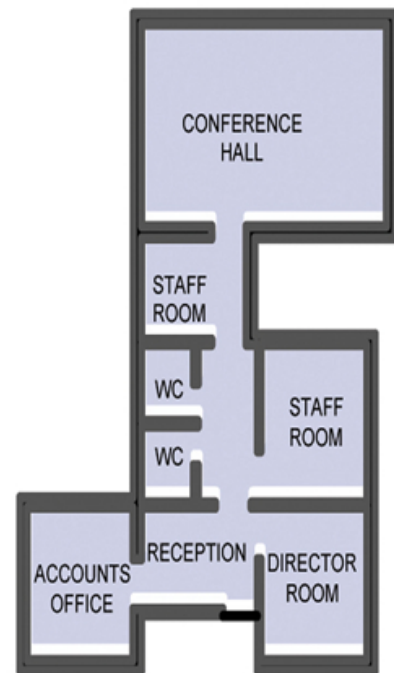
PRAYER AREA



CASE STUDY 2: SOS CHILDRENS VILLAGE GREENFEILD FARIDABAD, HARYANA.



STAFF + CANTEEN



ADMIN BLOCK

CONCEPT:

SOS CHILDREN'S VILLAGE WORKS WITH 2 BASIC CINCEPTS:

- 1.FAMILY CARE PROGRAMME,**
- 2.FAMILY STRENGTHENING P ROGRAMME.**

IN FAMILY CARE PROGRAMME IT I S A CURATIVE PROGRAMME THAT PROVIDES A FAMILY LIKE ENVIRO-
MENT FOR PARENTLESS & ABAN-
DONED
CHILDREN TO GROW UP IN.
WHEREAS FAMILY STRENGTHEN-
ING PROGRAMME IS A COMMUNI-
TY TO INTERACTION
PROGRAMME,DESIGNED TO PRE-
VENT CHILDREN FROM LOSING
PARENTAL CARE.THIS IS DONE BY
EMPOWERING CHILDREN &
WOMEN FROM VULNERABLE SEC-
TIONS OF SOCIETY.
THEY ALSO PROVIDES FINANCIAL
HELP TO THE PARENTS FOR
THEIR BETTER LIFE.



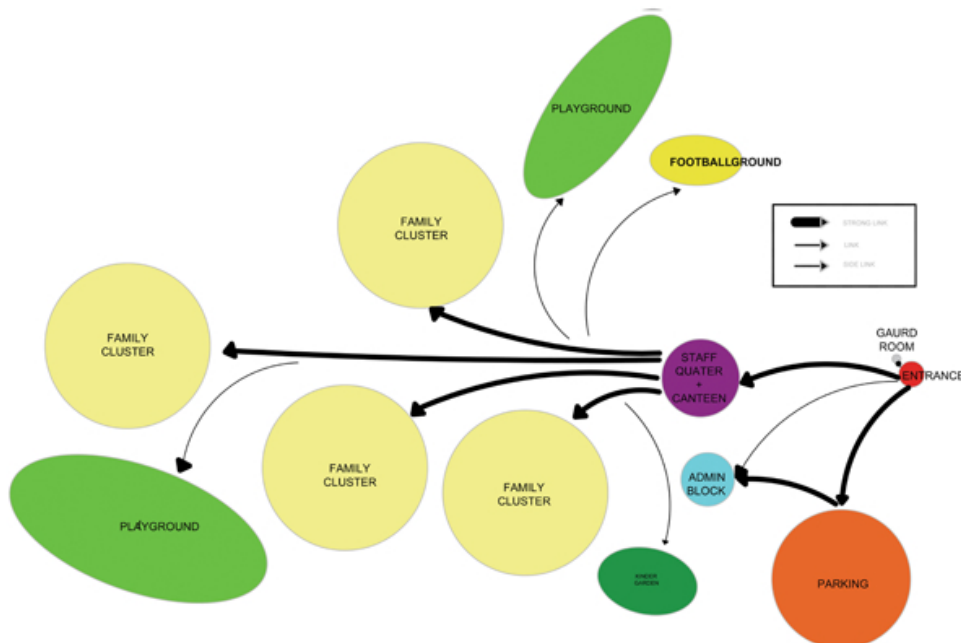
FAMILY HOUSE

CASE STUDY 2: SOS CHILDRENS VILLAGE GREENFEILD FARIDABAD, HARYANA.

FAMILY HOUSE & CLUSTER:

THERE ARE TOTAL 5 FAMILY CLUSTERS IN WHICH EACH OF THE CLUSTER CONSISTS OF FAMILY HOUSES.
EACH FAMILY HOUSE CONSISTS OF 8-10 CHILDREN WITH 1 MOTHER. HAVING 3 BEDROOMS FOR CHILDREN.
EACH CLUSTER IS PROVIDED WITH A O.A.T. FOR SOCIAL INTERACTION & GATHERING.
KIND GARDEN IS ALSO DESIGNED AT ABOUT 100MT. FROM THE FAMILY CLUSTERS.

BUBBLE DIAGRAM:



CLASSROOM

SUSTAINABILITY & PARKING:

1. HAVING SOLAR PANELS ABOVE ADMINISTRATION BLOCK WHICH GENERATES ELECTRICITY BY SUN.
2. IT HAS COMBINED PARKING SPACE FOR VISITORS & STAFF.
3. NATURAL TREES ARE USED FOR SHADING.



ADMIN BLOCK

CASE STUDY 2: SOS CHILDRENS VILLAGE GREENFEILD FARIDABAD, HARYANA.

BUILDING MATERIALS:

- 1.STONE CLADDING WALL WHICH IS OF 14 INCH IN WHICH 9 INCH WALL & 5 INCH CLADDING IS DONE.
- 2.CANTILEVER R.C.C. SLAB AT THE HEIGHT OF 3 FEET PROVIDED FOR ELECTRICAL APPILANCES & DINING.
- 3.STAINED GLASS IS USED FOR DIFFUSING LIGHT IN THE AREA OF KINDERGARDEN.
- 4.ON THE PATHWAY LIMESTONE TUMBLED COBBLE STONE PAVERS IS USED.MASOIC FLOORING IS DONE IN FAMILY HOUSE.

LANDSCAPNG:

- 1.THE SOS VILLAGE I VERY LUSH GREN CAMPUS WHER THE UNITS ARE COVERED WIT REES& SHRUBS.
- 2.THERE ARE MANY TYPES OF TREES LIKE ASHOKA, MANGO & FLOWERING TREES.
- 3.SHRUBS AR PLANTED NEAR THE PATHWAYS FOR PROVIDING THE DIRECTION OF CIRCULATION.
- 4.EACH AMILY HOUSE IS COVERED WITH TREES WHICH PROTECTS THE BUILDIN FROM DIRCT SUNLIGHT & PROVIDES PROPER VENTILATION.
- 5.COURTYARD IS ALSO COEREDWITH TREES.
- 6.THE STONE PAVEMENTS USEDAT PATHWAYS.



EXIT AREA



BASKET BALL AREA



PLAYGROUND



ENTRANCE

COMPARATIVE ANALYSIS

S.NO.	AREA	CASE STUDY 1	CASE STUDY 2	NORMS FOR 100 CHILDREN
1.	SITE AREA	3ACRES FOR 120 CHILDREN	3.5ACRES FOR 200 CHILDREN	250M. SQ. FOR 100 CHILDREN
2.	DORMITORY HALL FOR CHILD	225 M.SQ.	720 M.SQ.	250 M. SQ.
3.	DORMITORY HALL FOR STAFF	75 M.SQ.	240 M.SQ.	100 M. SQ.
4.	NO. OF STAFF REQUIRED	10	20	1 STAFF FOR A GROUP OF 10 CHILDREN
5.	HEAD QUARTER	-	-	60 M.SQ.
6.	COMMUNITY HALL FOR INDOOR GAMES & RECREATIONAL AREAS	-	-	250 M.SQ.
7.	DINING HALL	72 M.SQ.	1000 M.SQ.	150 M.SQ.
8.	KITCHEN & STORE	32.5 M.SQ.	320 M.SQ.	25 M.SQ.
9.	CLASSROOM	114 M.SQ.	-	250 M.SQ.
10.	LIBRARY	60 M.SQ.	-	100 M.SQ.
11.	ADMINIST- RATION BLOCK	300 M.SQ.	95 M.SQ.	100 M.SQ.

S.NO.	AREA	CASE STUDY 1	CASE STUDY 2	NORMS FOR 100 CHILDREN
12.	VOCATION TRAINING CENTER	180 M.SQ.	-	250 M.SQ.
13.	BATH & LAVATORIES	32 M.SQ.	140 M.SQ.	50 M.SQ.
+VE INFERENCE		CLASSROOM,LIBRARY & VOCATIONAL ACTIVITIES ARE PROVIDED WITH SUFFICIENT SPACES REQUIRED	CHILDREN ARE PROVIDED WITH THE FAMILY HOUSE WITH A STAFF LIVING LIKE THEIR MOTHER	
-VE INFERENCE		CLASSROOM,LIBRARY & VOCATIONAL ACTIVITIES ARE PROVIDED WITH SUFFICIENT SPACES REQUIRED	CHILDREN ARE PROVIDED WITH THE FAMILY HOUSE WITH A STAFF LIVING LIKE THEIR MOTHER. NO. OF STAFF ARE PERFECTLY SUITABLE WITH THE NORMS	
		NO SPACE ARE PROVIDED FOR HEAD QUARTERS & RECREATIONAL ACTIVITIES. AREA PROVIDED FOR THE KITCHEN & DINING ARE VERY SMALL.	NO VOCATIONAL & SCHOOLING ACTIVITIES HELD INSIDE THE SITE.THUS CHILDREN NEED TO GO THE NEARBY GOVERNMENT SCHOOL.	

LITERATURE STUDY 1: FALATOW JIGIYASO MALI

LOCATION: 50 KM. FROM BAMAKI,
MALI.

ARCHITECTS: F8 ARCHITECTURE,
GERARD VIOLANTE.

YEAR: 2012

PHOTOGRAPHS: VANJA BJELOBABA

BUILDING TYPE: SOCIAL WELFARE.

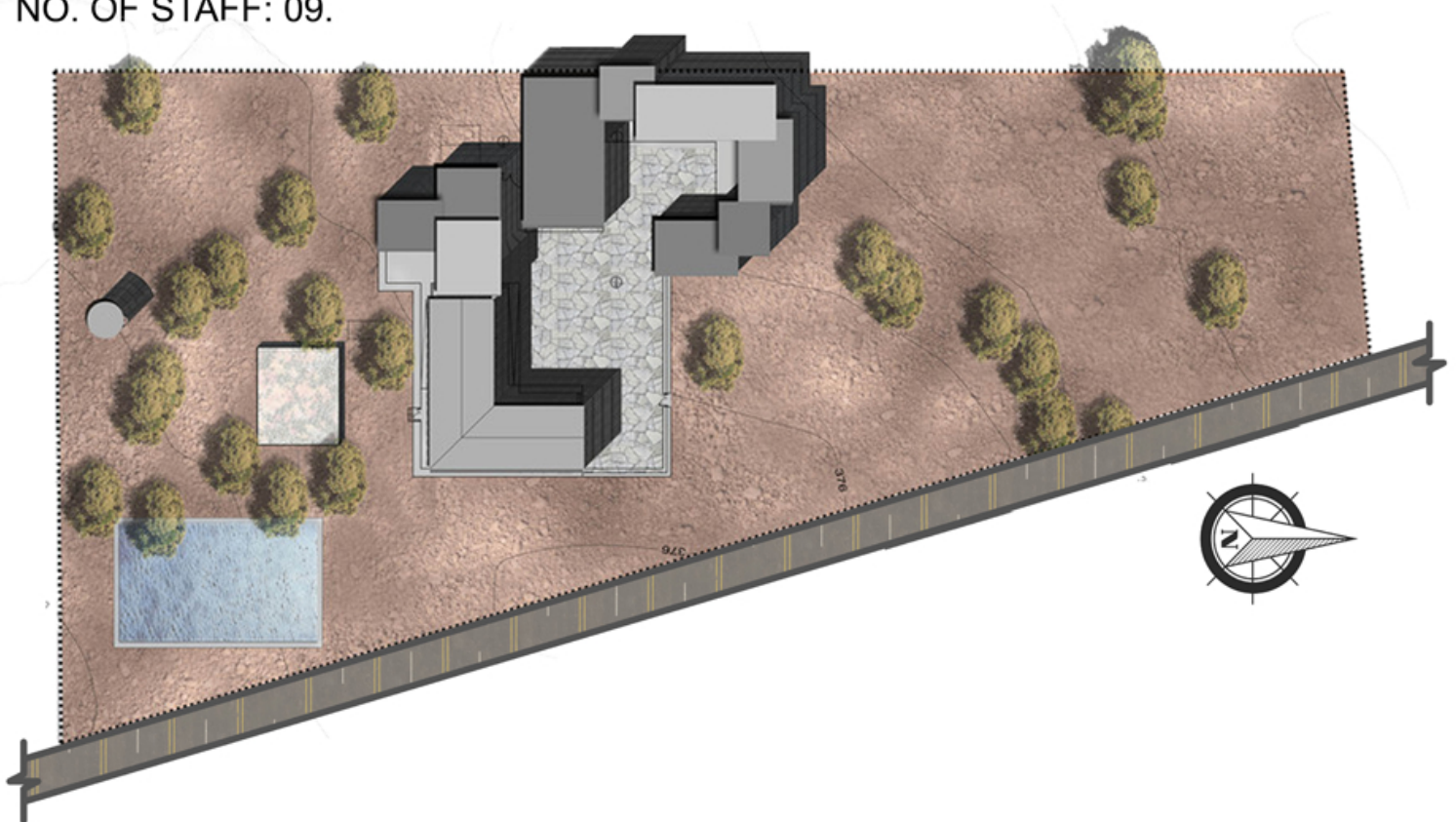
BUILDING USAGE: ORPHANAGE.

DIMENSIONS/AREA: 891 M.SQ.

NO. OF CHILDREN: 50

AGE: 0-18 YEARS.

NO. OF STAFF: 09.



CLIMATE CONDITIONS:

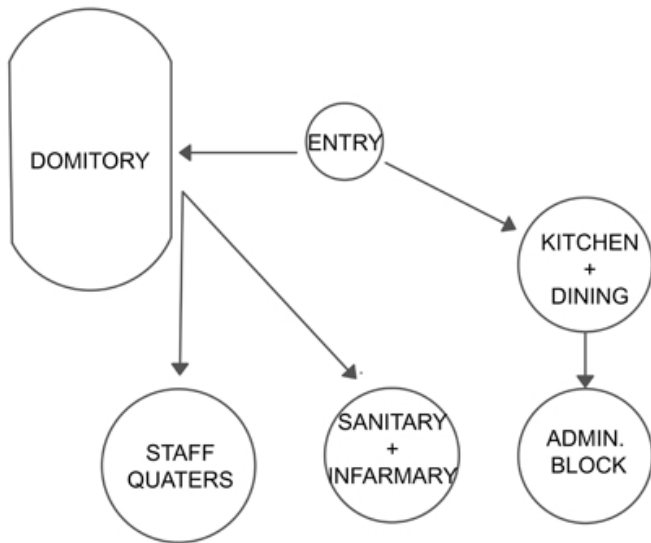
- *ON AVERAGE, THE TEMPERATURES ARE ALWAYS HIGH.
- *A LOT OF RAIN (RAINY SEASON) FALLS IN THE MONTH: JULY, AUGUST AND SEPTEMBER.
- *BAMAKO HAS DRY PERIODS IN JANUARY, FEBRUARY, MARCH, APRIL, NOVEMBER AND DECEMBER.
- *ON AVERAGE, THE WARMEST MONTH IS APRIL.
- *ON AVERAGE, THE COOLEST MONTH IS JANUARY.
- *AUGUST IS THE WETTEST MONTH. THIS MONTH SHOULD BE AVOIDED IF YOU ARE NOT A BIG FAN OF RAIN.
- *JANUARY IS THE DRIEST MONTH.

LITERATURE STUDY 1: FALATOW JIGIYASO MALI

CIRCULATION PATTERN:

*CLASSROOMS & TERRACES ARE LOCATED ON THE FIRST FLOOR FOR CHILDREN'S ACTIVITIES.

*BLOCKS ARE ARRANGED AROUND A CENTRAL YARD IN THE FASHION OF TRADITIONAL MALIAN & WEST AFRICAN ARCHITECTURE.



PRINCIPLES:

1. THE REDUCTION OF SOLAR HEAT GAIN.-

TO DO SO, AN ADDITIONAL ROOF IS PLACED ABOVE THE BLOCKS. THOSE ROOFS THAT GO OVER THE BLOCKS' EDGES PROTECT THE ROOMS FROM DIRECT SOLAR GAIN.

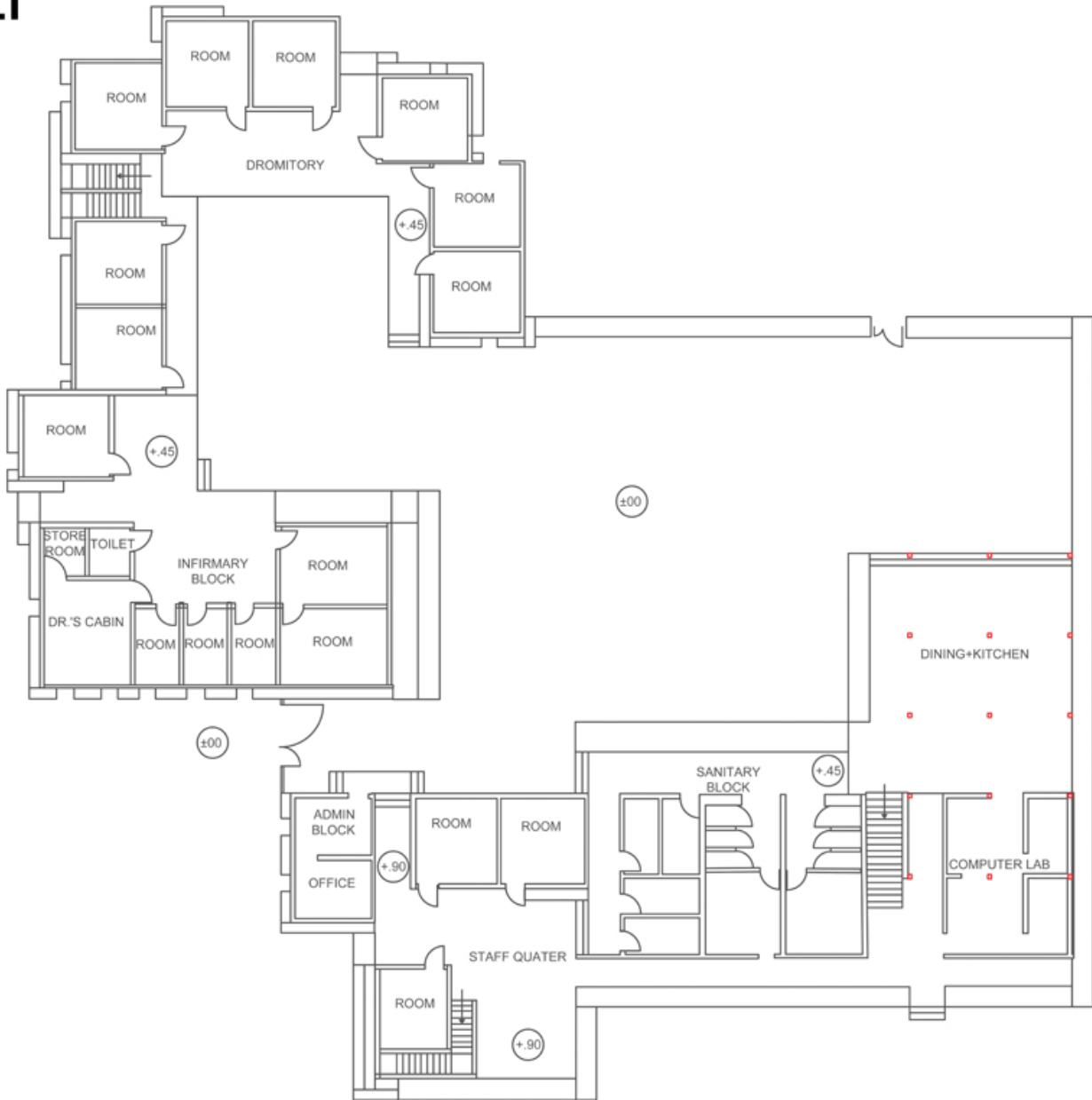
MOREOVER, THOSE EXTRA ROOFS PROTECT THE TERRACES LOCATED ON THE FIRST FLOOR AND USED FOR CHILDREN ACTIVITIES.

2. TO IMPROVE THE THERMAL MASS OF THE WALLS.-

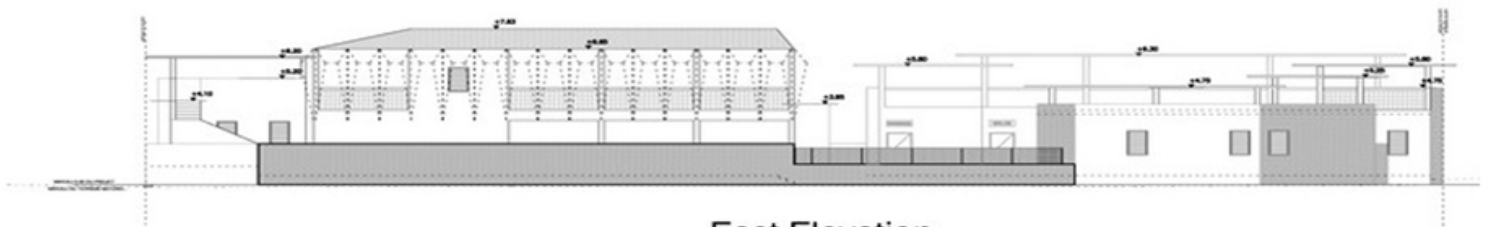
ALL THE WALLS ARE MADE OF "H"-SHAPE CONCRETE BLOCKS. THEN, THE HOLLOW CENTRES OF THE BLOCKS ARE FILLED WITH BANCO: A RECIPE OF MUD AND GRAIN HUSKS. BANCO IS EASILY FOUND IN MALI AND IS WELL-KNOWN FOR ITS STRONG THERMAL PROPERTIES. FINALLY, GABION CLADDING IS USED ON THE MOST EXPOSED FAÇADES.

3. NATURAL VENTILATION.- ON THE SCALE OF THE WHOLE ORPHANAGE, THE LAYOUT OF THE BLOCKS TENDS TO IMPROVE AIR CIRCULATION. ON A SMALL SCALE, EACH BLOCK FEATURES VENT GRILLS IN ORDER TO ALLOW NATURAL VENTILATION AND PASSIVE COOLING.

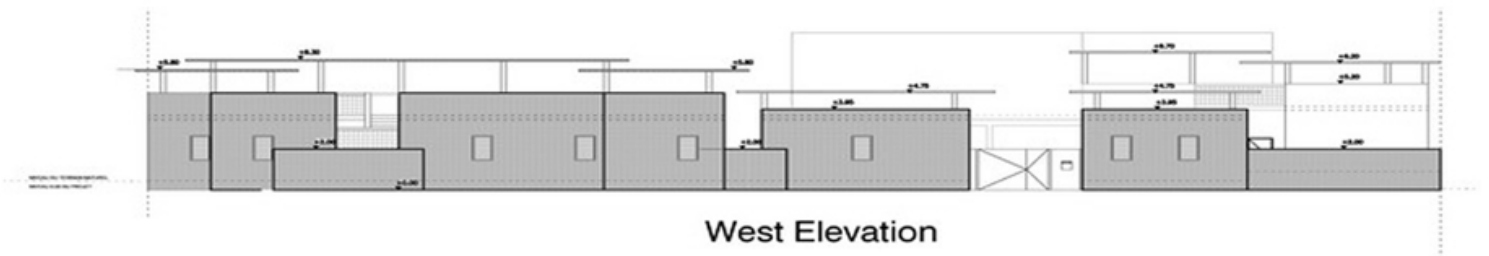
LITERATURE STUDY 1: FALATOW JIGIYASO MALI



GROUND FLOOR PLAN

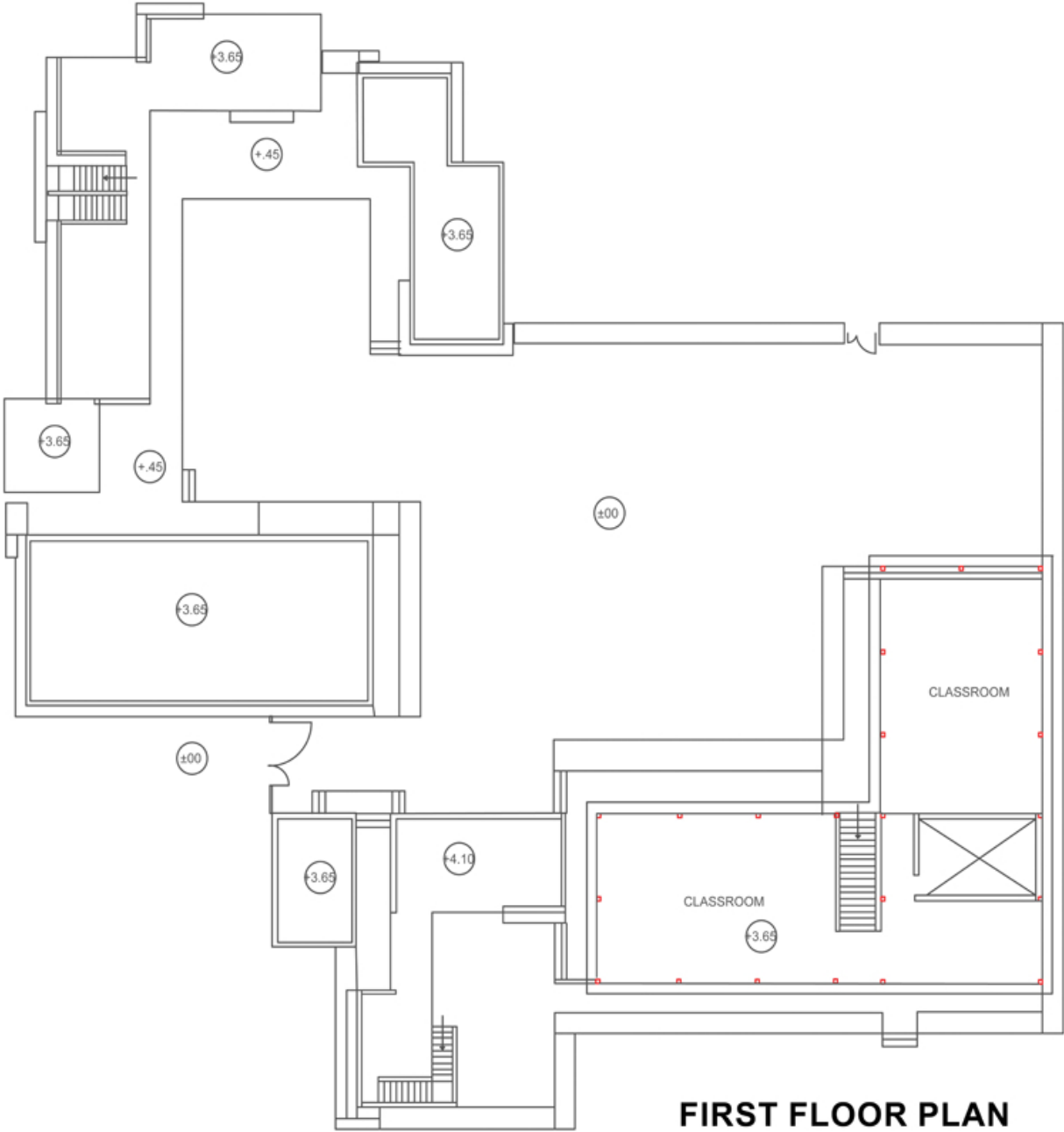


East Elevation

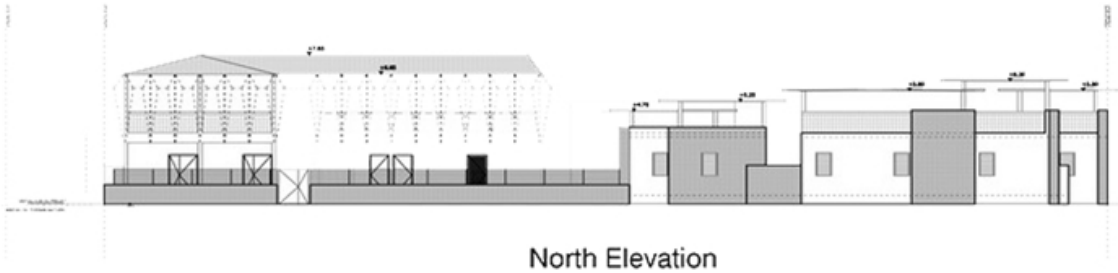


West Elevation

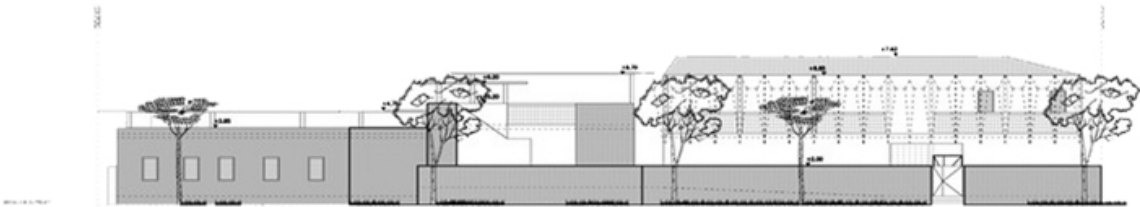
LITERATURE STUDY 1:
FALATOW JIGIYASO
MALI



FIRST FLOOR PLAN

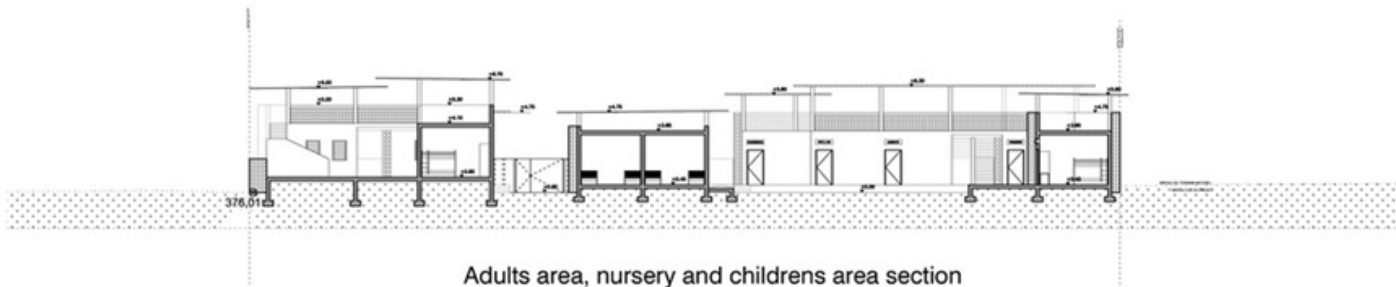


North Elevation

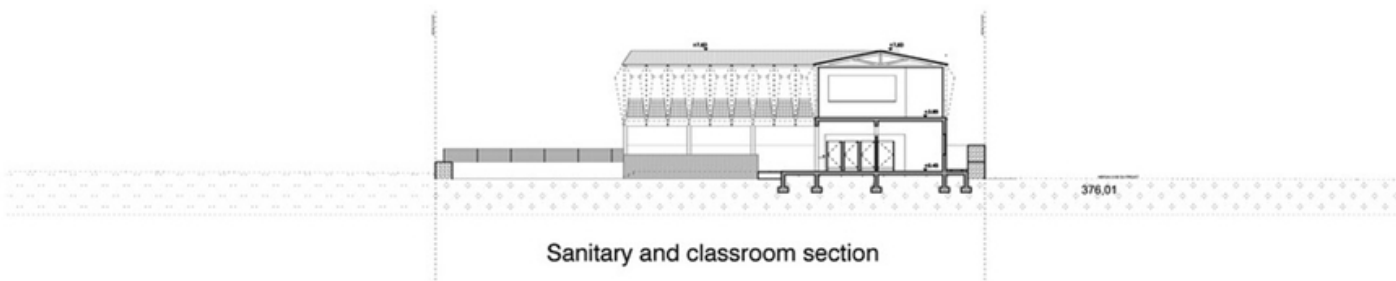


South Elevation

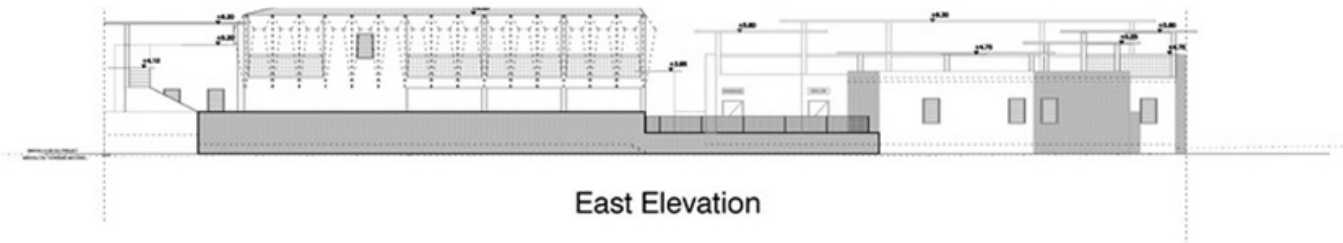
LITERATURE STUDY 1: FALATOW JIGIYASO MALI



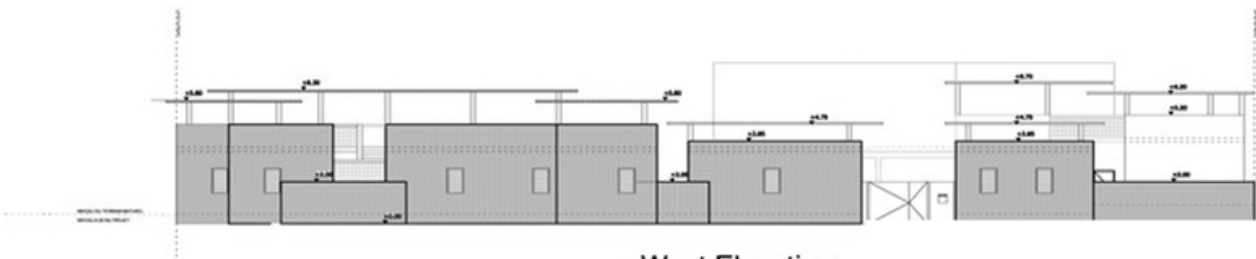
Adults area, nursery and childrens area section



Sanitary and classroom section



East Elevation



West Elevation

LITERATURE STUDY 2: REHABILITATION CENTER FOR HOMELESS CHILDREN EGYPT.

LOCATION: ALEXANDRIA, EGYPT

ARCHITECT: AHMED MAGDII, VISUALISER/ ARCHITECT

YEAR: 2012

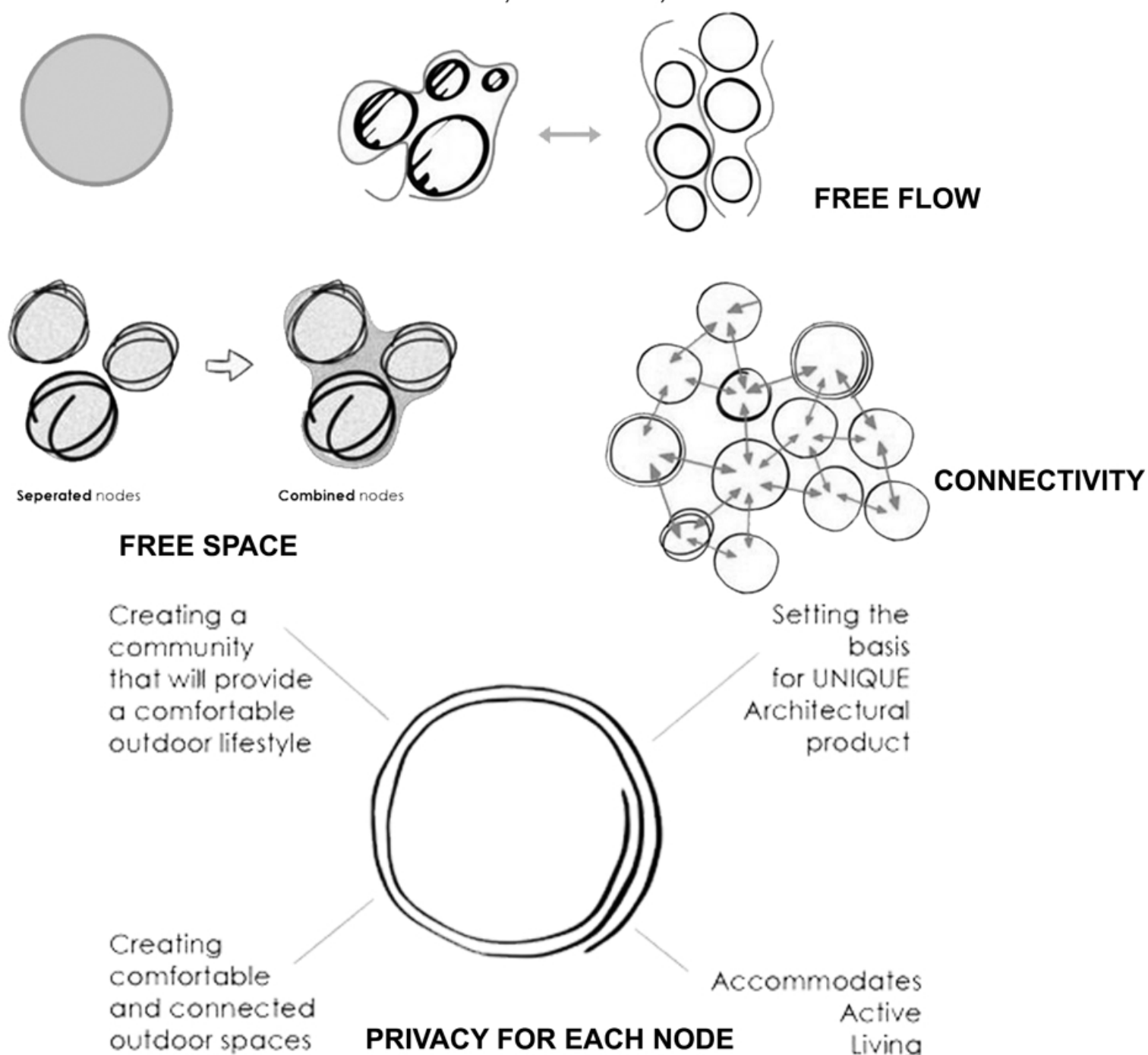
BUILDING TYPE: SOCIAL WELFARE.

BUILDING USAGE: REHABILITATION CENTER FOR HOMELESS CHILDREN.

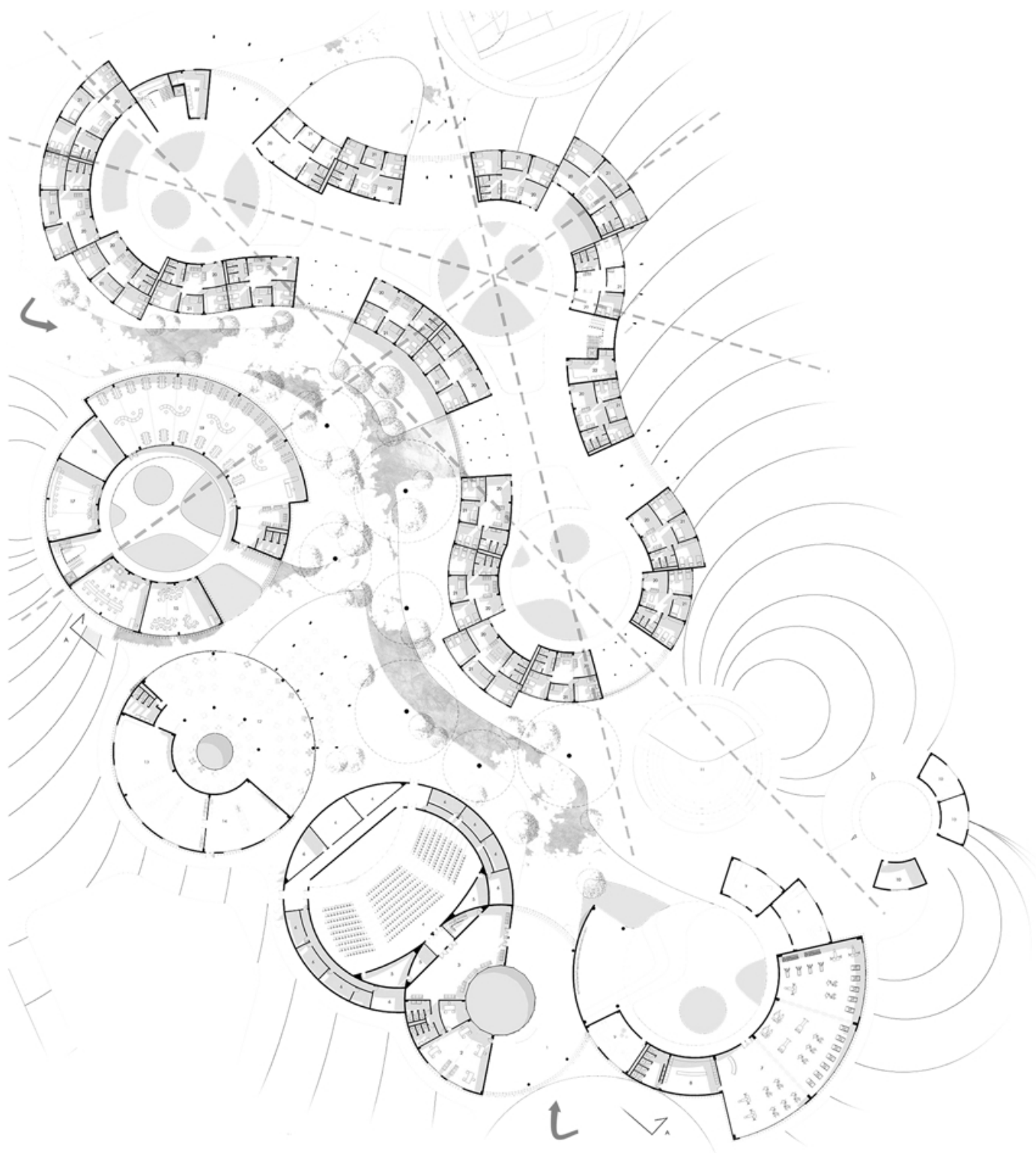
CONCEPT:

CONCEPT IS CIRCLE AS IT DEFINES CONNECTION, COMMUNITY, WHOLENESS, ENDURANCE, MOVEMENT, SAFETY, PERFECTION.

REFERS TO THE FEMININE: WARMTH, COMFORT, SENSUALITY & LOVE.

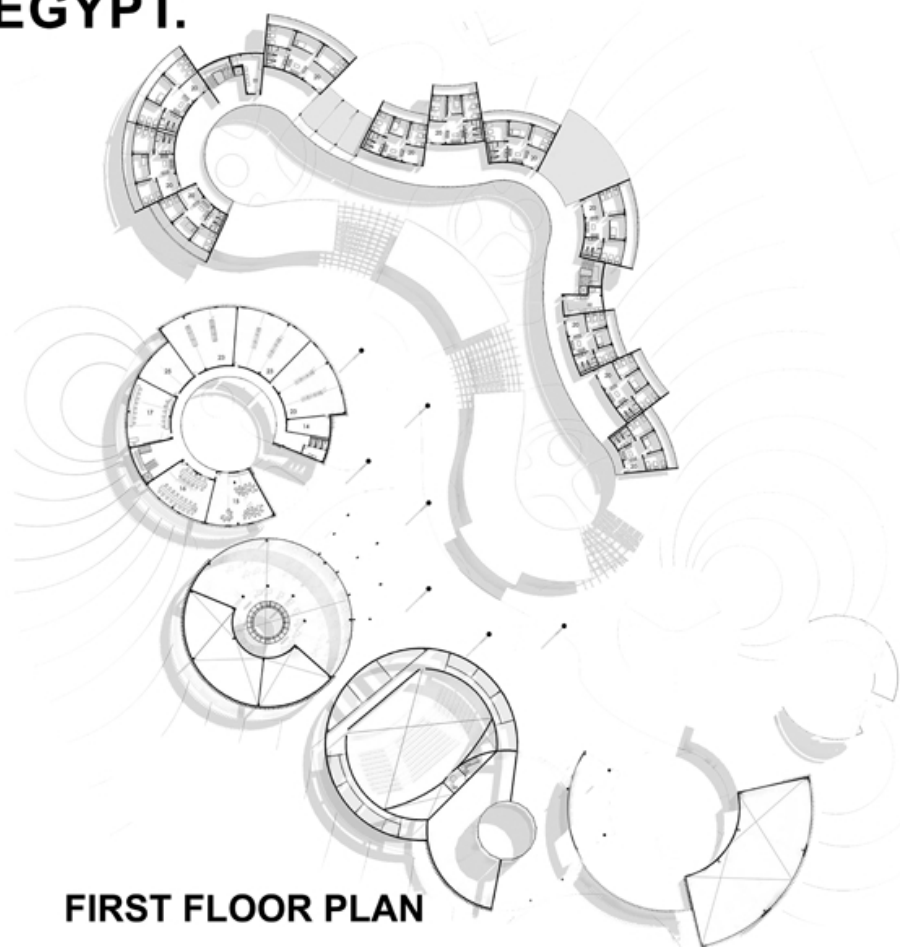


**LITERATURE STUDY 2:
REHABILITATION CENTER FOR HOMELESS CHILDREN
EGYPT.**



GROUND FLOOR PLAN

LITERATURE STUDY 2: REHABILITATION CENTER FOR HOMELESS CHILDREN EGYPT.



- 1- Main Entrance
- 2- Adminstraion
- 3- Foyer
- 4- Theater
- 5- Storage
- 6- Backstage and Services
- 7- Fitness Center
- 8- Locker room
- 9- Activity room
- 10- Healthcare
- 11- Open-air Theater
- 12- Restaurant
- 13- Kitchen
- 14- Storage
- 15- Art class
- 16- Classroom
- 17- Computer Lab
- 18- Archive
- 19- Library
- 20- Children's room
- 21- Nany's room
- 22- Laundry
- 23- Workshops
- 24- Projector room
- 25- Staff room



LITERATURE STUDY 2: REHABILITATION CENTER FOR HOMELESS CHILDREN EGYPT.



SITE PLAN

VISION:

A COMMUNITY IN WHICH CHILDREN ARE ENABLED TO ACHIEVE THEIR FULL ADULT POTENTIAL BY GROWING IN A SECURE & STABLE ENVIRONMENT THAT ENSURES ADEQUATE NUTRITION, GOOD HEALTH, PHYSICAL & EMOTIONAL SECURITY.

GOALS:

- 1.PROMOTE THE CULTURAL VALUES FOR THEM.
- 2.PROVIDE FORMAL & VOCATIONAL EDUCATION.
- 3.DEVELOPING THE SPIRITUALS TO INCREASE THEIR HABITS, BEHAVIOUS & ATTITUDE.
- 4.BUILD THE CAPACITY OF THE PERSONAL WORKING IN THE FEILD.
- 5.REMOVE THE CHILD FROM THE STREETS & BUILD THEIR CAPACITIES TO BE BETTER INTEGRATED.
- 6.CHANGE THE NEGATIVE ATTITUDE OF THE SOCIETY TOWARDS THE STREET CHILDREN.

HOW:

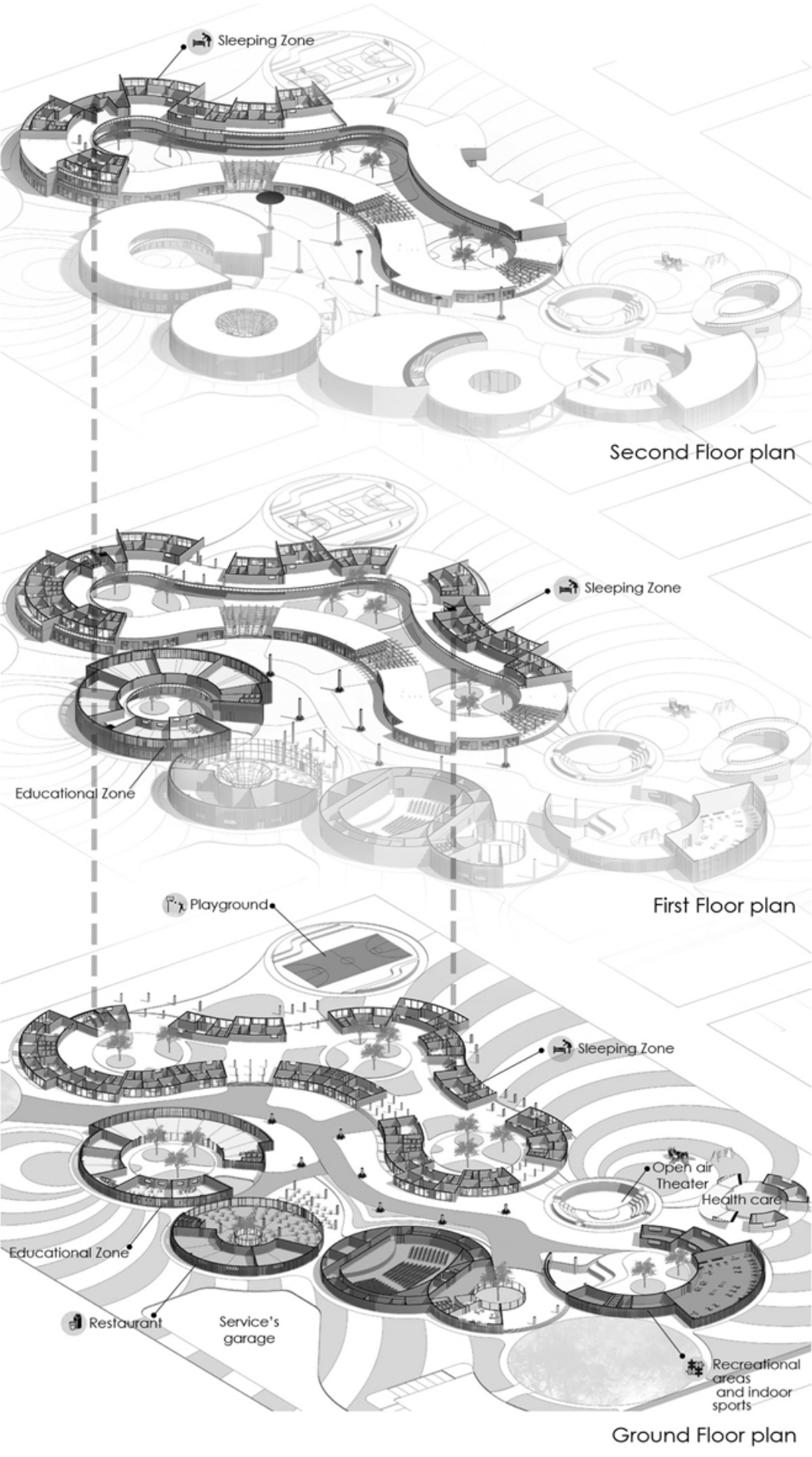
CHANGES CAN BE DONE THROUGH:

- 1.VOCATIONAL TRAINING & EMPLOYMENT.
- 2.EDUCATIONAL PROGRAMMES.
- 3.HEALTH CARE RECREATIONAL & CULTURAL PROGRAMS.
- 4.RESIDENTIAL FACILITIES.



- Children's bedroom
- Nany's bedroom
- living room

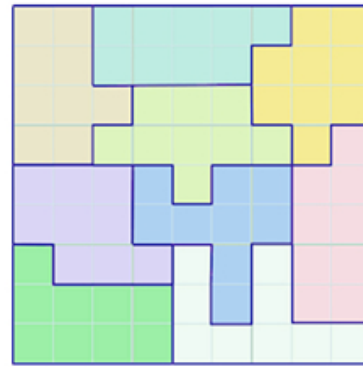
LITERATURE STUDY 2:
REHABILITATION CENTER FOR HOMELESS CHILDREN
EGYPT.



CONCEPT



3D FORM



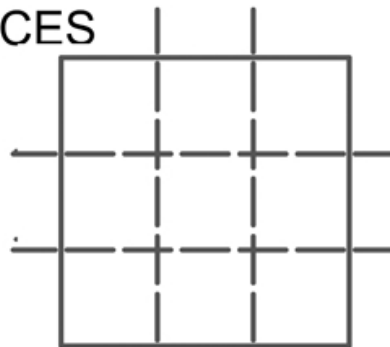
2D FORM

PUZZLE DEFINING SOMEONE TO FEEL CONFUSED OR
THEY CANNOT UNDERSTAND SOMETHING.
STREET CHILDREN ARE ONCE WHOSE LIVES ARE
FULL OF CONFUSION NOT FOR OTHERS BUT FOR
THEMSELVES ALSO.
THEY DON'T KNOW ABOUT THEIR FUTURE AS WELL
AS THEIR PRESENT.
RESOLVING THEIR PROBLEMS THROUGH OUR
CONCEPT & DESIGN FORMULATION.

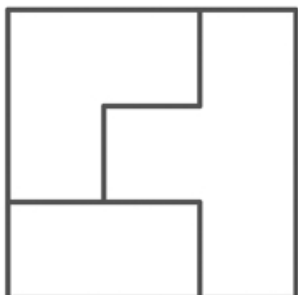
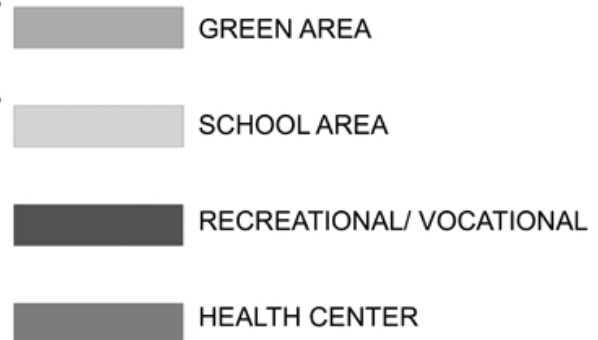
FORM EVALUATION: 2D FORMATION INSTITUTIONAL SPACES



STEP 1:TAKING A
RECTANGULAR PLOT



STEP 2:CREATING
9 EQUAL PARTS



STEP 3:CREATING DIFFERENT
PUZZLE SHAPES FORMING 3
DIFFERENT ZONES JOINING
2 OR MORE PARTS.



STEP 4:CREATING A
CENTRAL CUT OUT
FOR CROSS
VENTILATION.

CONCEPT

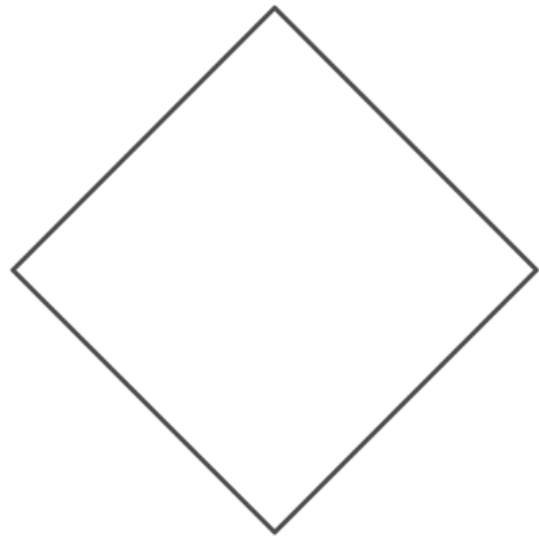
FORM EVALUATION:

3D FORMATION

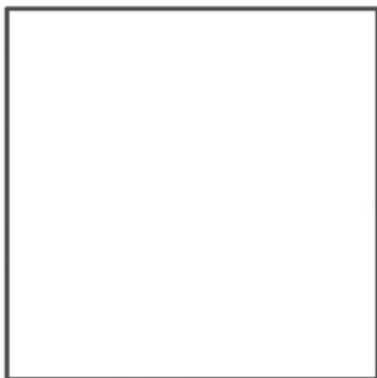
SOCIAL GATHERING SPACES



STEP 1:GROUND FLOOR
TAKING A SQUARE PLOT



STEP 2:FIRST FLOOR
ROTATING THE SQUARE TO 45ANGLE
PLACING IT TO THE SQUARE PLOT



STEP 3:SECOND FLOOR
AGAIN TAKING A SQUARE PLOT
PLACING IT TO THE
ROTATED SQUARE



DISTRIBUTING THE REQUIREMENTS INTO 4 PARTS ACCORDING TO THE
NEED OF THE CHILDREN.

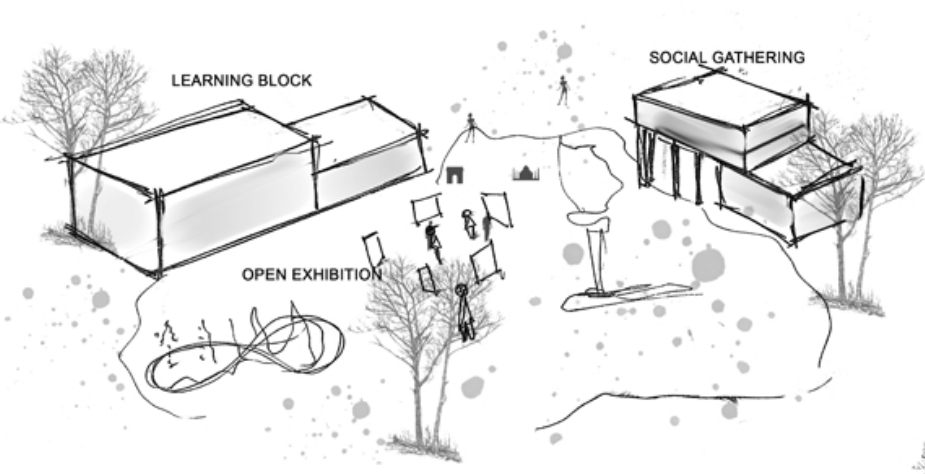
WHILE TREATING THE WHOLE SITE AS 2 MAJOR ZONES.

1:A RESIDENTIAL ZONE

2:A LIFE SUSTAINING ZONES.:SUCH AS VOCATIONAL TRAINING CENTER,
SCHOOL, RECREATIONAL ACTIVITIES, SOCIAL INTERACTION PLACES, ETC.

CONCEPT

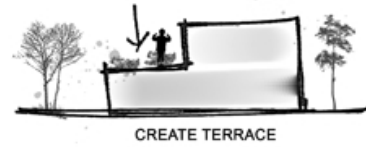
DESIGN ELEMENTS:



CONCEPTUAL VIEW OF CENTRAL COURTYARD



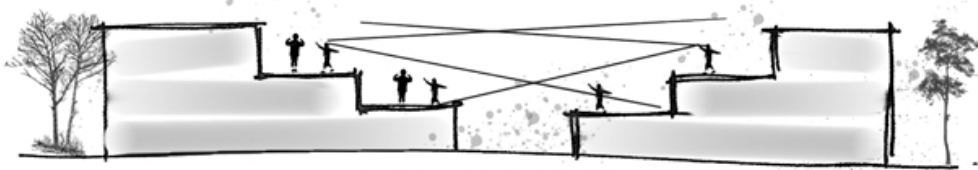
PUSH BLOCK AT ONE LEVEL



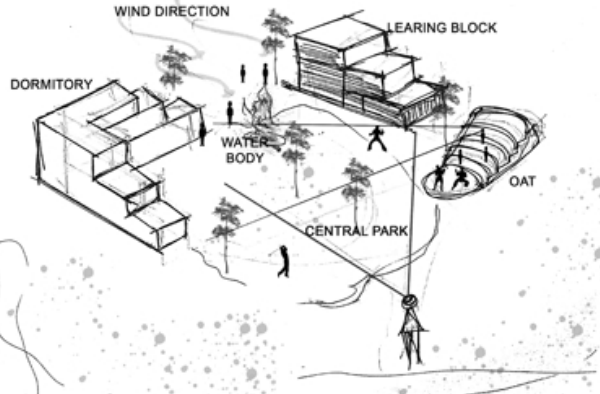
CREATE TERRACE



AGAIN CREATE TERRACE FOR SOCIALLY CONNECTION



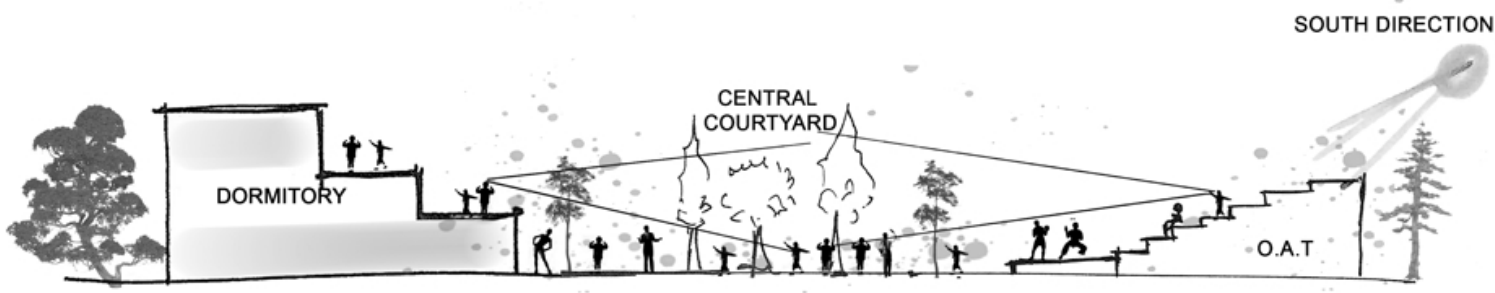
SOCIALLY CONNECTION BY TERRACES BETWEEN BLOCKS



CONCEPTUAL VIEW FROM ENTRANCE



SECTIONAL VIEW OF SOCIAL GATHERING

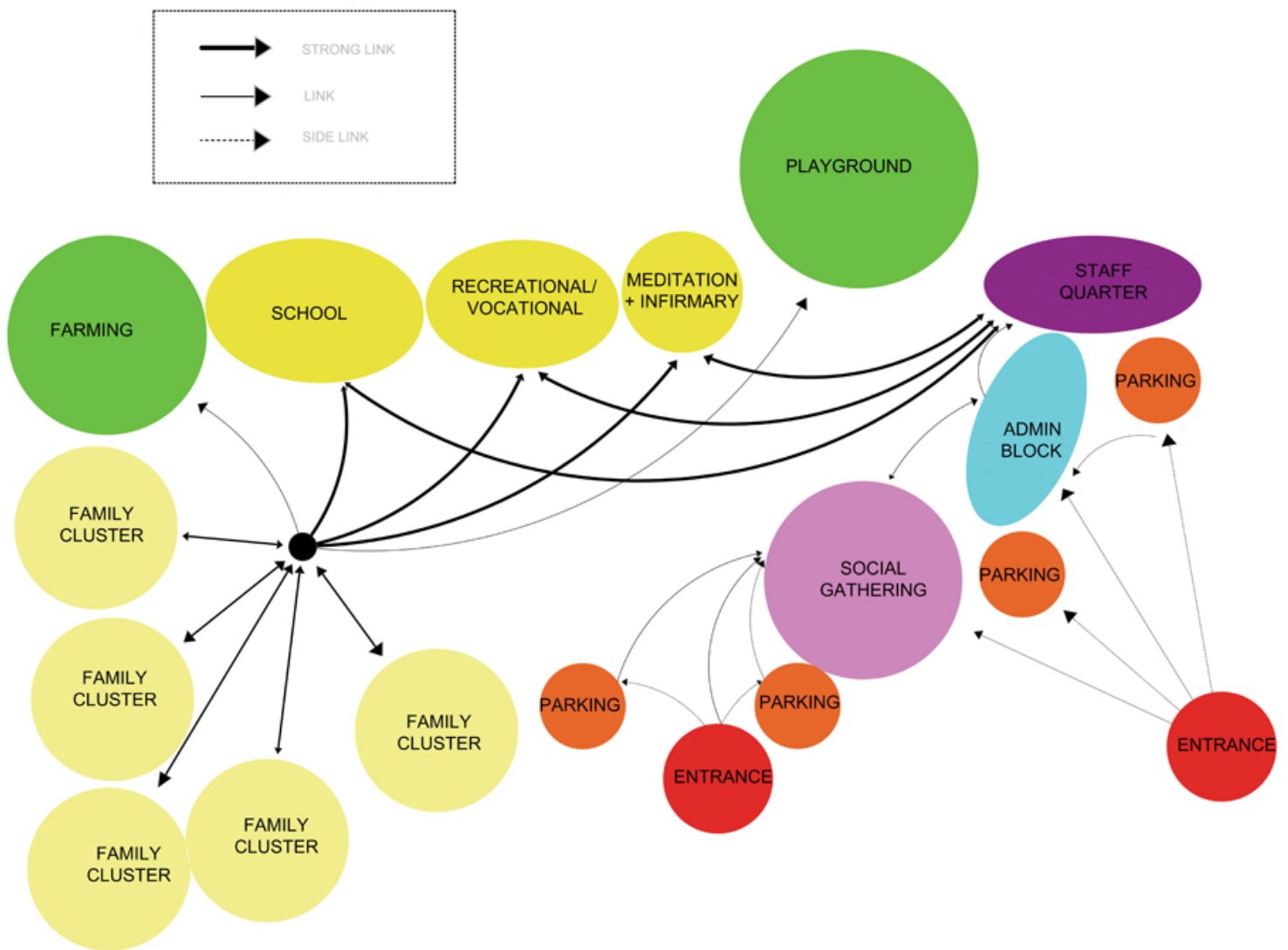


SOUTH DIRECTION

RELATIONSHIP BETWEEN O.A.T AND DORMITORY

SITE ZONING

BUBBLE DAIGRAM:



SITE ZONING:

DIVIDING OUR SITE INTO 4 PARTS.

PLACING THE MAJOR PART F THE REQUIREMENTS THAT IS OUR FAMILY HOUSES IN OTHE LARGEST PART OF THE SITE.

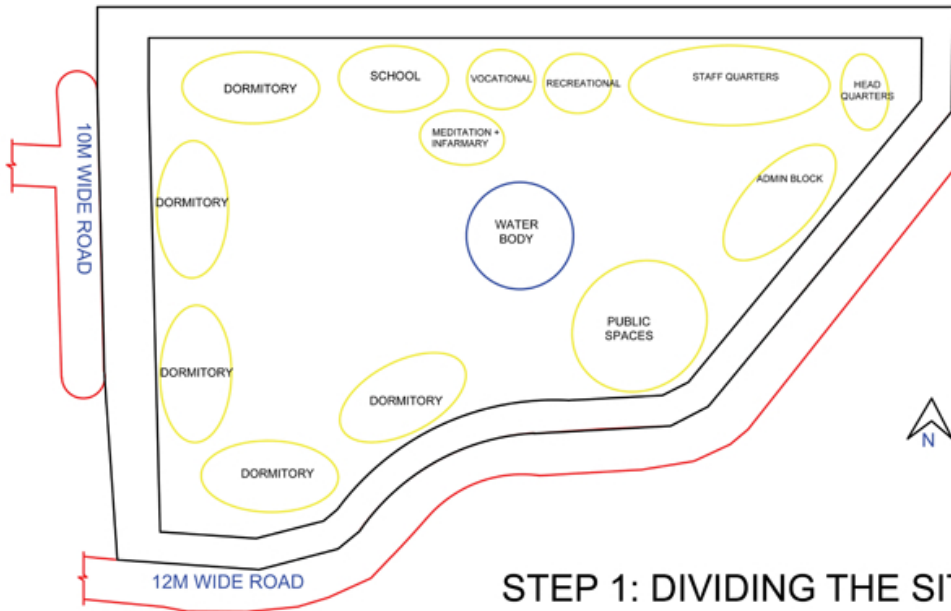
ALTHOUGH PLACING THE INSTITUTIONAL BLOCK AT THE REAR SIDE OF THE SITE BUT IN FRONT OF THE MAIN GATE.

PLACING THE SOCAIL INTERACTION SPACES AT THE FRONT OR THE CENTER OF THE SIDE WHICH IS DIRECTLY CONNECTED TO ALL THE BLOCKS.

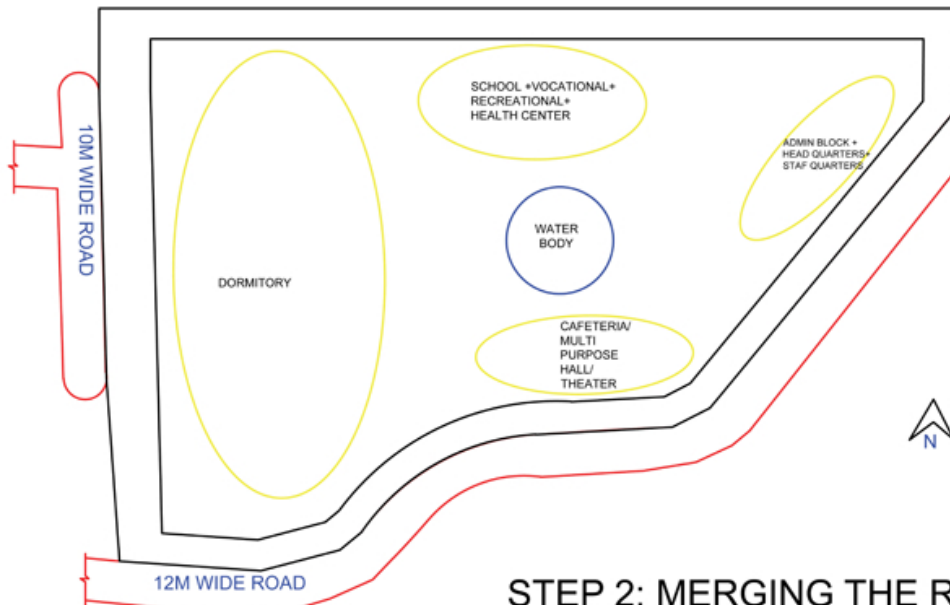
AS WELL AS PLACING THE ADMIN BLOCK WITH THE HEAD QAUTERS & THE STAFF QARTERS AT THE SIDE & THE SMALLEST CORNER OF THE SIDE.

ALTHOUGH PLACING THE OPEN AIR THEATER AT THE CENTEROF THE SIDE SO THAT ALL THA BLOCKS CAN GET DIRECT VIEWOF THE OPEN AIR THEATER.

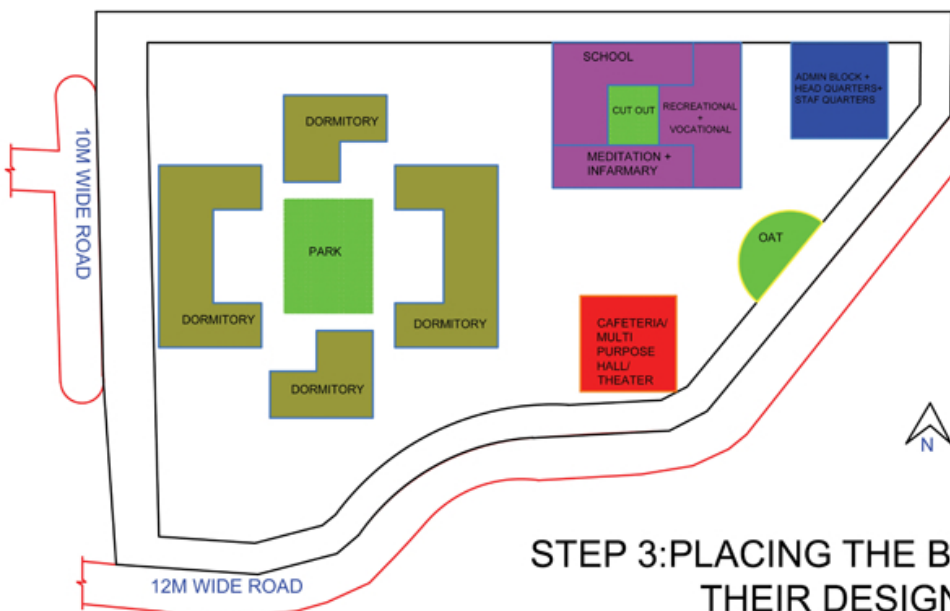
SITE ZONING



STEP 1: DIVIDING THE SITE INTO THE GIVEN REQUIREMENTS



STEP 2: MERGING THE REQUIREMENTS ACCORDING TO THEIR CONCEPT & DESIGN.

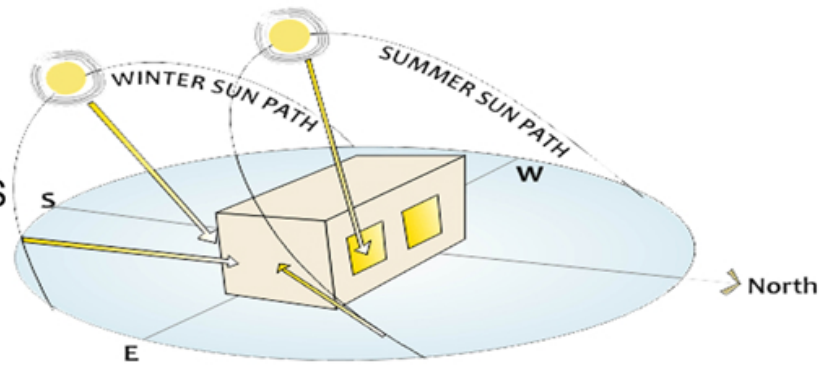


STEP 3: PLACING THE BLOCKS ACCORDING TO THEIR DESIGNED SHAPES

DESIGN TECHNIQUES

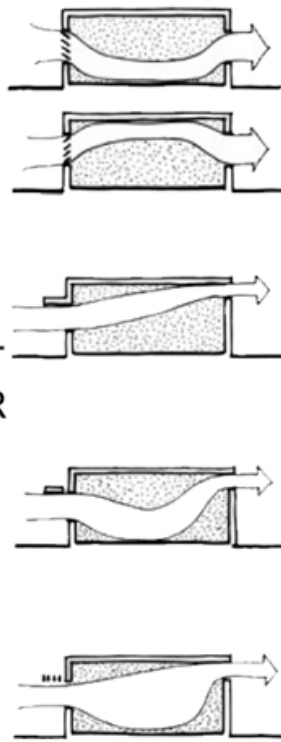
1. BUILDING ORIENTATION:

BUILDING SHOULD BE ORIENTED NORTH-SOUTH I.E. LONG AXIS COVERS THE DIRECTION OF EAST-WEST. SUCH THAT THE REDUCTION OF HEAT. IN SUMMERS, SUN PATH AT A HIGH ANGLE SOUTH TO E-W AXIS. IN WINTERS, SUN PATH AT A LOW ANGLE SUN, SOUTH TO E-W AXIS.



2. AIR MOVEMENT:

1. LOUVRES CAN DIRECT AIRFLOW UPWARD OR DOWNWARD. AS THE HOT AIR IS LIGHTER THAN THE COLD AIR THUS WHEN THE WINDOWS ARE AT DOWNWARDS & THE VENTILATORS ARE PLACED AT SOME HEIGHT THAN THE COLD AIR CAN GO ALL OVER THE ROOM.
2. A CANOPY OVER A WINDOW TENDS TO DIRECT AIR UPWARDS. THUS IT IS ACCEPTABLE TO BE PROVIDED AT COLDER REGIONS.
3. A GAP BETWEEN A CANOPY & A WALL ENSURES A DOWNWARD PREASURE.
4. DOWNWARD PREASURE IS IMPROVED FURTHER IN THE CASE OF LOUVERED SUNSHADE. HENCE APPLYING THE DIRECTION OF THE LOUVERS DOWNWARDS & PLACING IT AWAY FROM THE THE WALL, THE AIR MOVES IN THE WHOLE ROOM.



5. CROSS VENTILAION: THE PLACEMENT OF THE DOORS & WINDOWS HORIZONTALLY MAKES THE AIR MOVEMENT FLOW EASIER & FREQUENT.

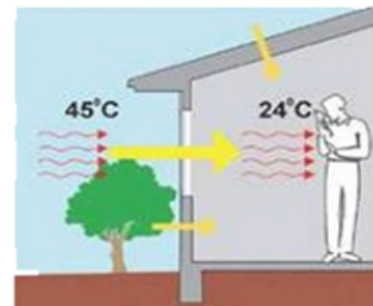
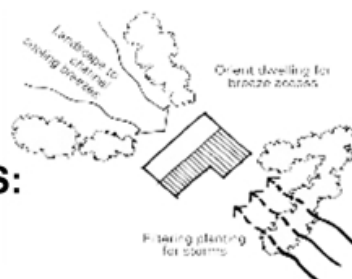
CROSS VENTILATION DECREASES THE DISCOMFORT IN THE ROOM.

6. PLACEMENT OF DOORS & WINDOWS AT DIFFERENT VERTICAL LEVELS TO ALLOW HOT AIR TO ESCAPE.
7. SMALLER INLET WINDOWS FACING PREVAILING WINDS & LARGER OUTLET WINDOWS ON OPPOSITE SIDE.



3. PROVISION OF TREES & WATER BODIES:

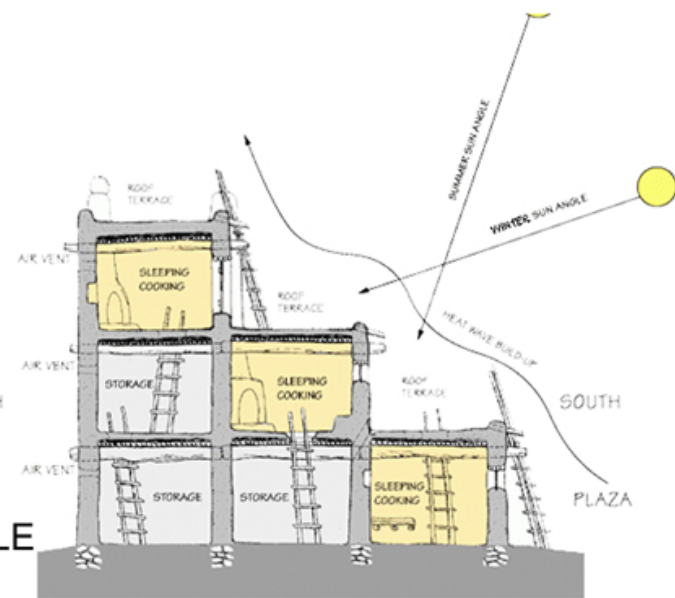
PORVISION OF PROVIDING TREES ON THE WAY OF THE PREVAILING WINDS REDUCES THE TEMPERATURE OF THE WIND. AS THE TREES ARE COOL HENCE THE WINDS PASSING THROUGH THEM DECREASES THEIR TEMPERATURE THEN THE NORMAL & THUS THE PROVISION OF TREES BECOMES NECESSARY IN COMPOSITE CLIMATES. SIMILARLY, PROVIDING WATER BODIES ALSO DECREASES THE TEMPERATURE OF THE PREVAILING WINDS.



DESIGN TECHNIQUES

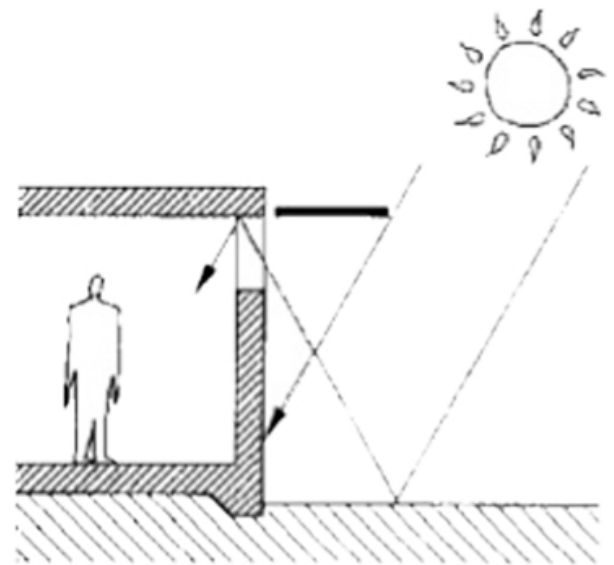
4.SPACING:

OPEN SPACING FOR BREEZE PENETRATION BUT REQUIRED PROTECTION FROM THE COLD & HOT WINDS. OPEN SPACES SUCH AS COURTYARDS ARE BENEFICIAL. BUILDINGS SHOULD BE GROUPED IN SUCH A WAY TO TAKE ADVANTAGE OF PREVAILING BREEZES DURING THE SHORT PERIODS WHEN AIR MOVEMENT IS NECESSARY. A MODERATELY DENSE LOW RISE IS ALSO SUITABLE FOR THIS CLIMATE, WHICH WILL ENSURE PROTECTION OF OUTDOOR SPACES. MUTUAL SHARING OF EXTERNAL WALLS, SHELTER FROM DUST & REDUCTION OF SURFACES EXPOSED TO SOLAR RADIATION.



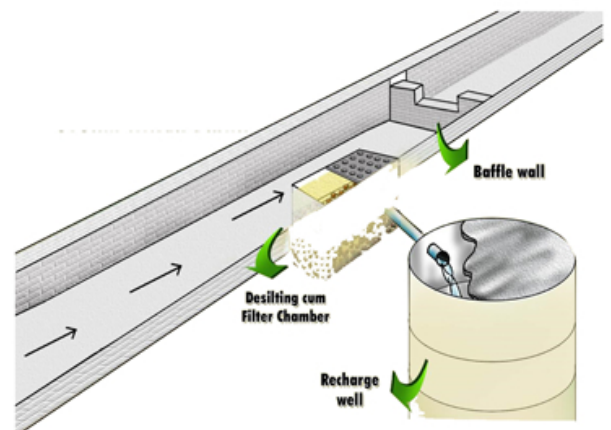
5.SIZE & POSITION OF OPENINGS:

SIZE OF OPENINGS SHOULD BE MINIMUM 15-20% OF THE TOTAL AREA OF THE ROOM, TO PROVIDE MINIMUM EXCESS OF SUN LIGHT INSIDE THE ROOM. POSITIONS OF OPENINGS IN NORTH & SOUTH WALLS AT BODY HEIGHT ON WINDWARD SIDE. PROTECTION OF OPENINGS SHOULD BE DONE SO THAT TO CHANGE THE ANGLE OF THE SUNLIGHT.



6.RAINWATER HARVESTING:

RAINWATER COLLECTION IS PREFERABLE TO BE ONE WITH THE HELP OF STORM WATER DRAIN. STORMWATER IS ANY WATER RUNNING OFF A LAND SURFACE BEFORE IT REACHES NATURAL WATER BODY. IT OCCURS WHEN THE RATE OF PRECIPITATION IS GREATER THAN IT CAN INFILTRATE, OR SOAK, INTO THE SOIL. RUNOFF ALSO OCCURS WHEN THE SOIL IS SATURATED. BAFFLE WALL IS REQUIRED TO BE PROVIDED SO THAT THE WATER GETS COLLECTED AT THE CERTAIN PLACE. DESILTING CUM FILTER CHAMBER FILTERS THE RAINWATER & PASSES IT TO THE RECHARGE WELL OR COLLECTION TANK.



AREA ANALYSIS:

REQUIREMENT	NO. OF PERSON	AREA PER PERSON	TOTAL AREA
ADMIN BLOCK:			
1.DIRECTOR ROOM + TOILET	1	24 + 6M ²	30M ²
2.ASSISTANT ROOM	1	APCS	24M ²
3.STAFF ROOM	10	5M ² /P	50M ²
4.ACCOUNT OFFICE + RECORD ROOM	10	5M ² /P	50M ²
5.CONFERENCE HALL	25	3M ² /P	75M ²
6.RECEPTION + WAITING AREA	20	1.5M ² /P	30M ²
7.CALL CENTER	10	5M ² /P	50M ²
8.PANTRY	1	APCS	18M ²
9.STORE ROOM	1	APCS	7.5M ²
10.SEMINAR HALL	30	3M ² /P	90M ²
9.GENTS/LADIES TOILET	4	3M ² /P	12M ²
TOTAL AREA			435M ²

DORMITORY:			
1.CHILDREN ROOM	4	5M ² /P	20M ²
TOTAL ROOM	3	20M ² /R	60M ²
2.W/C	1	3M ² /P	3M ²
3.BATHROOM	1	4M ² /P	4M ²
4.MOTHER'S ROOM	2	6M ² /P	12M ²
5.TOILET	1	APCS	3M ²
6.LIVING + DINING	12	2.5M ² /P	30M ²
7.KITCHEN	1	APCS	18M ²
8.UTILITY	-	APCS	8M ²
TOTAL AREA:			160M ²
TOTAL HOUSES	42	160M ² /H	6720M ²

REQUIREMENT	NO. OF PERSON	AREA PER PERSON	TOTAL AREA
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SCHOOL:			
1.CLASS ROOM	25	2M ² /P	50M ²
TOTAL ROOM	8	50M ² /C	400M ²
2.CLASS ROOM	25	3M ² /P	75M ²
TOTAL ROOMS	4	75M ² /C	300M ²
3.LECTURE HALL	25	2M ² /P	50M ²
TOTAL ROOM	2	50M ² /C	100M ²
4.COMPUTER HALL	100	5M ² /P	500M ²
5.LIBRARY	150	5M ² /P	750M ²
6.LABORATORY	25	2M ² /P	50M ²
TOTAL ROOM	2	50M ² /C	100M ²
7.STAFF ROOM	6	5M ² /P	30M ²
8.PRINCIPAL OFFICE + TOILET	1	APCS	24 + 6 =30M ²
9.STAFF TOILET	2	4M ² /P	8M ²
10.GIRLS/BOYS TOILET	4	3.75M ² /P	15M ²
TOTAL TOILET	3	15M ²	45M ²
11.PRAYER HALL	250	0.75M ² /P	187.5M ²
12.ACC. OFF.	2	5M ² /P	10M ²
13.RECORD ROOM	-	-	12M ²
TOTAL AREA: 2472.5M ² =2500M ²			

REQUIREMENT	NO. OF PERSON	AREA PER PERSON	TOTAL AREA
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RECREATIONAL BLOCK:

1.DRAWING ROOM	25	2M ² /P	50M ²
2.GAMES ROOM	50	3M ² /P	150M ²
3.DANCE/MUSIC HALL	50	5M ² /P	250M ²
4.COOKING ROOM	25	10M ² /P	250M ²
5.EMBROIDERY	25	2M ² /P	50M ²
6.PUPPETRY	25	3M ² /P	75M ²
7.CRAFT ROOM	25	6M ² /P	150M ²
8.BEAUTICIAN CLASSES	25	4M ² /P	100M ²
9.PAINTING CLASS	25	2M ² /P	50M ²
TOTAL AREA:			1125M ²

VOCATIONAL SERVICES:

1.BOOK BINDING	25	4.8M ² /P	120M ²
2.PLUMBING	25	4.8M ² /P	120M ²
3.TAILORING/ DRESS MAKING	25	4.8M ² /P	120M ²
4.SHOE-MAKING + DOMESTIC HOUSE WIRING	25	APCS	60M ²
5.SELF DEFENCE CLASSES	25	7M ² /P	175M ²
TOTAL AREA:			595 M ²

REQUIREMENT	NO. OF PERSON	AREA PER PERSON	TOTAL AREA
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FITNESS CENTER:			
1.MEDITATION HALL	100	5M ² /P	500M ²
2.CHANGING ROOM	10	3M ² /P	30M ²
3.STORE ROOM	-	-	16M ²
4.GENTS/LADIES TOILET	4	3M ² /P	12M ²
IN-PATIENT DEPARTMENT			
1.DOCTOR'S CABIN	1	APCS	20M ²
TOTAL CABINS	2	20M ² /C	40M ²
2.PHARMACY	6	5M ² /P	30M ²
3.PATIENT'S ROOM	10	10M ² /P	100M ²
4.STRETCHER AREA	2	10M ² /P	20M ²
5.NURSE ROOM	4	4.5M ² /P	18M ²
6.EMERGENCY WARD	2	10M ² /P	20M ²
7.X-RAY ROOM	-	-	20M ²
8. O.T.	-	-	30M ²
PSYCHOLOGICAL DEPARTMENT			
1.MOTIVATIONAL CLASSES	10	5M ² /P	50M ²
2.COUNSELOR ROOM	1	APCS	20M ²
3.GROUP DISCUSSION ROOM	1	APCS	15M ²
4.GENTS/LADIES TOILET	4	3M ² /P	12M ²
TOTAL AREA:			930M ²

REQUIREMENT	NO. OF PERSON	AREA PER PERSON	TOTAL AREA
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STAFF QUARTER:			
1.BEDROOM	2	10M ² /P	20M ²
TOTAL ROOM	25	20M ² /R	500M ²
2.TOILET	1	3M ² /P	3M ²
TOTAL TOILETS	5	3M ² /P	15M ²
3.BATHROOM	1	4M ² /P	4M ²
TOTAL BATHROOMS	5	4M ² /P	20M ²
5.COMMON ROOM	50	5M ² /P	250M ²
5.KITCHEN	5	APCS	50M ²
6.DINING AREA	50	2M ² /P	100M ²
7.STORE ROOM	-	-	40M ²
8.DISH WASHING AREA	-	-	40M ²
TOTAL AREA:			1015M ²

HEAD QUARTERS:			
1.MASTER BEDROOM + TOILET+ DRESS	2	12.5M ² /P	25M ²
2.BEDROOM	2	6M ² /P	12M ²
TOTAL ROOMS	2	12M ² /P	24M ²
3.TOILET	1	3M ² /P	3M ²
4.KITCHEN	-	-	12M ²
5.UTILITY	-	-	4M ²
6.LIVING ROOM + DINING HALL	6	5M ² /P	30M ²
7.STORE ROOM	-	-	3M ²
TOTAL AREA:			115M ²

REQUIREMENT	NO. OF PERSON	AREA PER PERSON	TOTAL AREA
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PUBLIC SPACES:			
1.MULTI-PURPOSE HALL	500	0.6M ² /P	300M ²
2.THEATER	500	0.6M ² /P	300M ²
3.BACK STAGE	24	5M ² /P	120M ²
4.STORAGE	1	APCS	20M ²
5.CAFETERIA	200	1.5M ² /P	300M ²
5.KITCHEN	10	5M ² /P	50M ²
6.STORE ROOM	1	APCS	20M ²
TOTAL AREA:			1110M ²

BYLAWS:

TOTAL SITE AREA: 7.5 ACRES =30370 M²

PERMISSIBLE F.A.R.= 1.2, GROUND COVERAGE=30%

TOTAL BUILD UP AREA= 1455M² + 25%

CIRCULATION + 10% WALLS

=19700 M²

GROUND COVERAGE= 8338M² =27%

FIRST FLOOR AREA= 5120M²

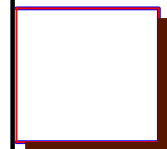
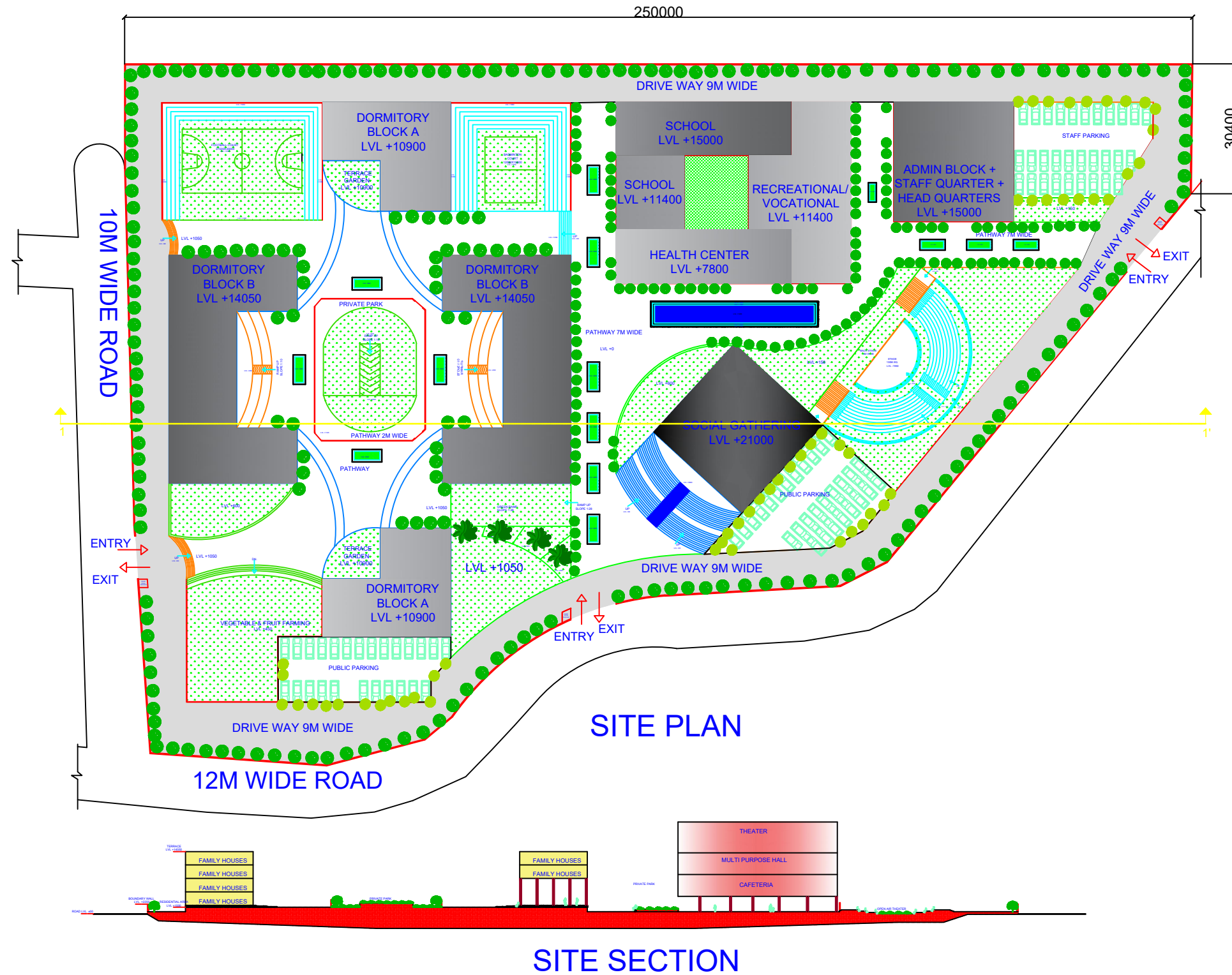
SECOND FLOOR AREA= 1040M²

ARCHIVED F.A.R.= 0.64

NO. OF CAR PARK= 2E.C.S. PER 100M²

=19700 X 2/100

=394CARS



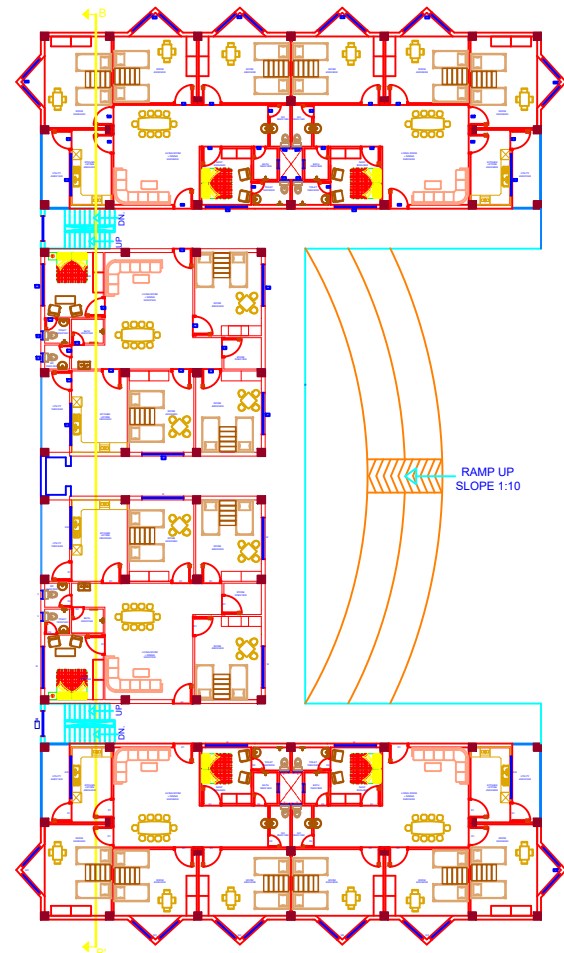
Topic:-
DETAILS OF SITE

**STREET CHILDREN
REHABILITATION CENTER**
NIKITA AGARWAL
B.Arch Vth yr , Xth SEM ,1150101049

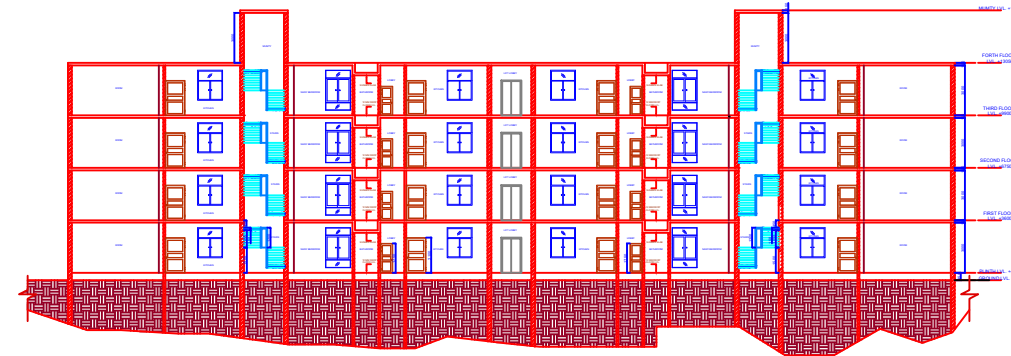
**THESIS GUIDE:-
AR. ANKUR SAXENA**

SHEET NUMBER:-01
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SCALE: 1:500

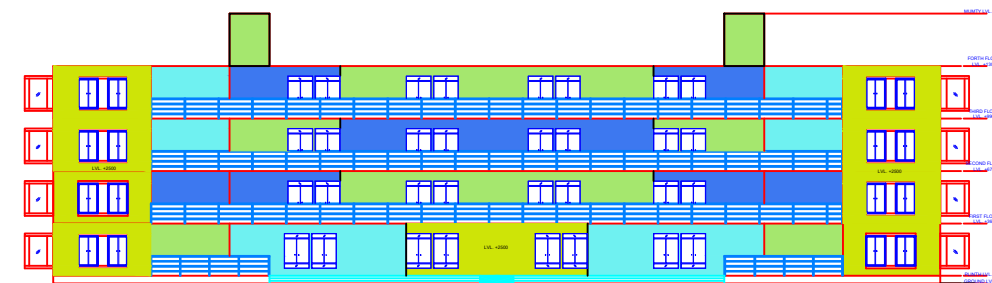




TYPICAL FLOOR PLAN
BLOCK A

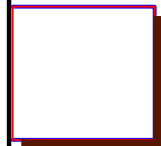


SECTION AT BB'



FRONT ELEVATION

FAMILY HOUSES



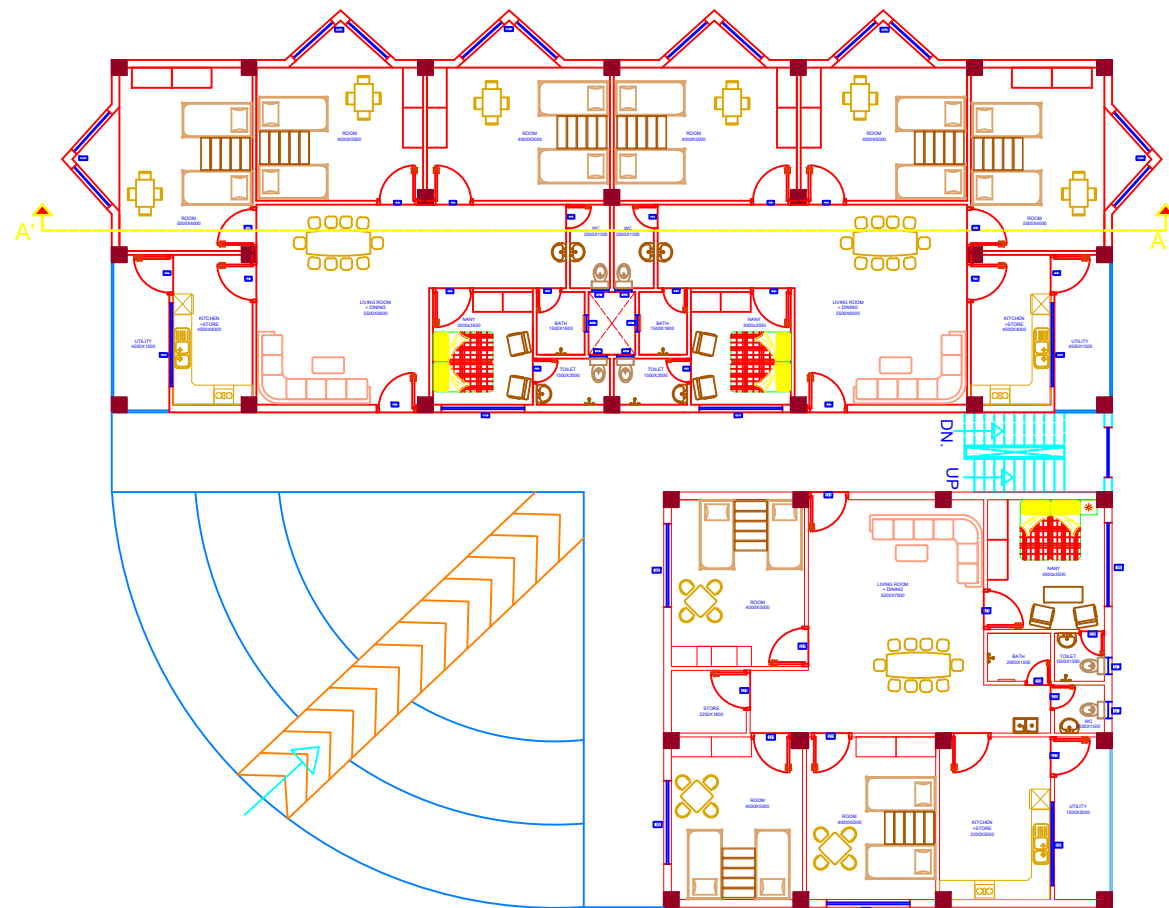
Topic:-
DETAILS OF SITE

**STREET CHILDREN
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NIKITA AGARWAL
B.Arch Vth yr , Xth SEM ,1150101049

**THESIS GUIDE:-
AR. ANKUR SAXENA**

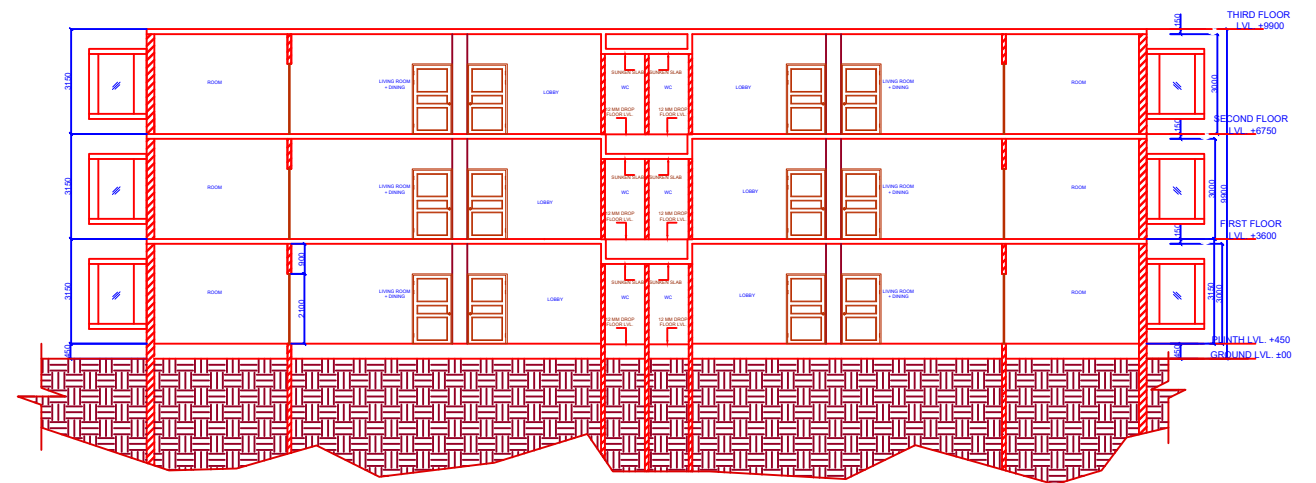
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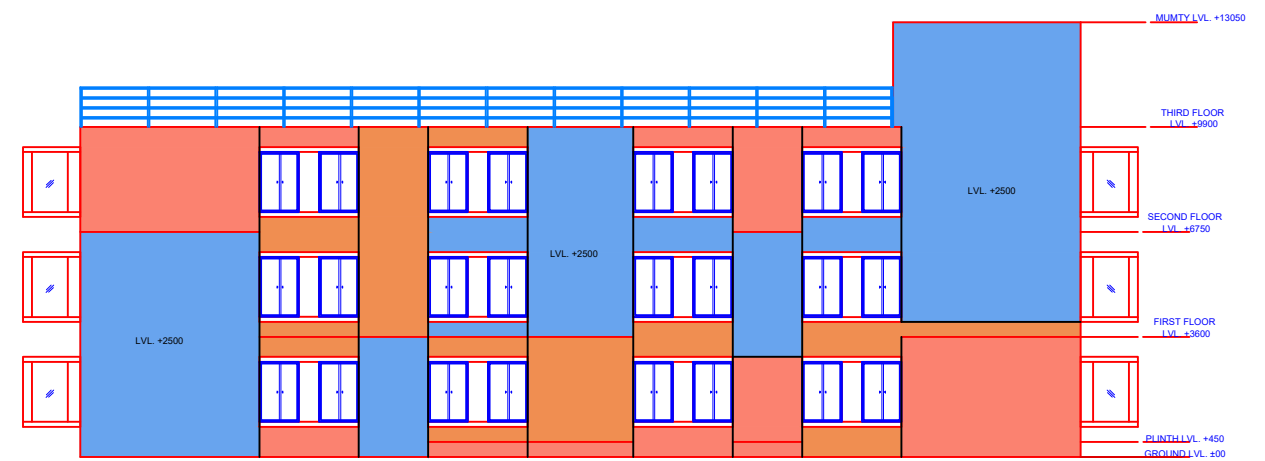


TYPICAL FLOOR PLAN
BLOCK B

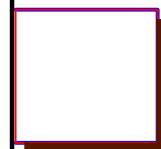
FAMILY HOUSES



SECTION AT AA'



SIDE ELEVATION



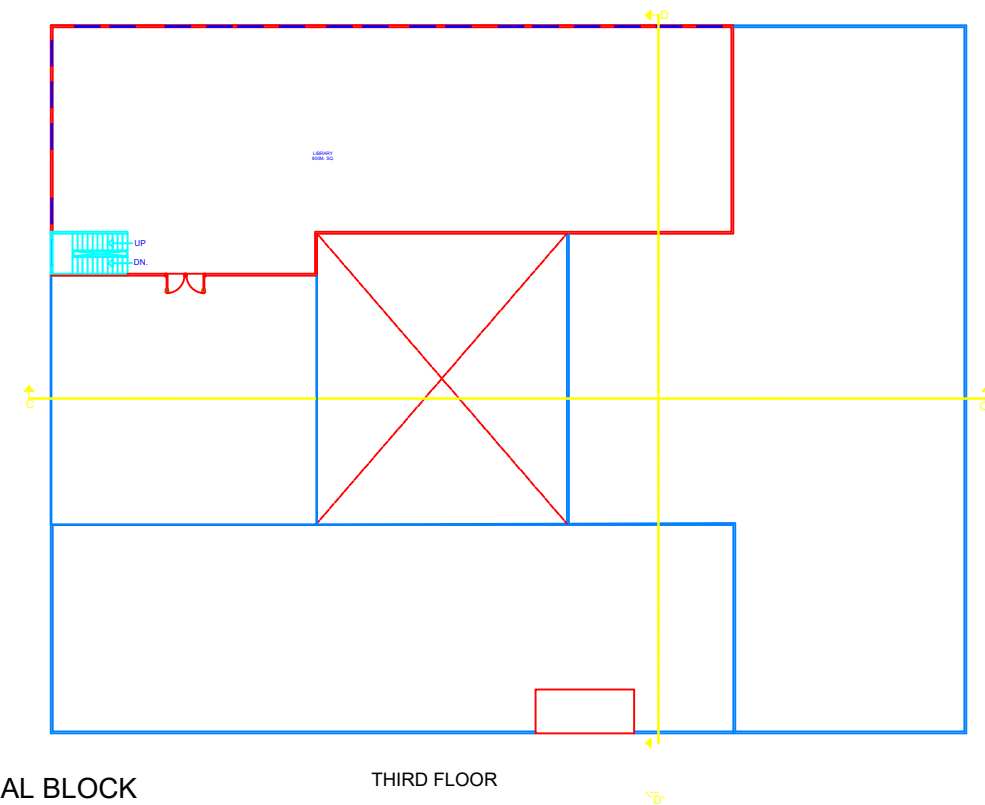
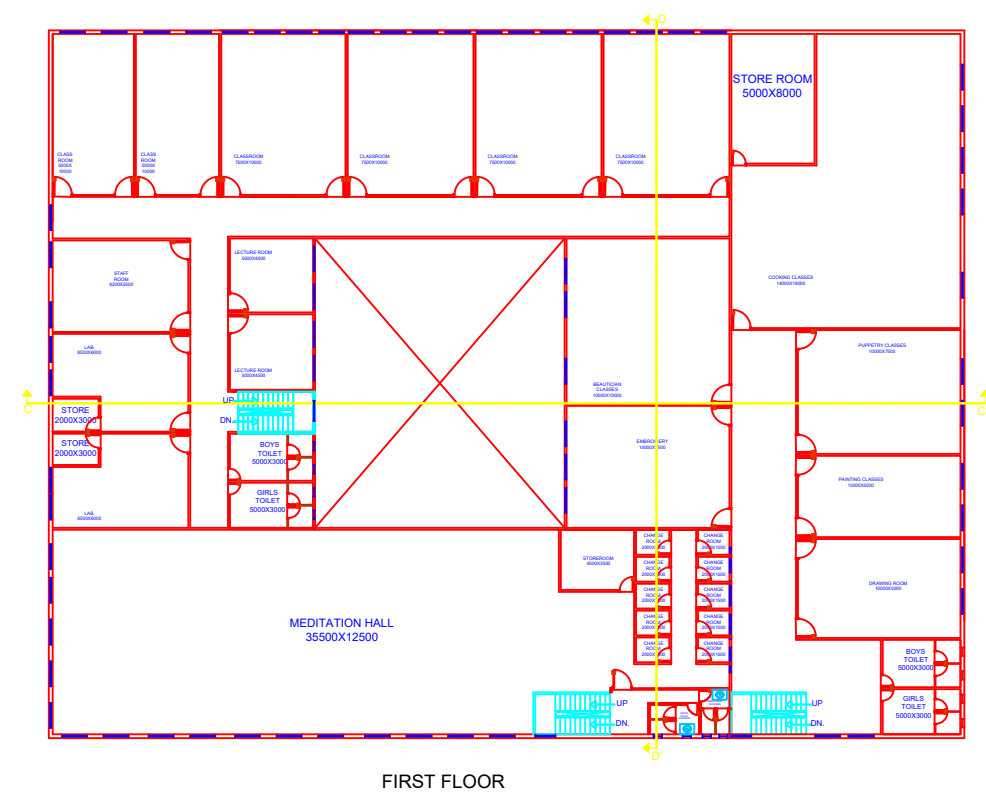
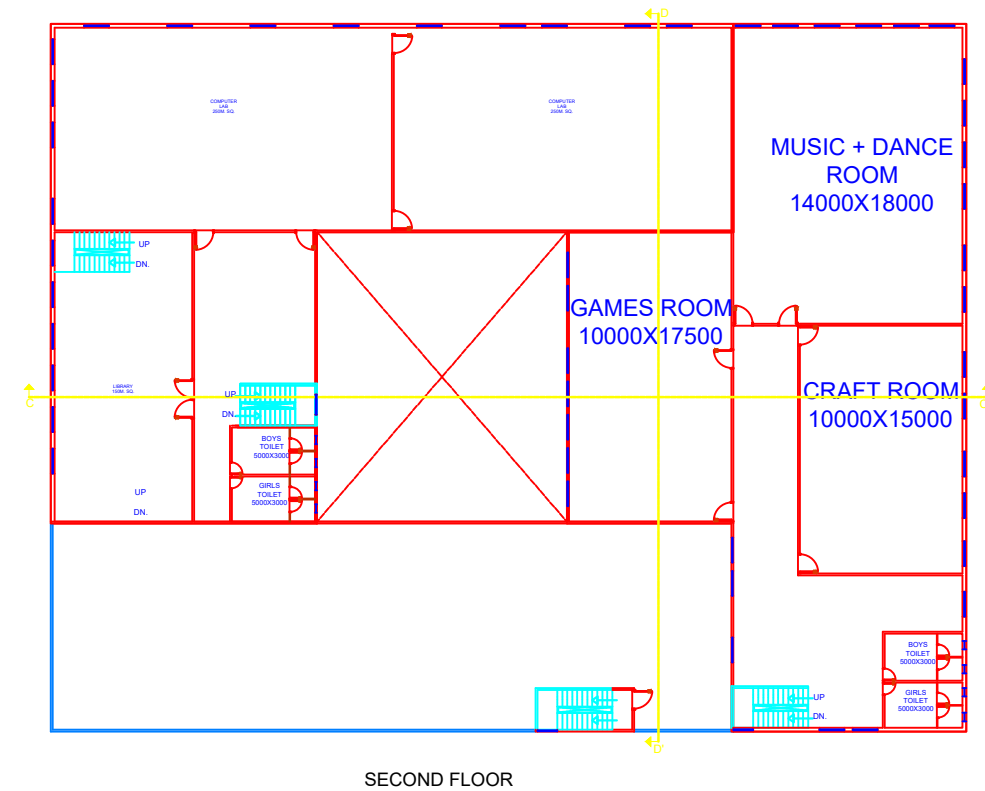
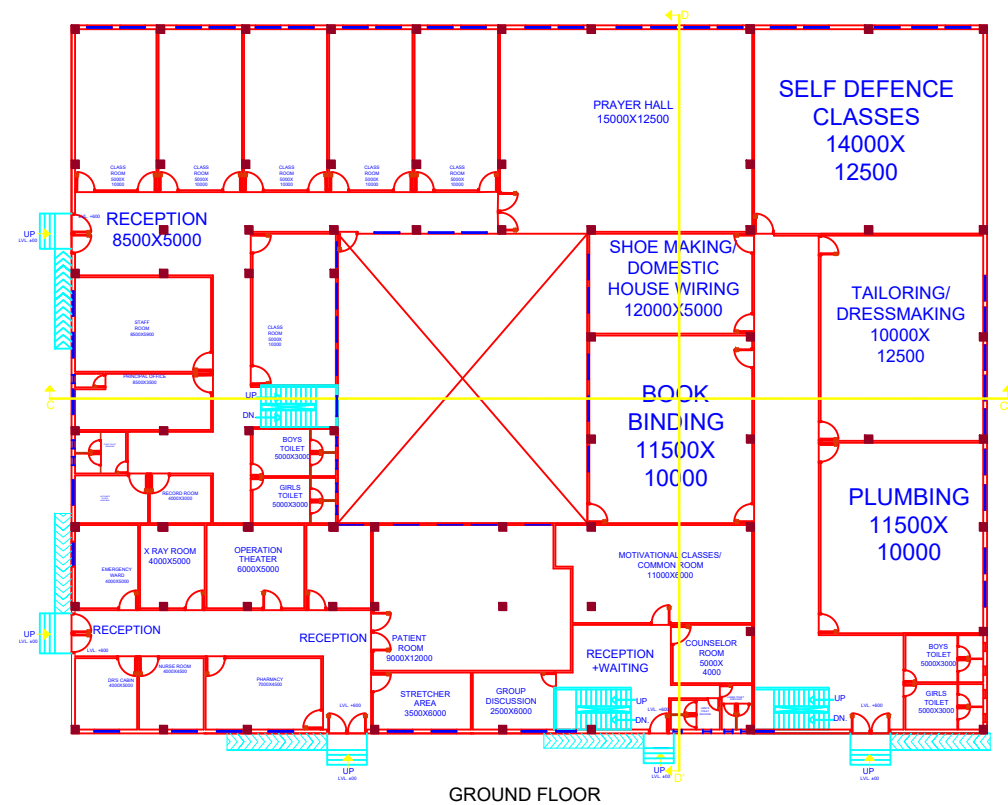
Topic:-
DETAILS OF SITE

**STREET CHILDREN
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**THESIS GUIDE:-
AR. ANKUR SAXENA**

SHEET NUMBER:- 03
ALL DIMENSIONS ARE IN MM
SCALE: 1:100





INSTITUTIONAL BLOCK

THIRD FLOOR

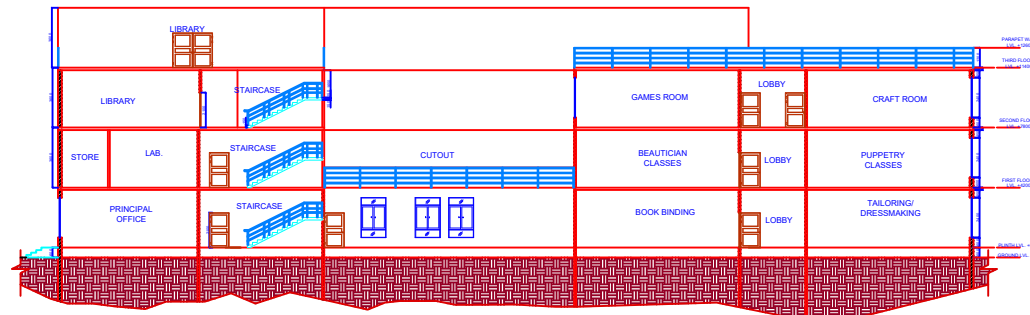
Topic:-
DETAILS OF SITE

**STREET CHILDREN
REHABILITATION CENTER
NIKITA AGARWAL
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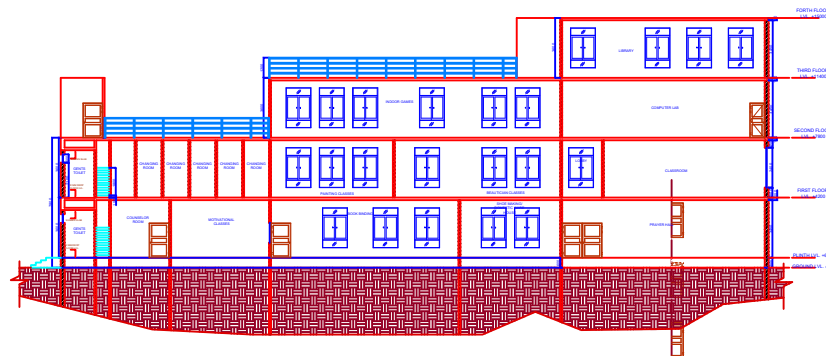
THESIS GUIDE:- AR. ANKUR SAXENA

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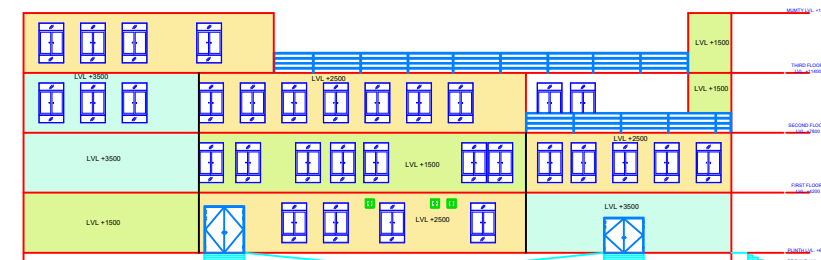




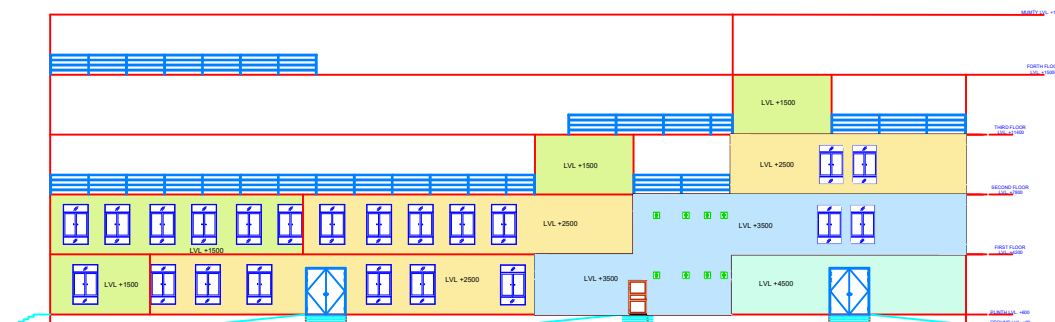
SECTION AT CC'



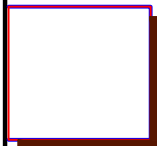
SECTION AT DD'



SIDE ELEVATION



FRONT ELEVATION



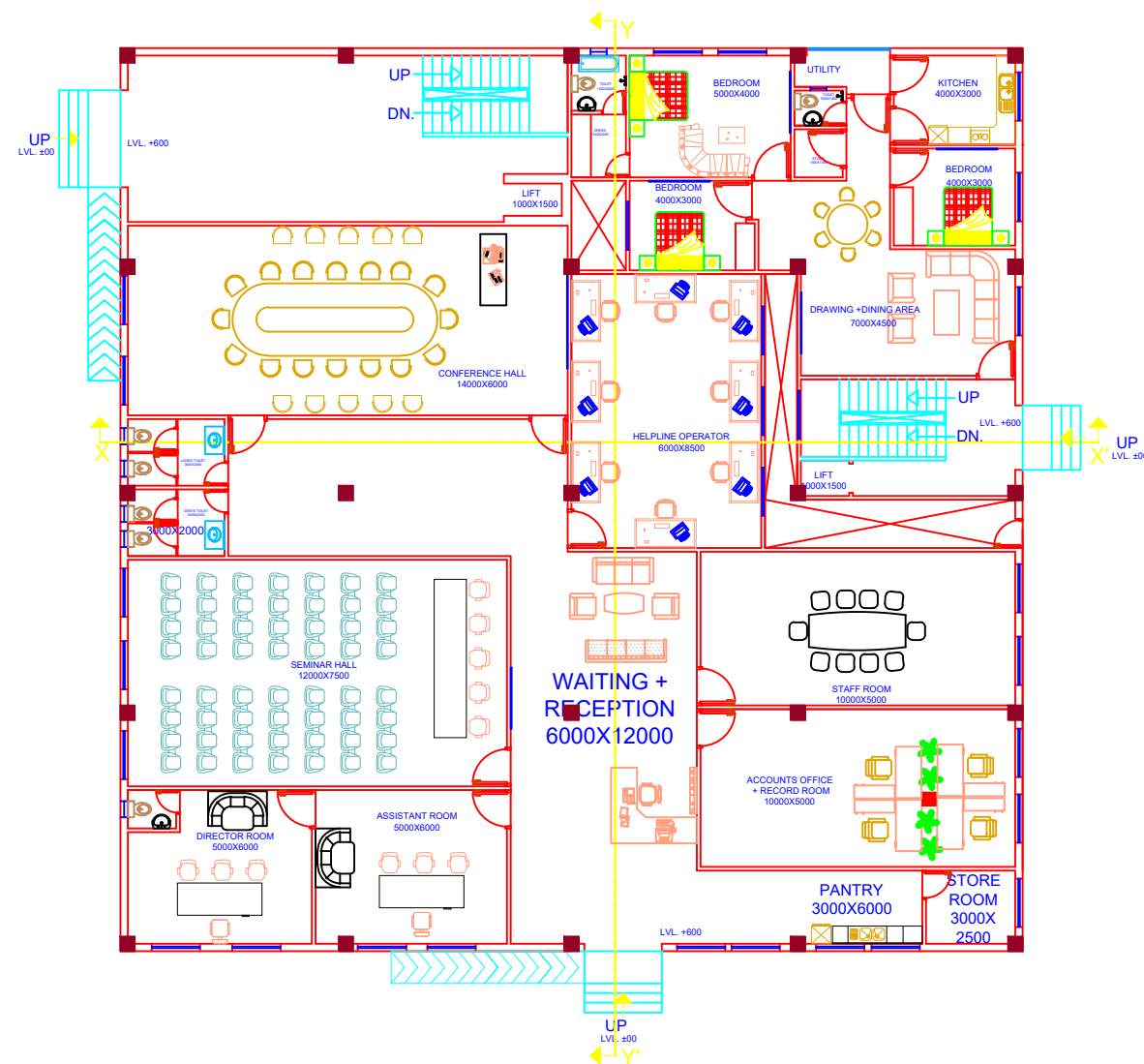
Topic:-
DETAILS OF SITE

**STREET CHILDREN
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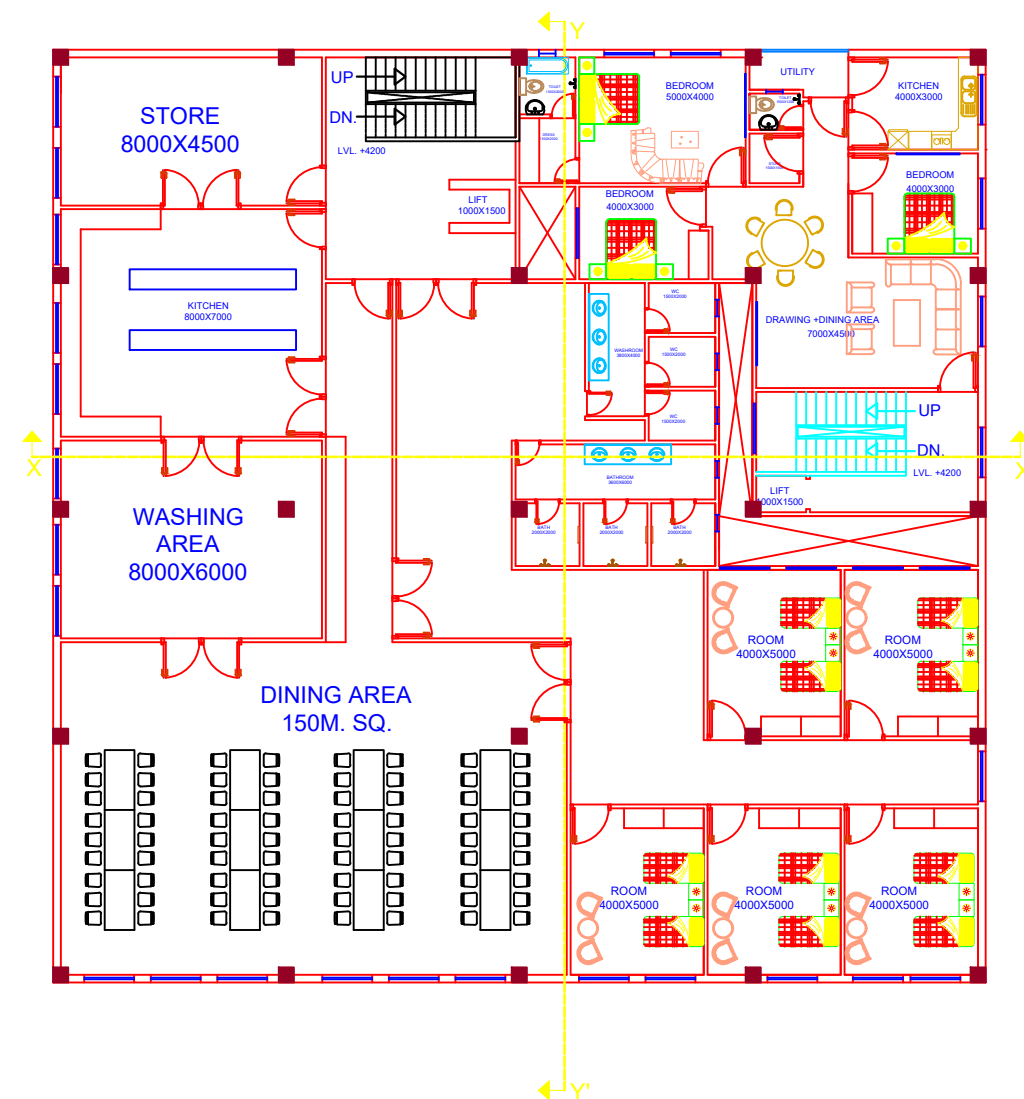
**THESIS GUIDE:-
AR. ANKUR SAXENA**

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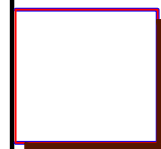


GROUND FLOOR



FIRST FLOOR

ADMIN BLOCK + HEAD QUARTERS+ STAFF QUARTERS



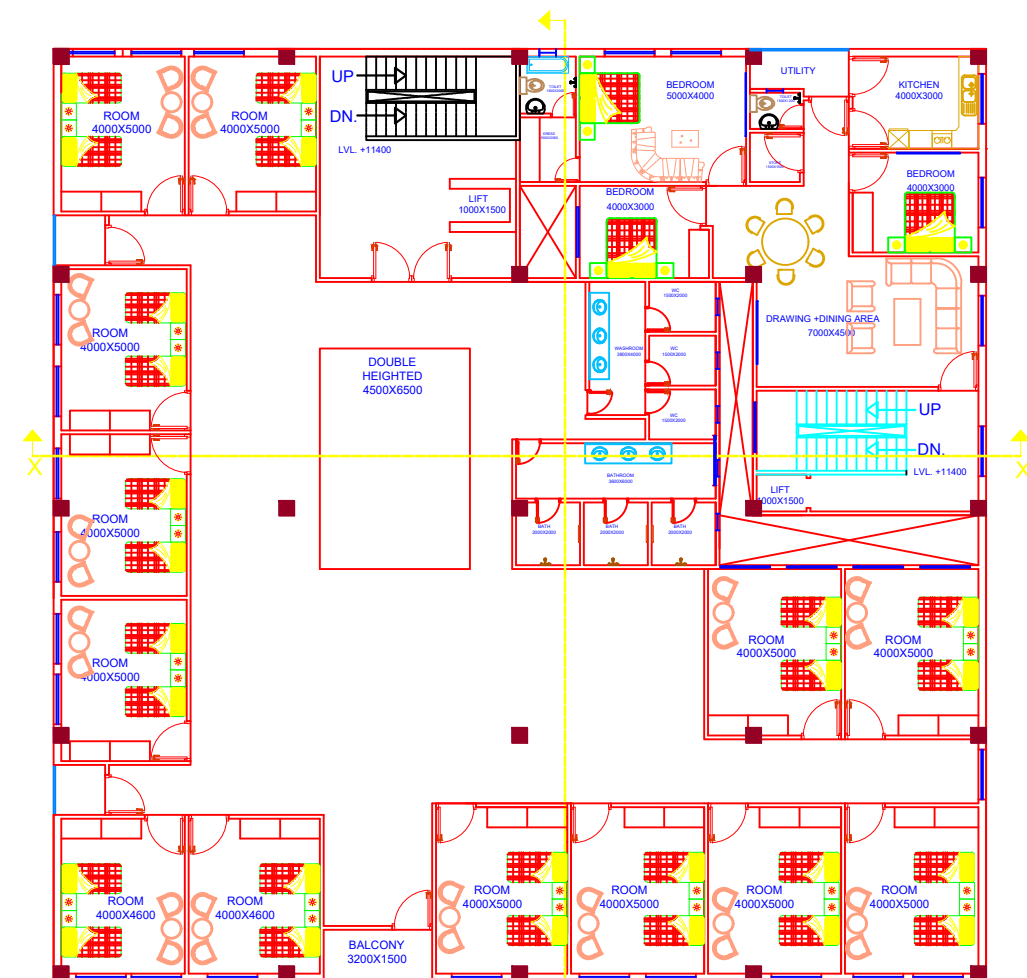
Topic:-
DETAILS OF SITE

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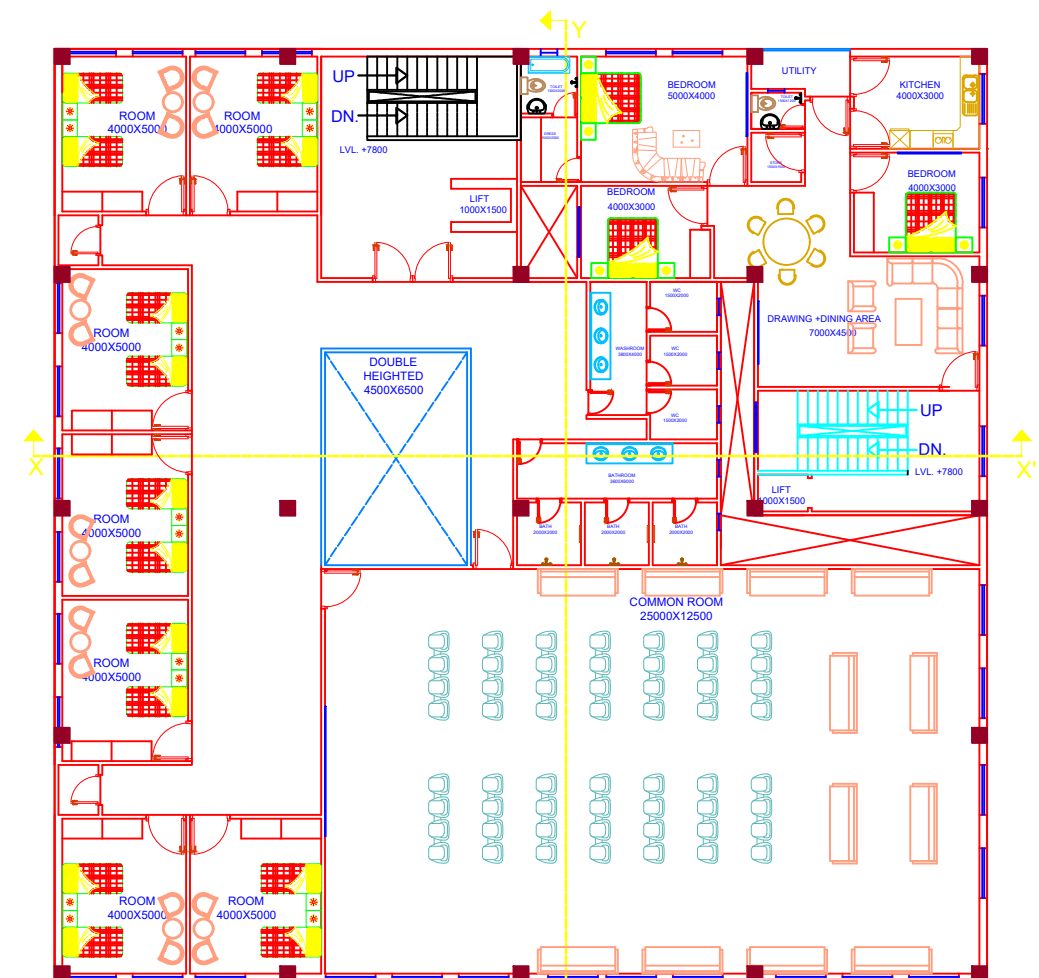
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AR. ANKUR SAXENA**

SHEET NUMBER:- 06
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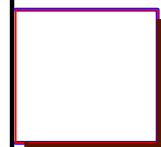


SECOND FLOOR



THIRD FLOOR

ADMIN BLOCK + HEAD QUARTERS+ STAFF QUARTERS



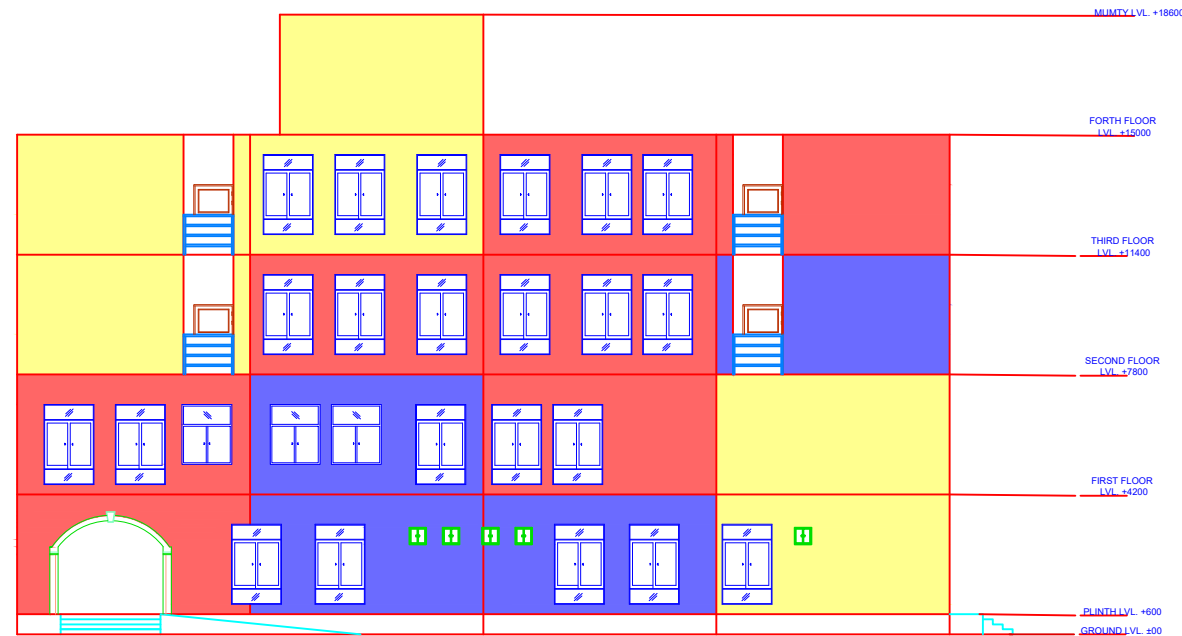
Topic:-
DETAILS OF SITE

**STREET CHILDREN
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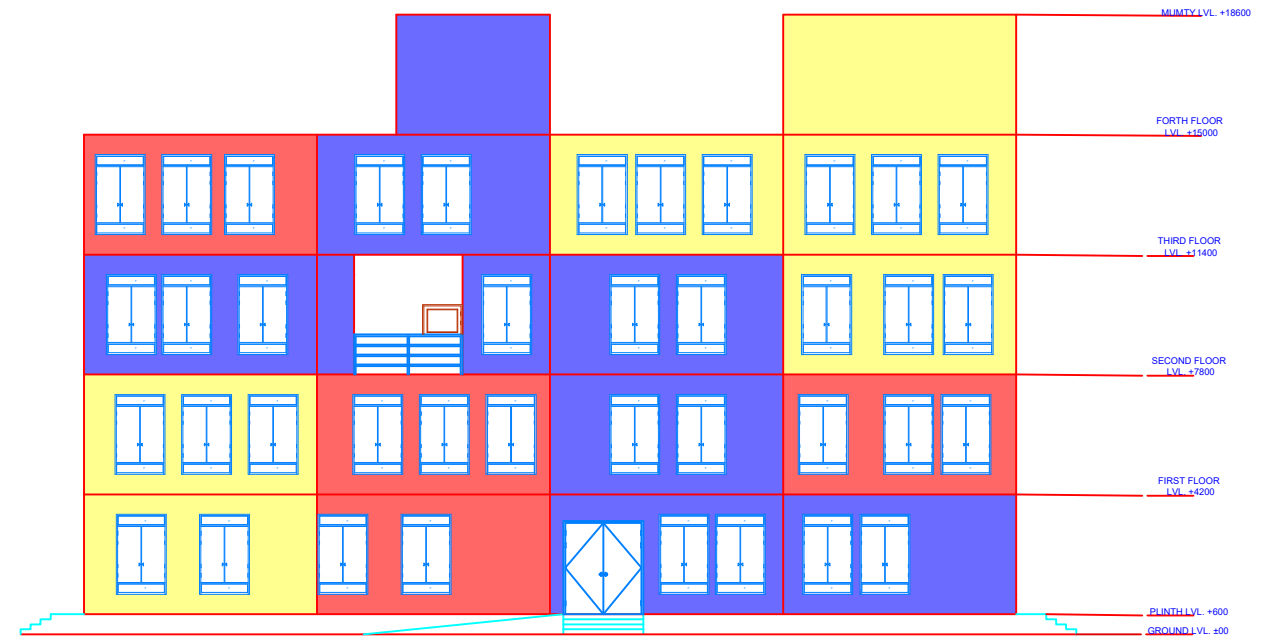
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AR. ANKUR SAXENA**

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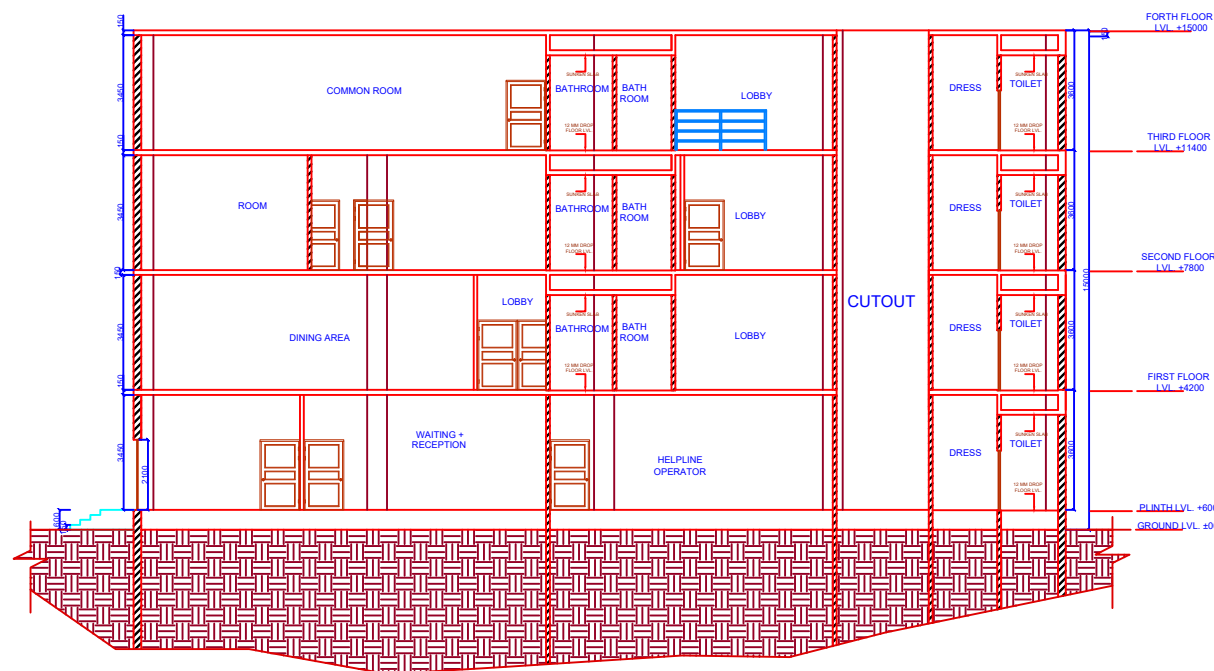




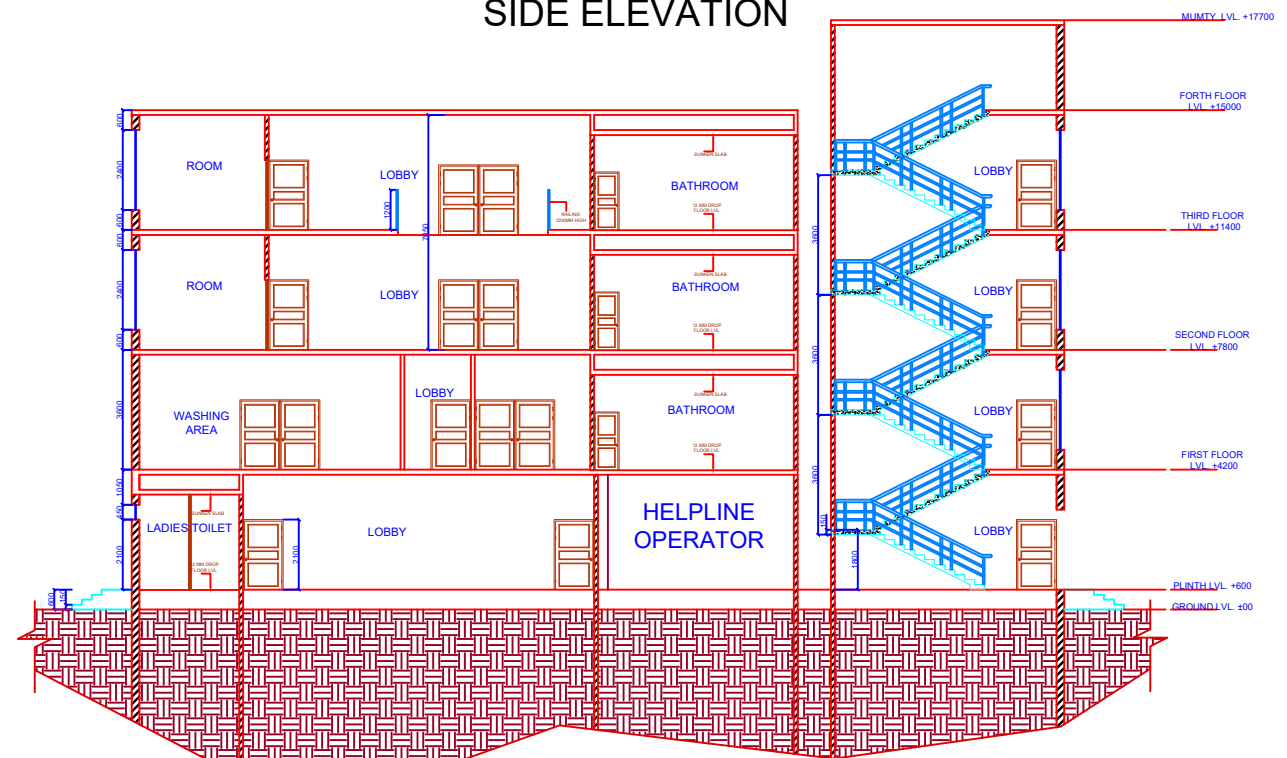
FRONT ELEVATION



SIDE ELEVATION

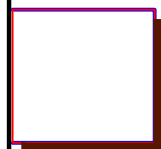


SECTION AT YY'



SECTION AT XX'

ADMIN BLOCK + HEAD QUARTERS+ STAFF QUARTERS



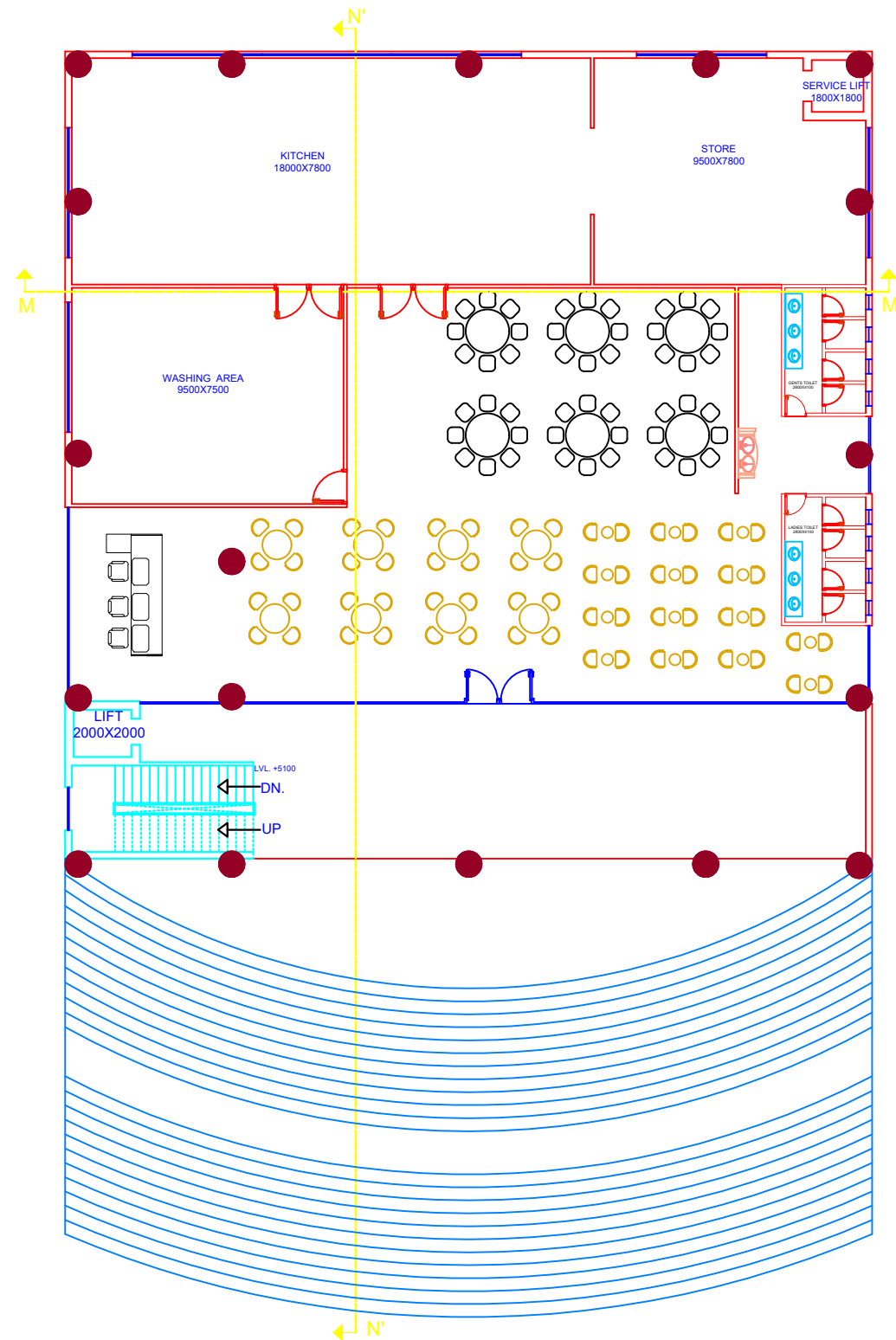
Topic:-
DETAILS OF SITE

**STREET CHILDREN
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NIKITA AGARWAL
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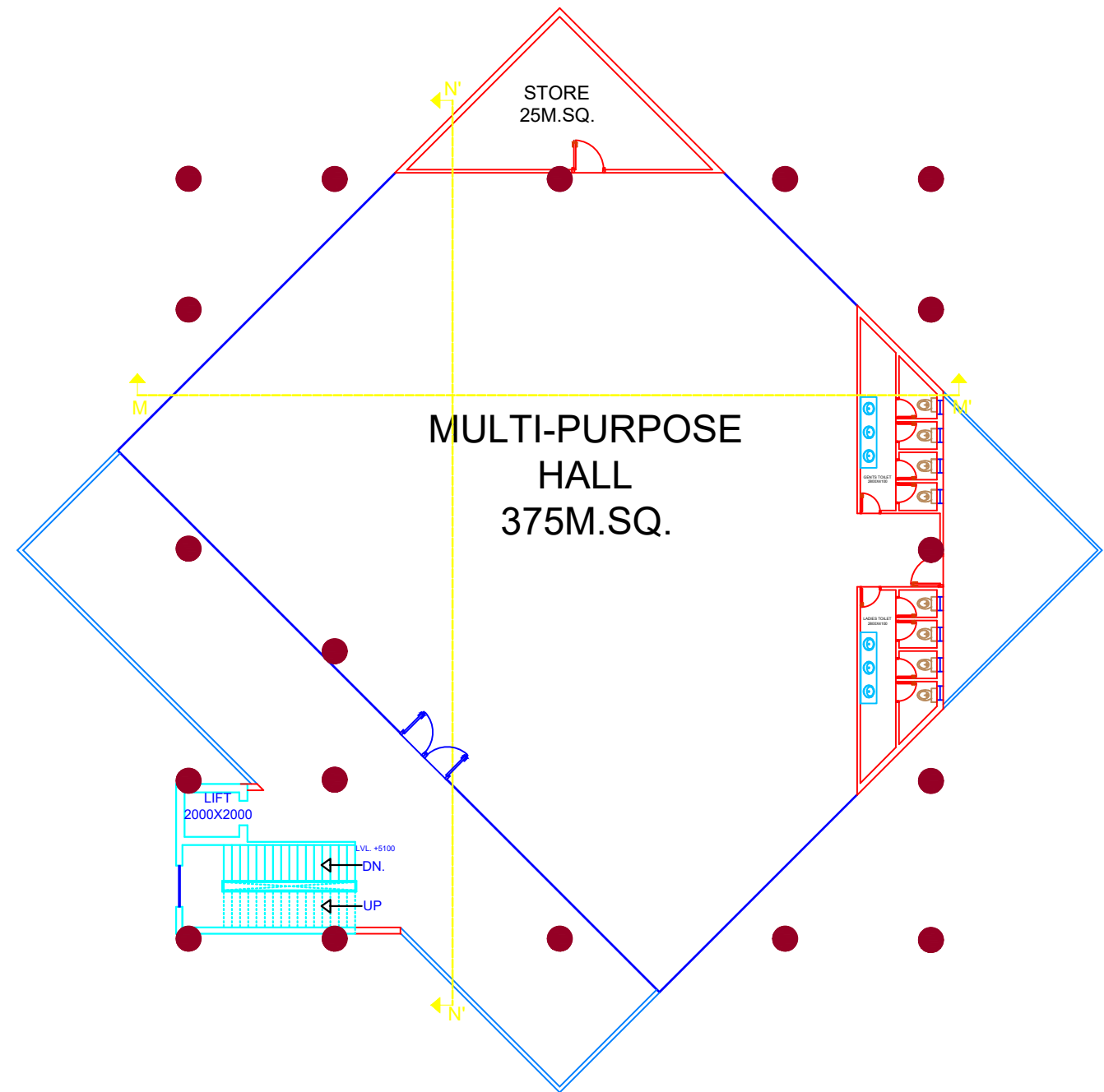
**THESIS GUIDE:-
AR. ANKUR SAXENA**

SHEET NUMBER:- 08
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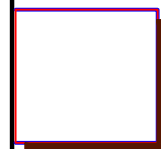


FIRST FLOOR



SECOND FLOOR

PUBLIC ZONE



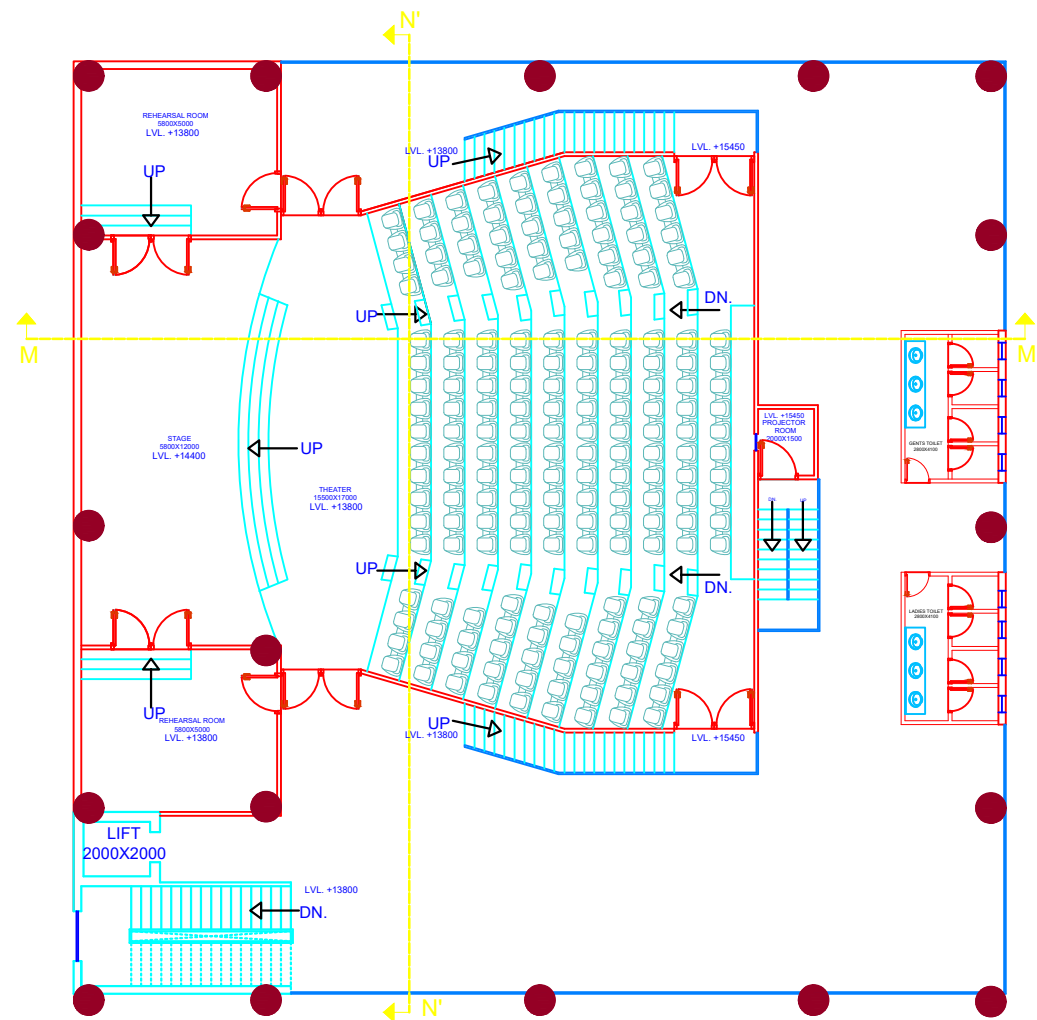
Topic:-
DETAILS OF SITE

**STREET CHILDREN
REHABILITATION CENTER**
NIKITA AGARWAL
B.Arch Vth yr , Xth SEM ,1150101049

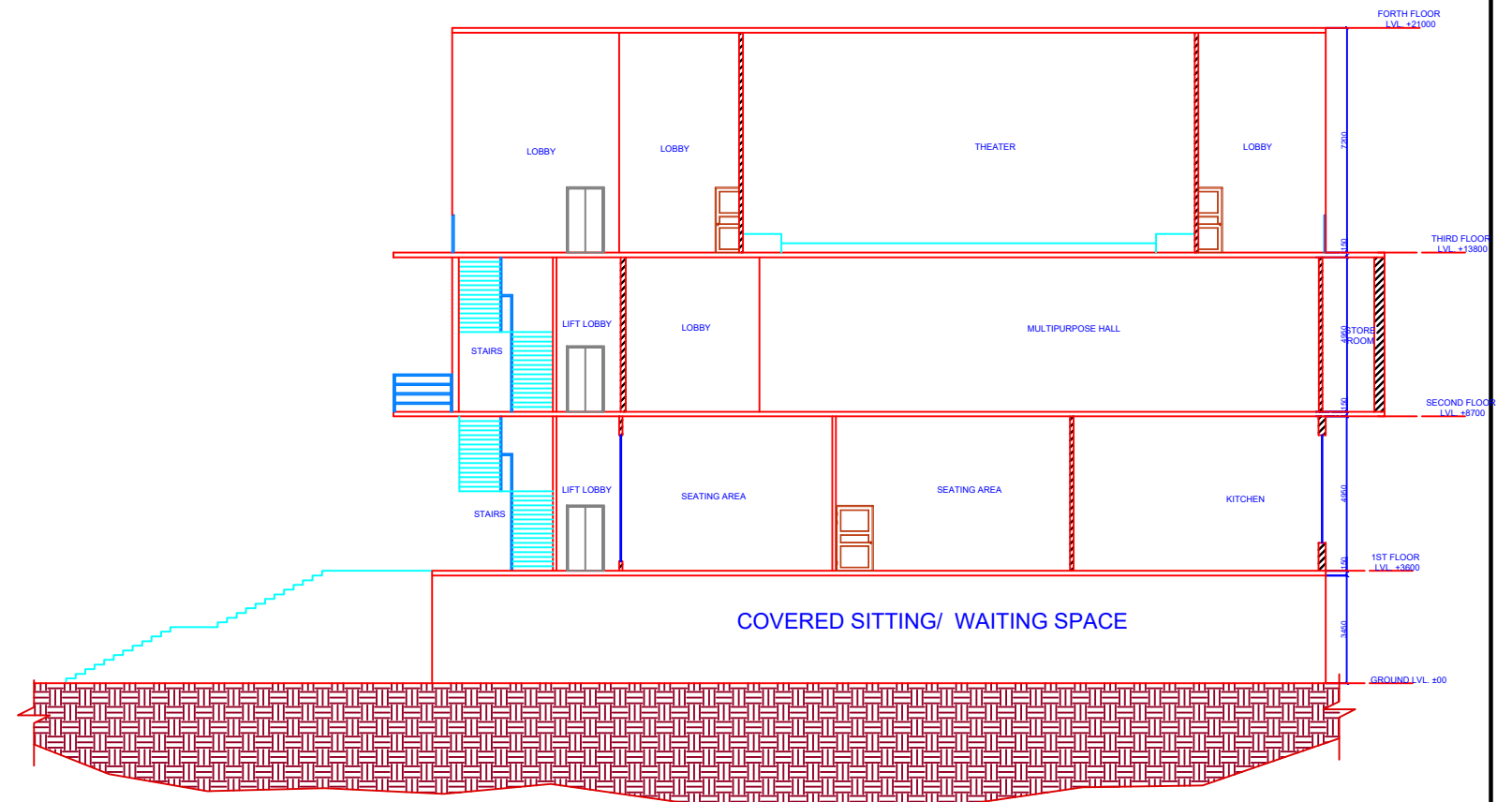
**THESIS GUIDE:-
AR. ANKUR SAXENA**

SHEET NUMBER:- 09
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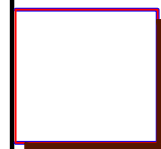


THIRD FLOOR



SECTION AT NN'

PUBLIC ZONE



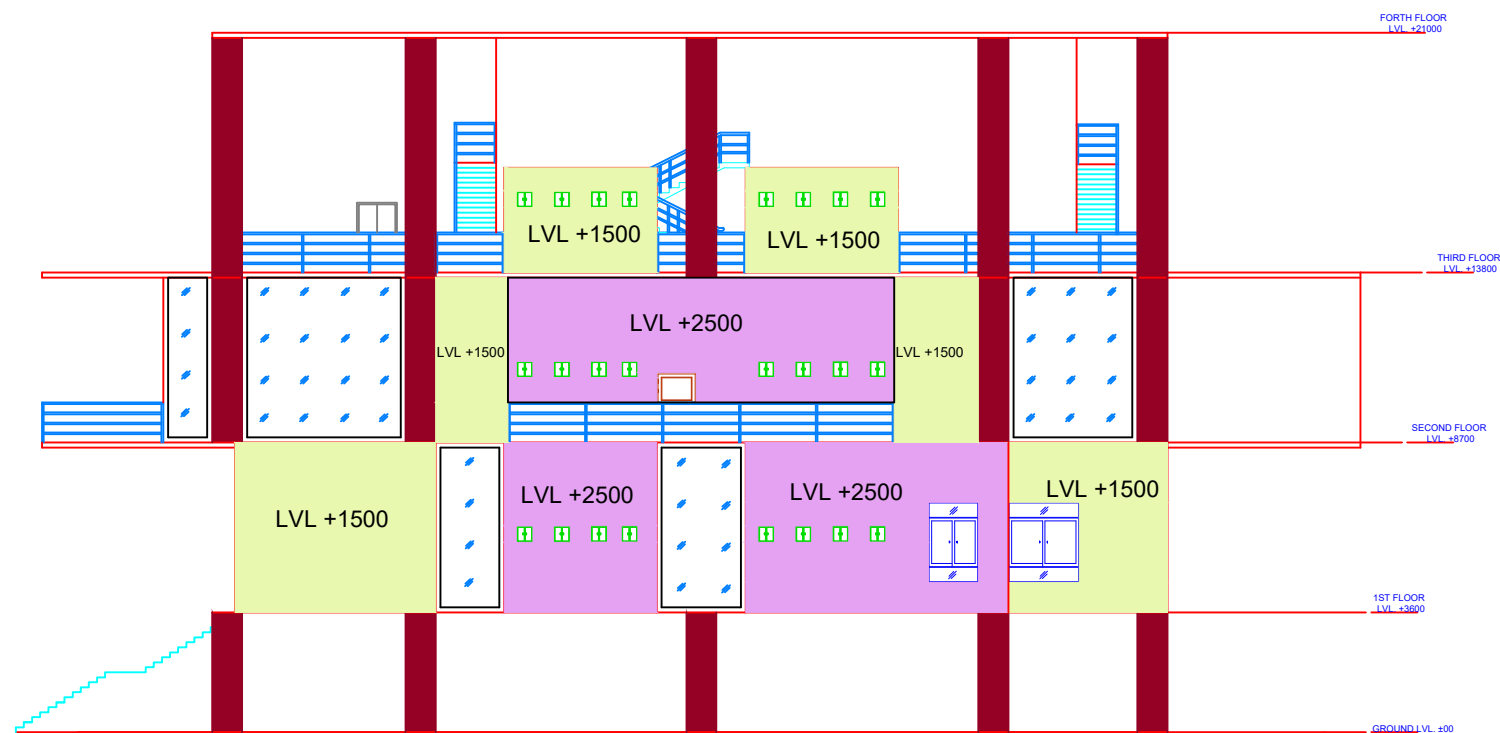
Topic:-
DETAILS OF SITE

**STREET CHILDREN
REHABILITATION CENTER**
NIKITA AGARWAL
B.Arch Vth yr , Xth SEM ,1150101049

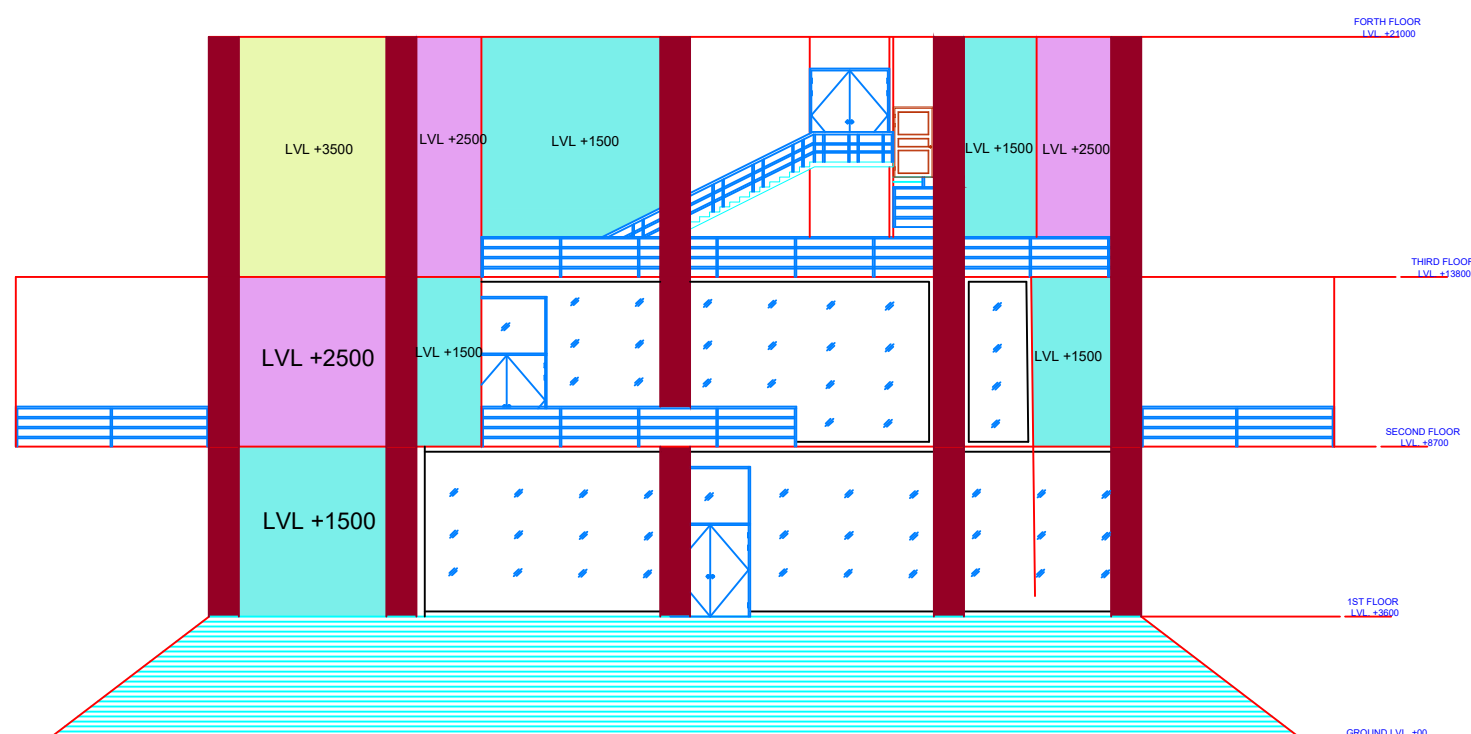
**THESIS GUIDE:-
AR. ANKUR SAXENA**

SHEET NUMBER:- 10
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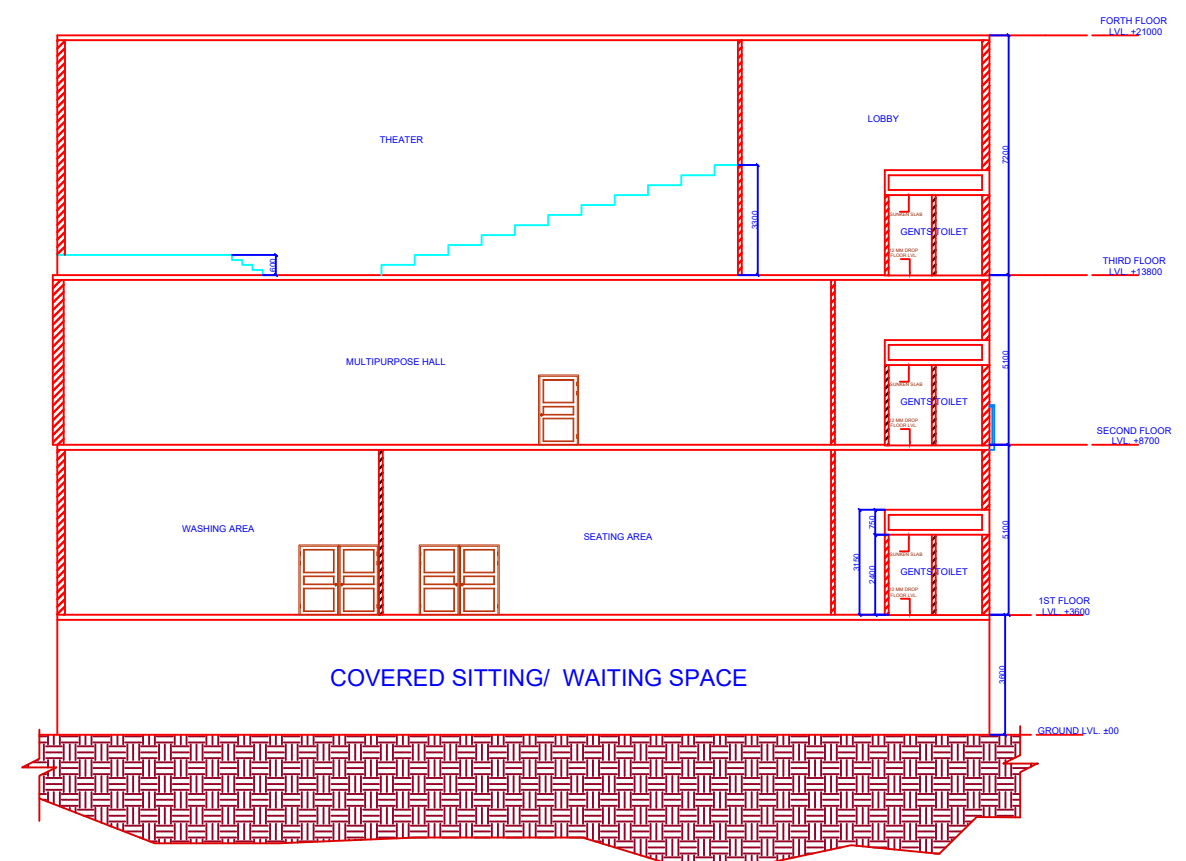




SIDE ELEVATION

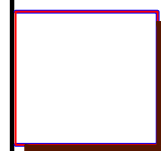


FRONT ELEVATION



SECTION AT MM'

PUBLIC ZONE



Topic:-
DETAILS OF SITE

**STREET CHILDREN
REHABILITATION CENTER**
NIKITA AGARWAL
B.Arch Vth yr , Xth SEM ,1150101049

**THESIS GUIDE:-
AR. ANKUR SAXENA**

SHEET NUMBER:- 11
ALL DIMENSIONS ARE IN MM
SCALE: 1:100

