

ARCHITECTURE PORTFOLIO
DEBI PRASAD

CURRICULUM VITAE



DEBI PRASAD MAHAPATRA

Sex: Male

D.O.B: 7th June 1996

Language: Hindi, English, Odia



EXPERIENCES(2014-2017)

Trainee Architect

NASCENCE Architects, Bhubaneswar,
Odisha May2017-July 2017

General Secretary

Music, Dance and SPIC MACAY
MNIT JAIPUR, September 2017-PRESENT

Joint Secretary

Music, Dance and SPIC MACAY
MNIT JAIPUR, September 2016-2017

Organizing Secretary

BLITZSCHALG. Annual Techno Cultural
Festival MNIT JAIPUR February 2017

Organizing Secretary

MSF(MNIT Sports Festival) MNIT JAIPUR
February 2017

EXECUTIVE

Film & Photography Club MNIT JAIPUR
September 2014-September 2015

EDUCATION

Primary and Upper Primary

Saraswata Vidya Mandir, Puri, Odisha
83.83%

Secondary

Biswambhar Bidyapitha, Puri, Odisha,
88.83 %

Senior Secondary

S.C.S Junior College, Puri, Odisha
81.33%

Graduation

Malaviya National Institute of Technology
(MNIT) Jaipur, Rajasthan 7.97 CGPA

INTERESTS

Dance
Choreography
Photography
Reading
Cricket



Contact Info

Email: prasad.debi.debi@gmail.com

Phone: +91-7205366050, 9571484789

Address: Patra lane, Dolomandap
Sahi, Puri, Odisha-752001



Software Skills

Autodesk Autocad

Autodesk Revit

Adobe Photoshop

Adobe Indesign

Google Sketchup

Lumion

V-ray

Microsoft office

Hands On/ Skills

Hand Drafting

Sketching

Graphic Design

Model Making

Leadership

Management



ACHIEVEMENTS(2014-2017)

Runners Up

Raambasamba, Blitzschlag, 2014

Top 10

Narigandhi Trophy, Annual Nasa
Convention, 2014

Dance Trophy, Annual Nasa
Convention 2014

TOP 20

Narigandhi Trophy, Annual Nasa
Convention, 2015



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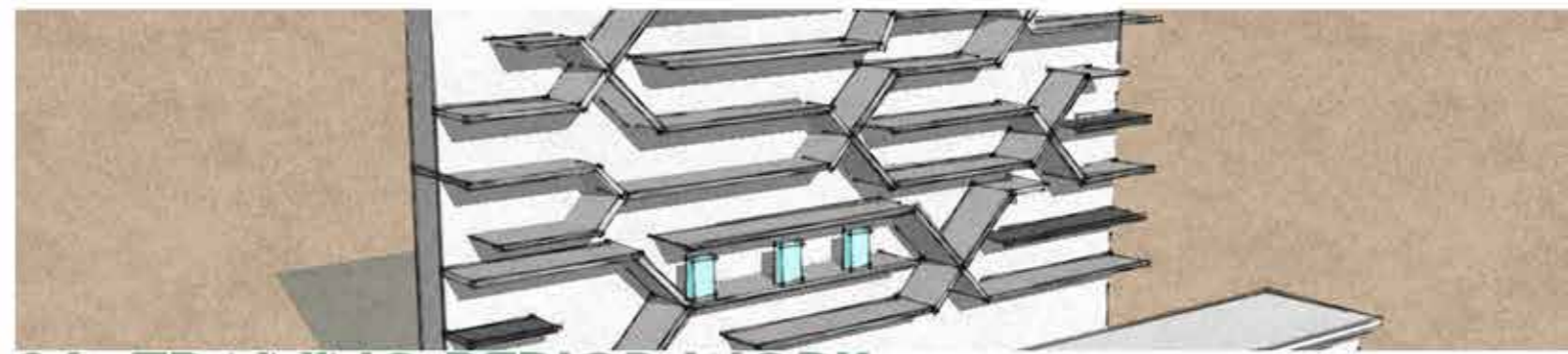
01. SHINDIG SHANGRILA



02. TARRY HARBOUR



03. THE ATELIER



04. TRAINING PERIOD WORK



05. CREATIVE WORK



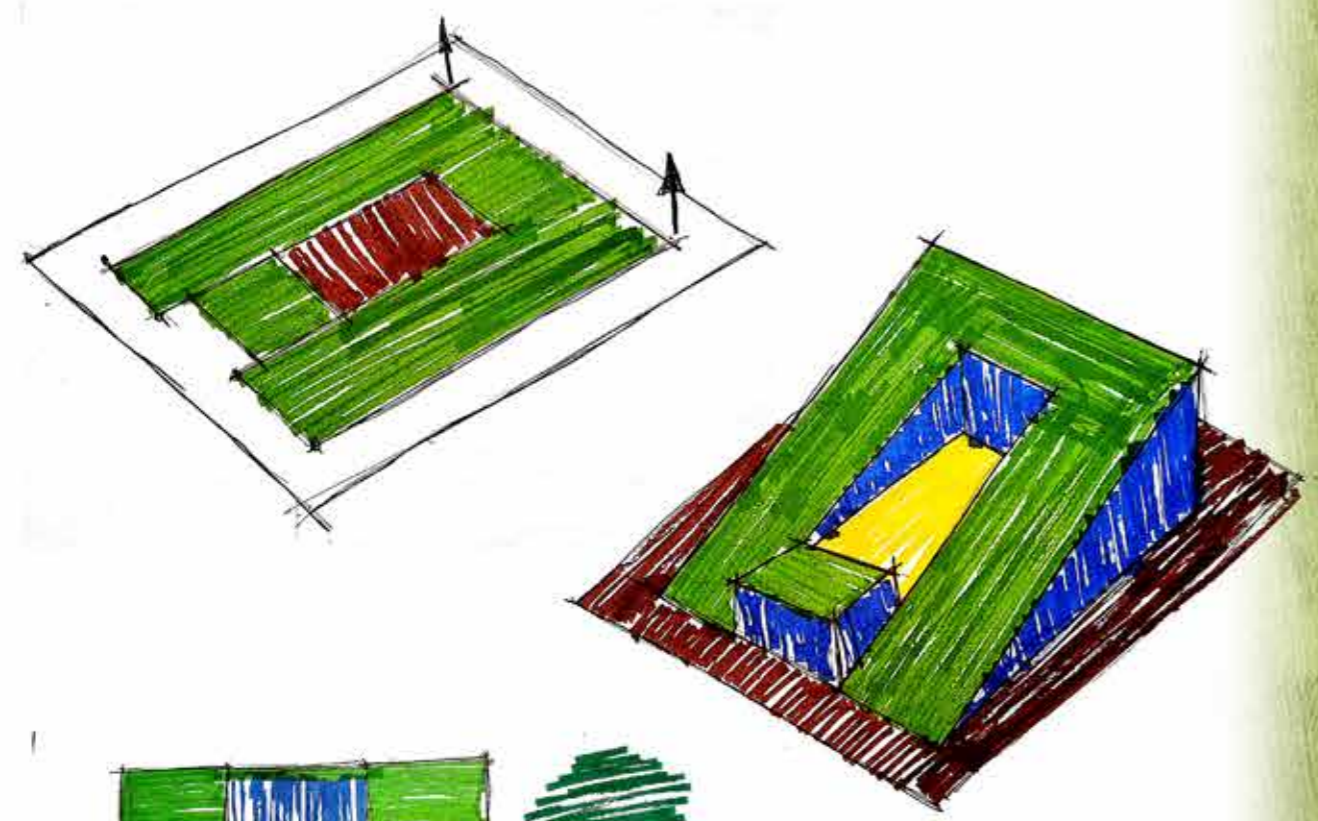
01

SHINDIG SHANGRILA

Shindig is an english word bearing the meaning "a large, lively party, especially one celebrating something." Shangri-la stands for "an imaginary beautiful place." In my context, shindig shangri-la is a club house with recreational spaces in the premises of a residential colony of jaipur.

CONCEPT

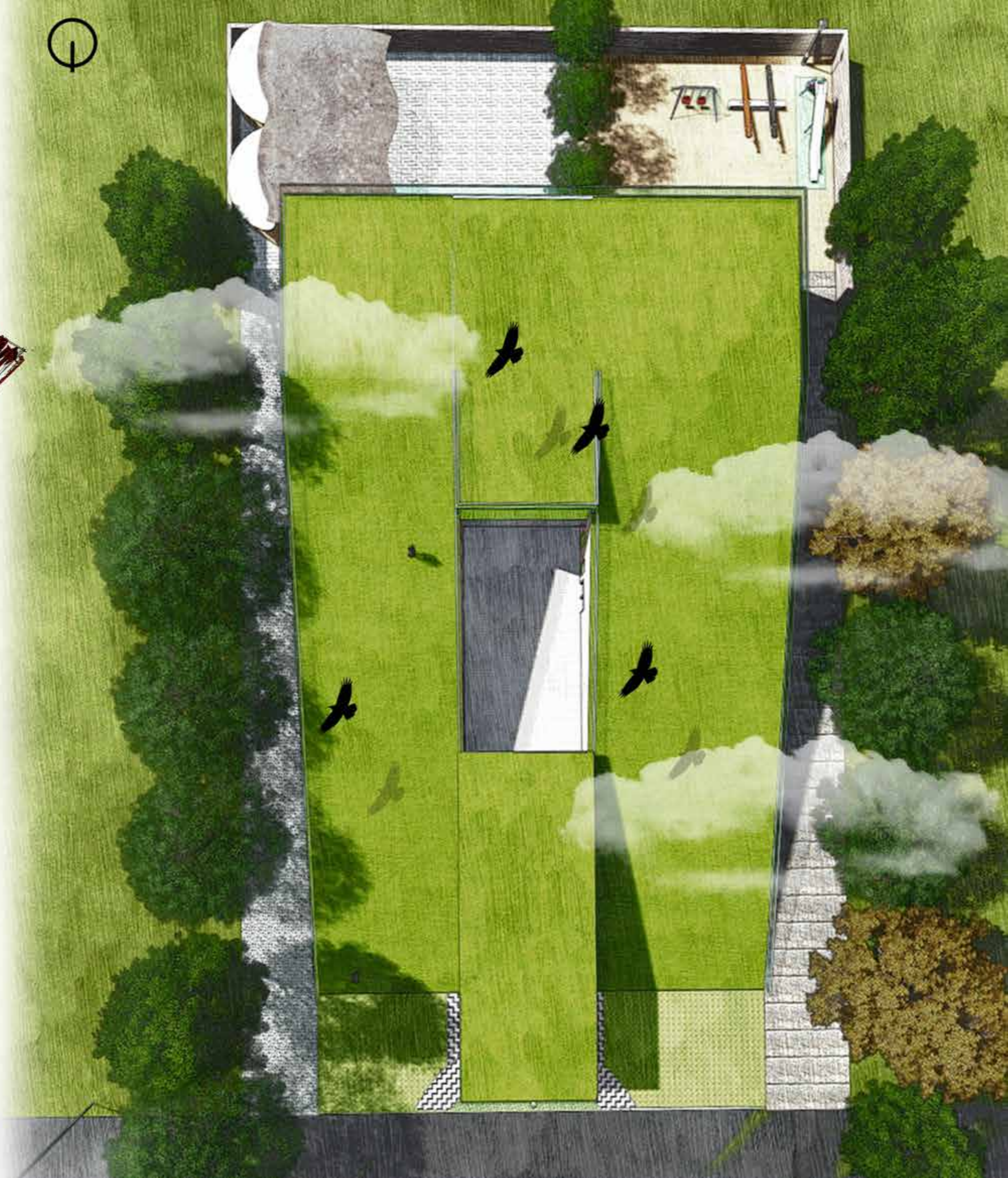
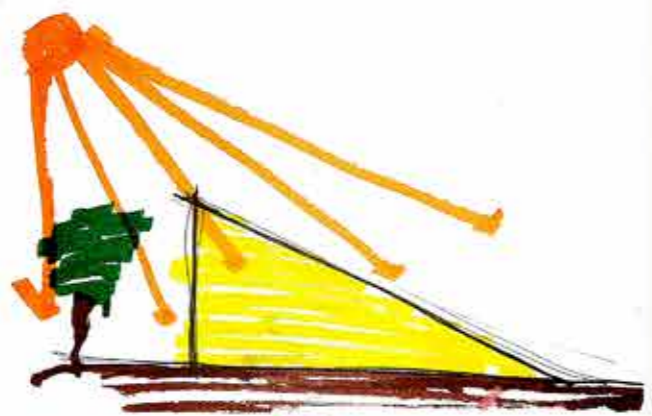
GREEN ROOF: The idea is to keep the greenery alive amidst the concrete blocks in the premises of a colony.



If the sloping side of building faces south, it'll absorb more heat as the maximum surface area will be exposed to the sun and in a direction normal to the radial rays.



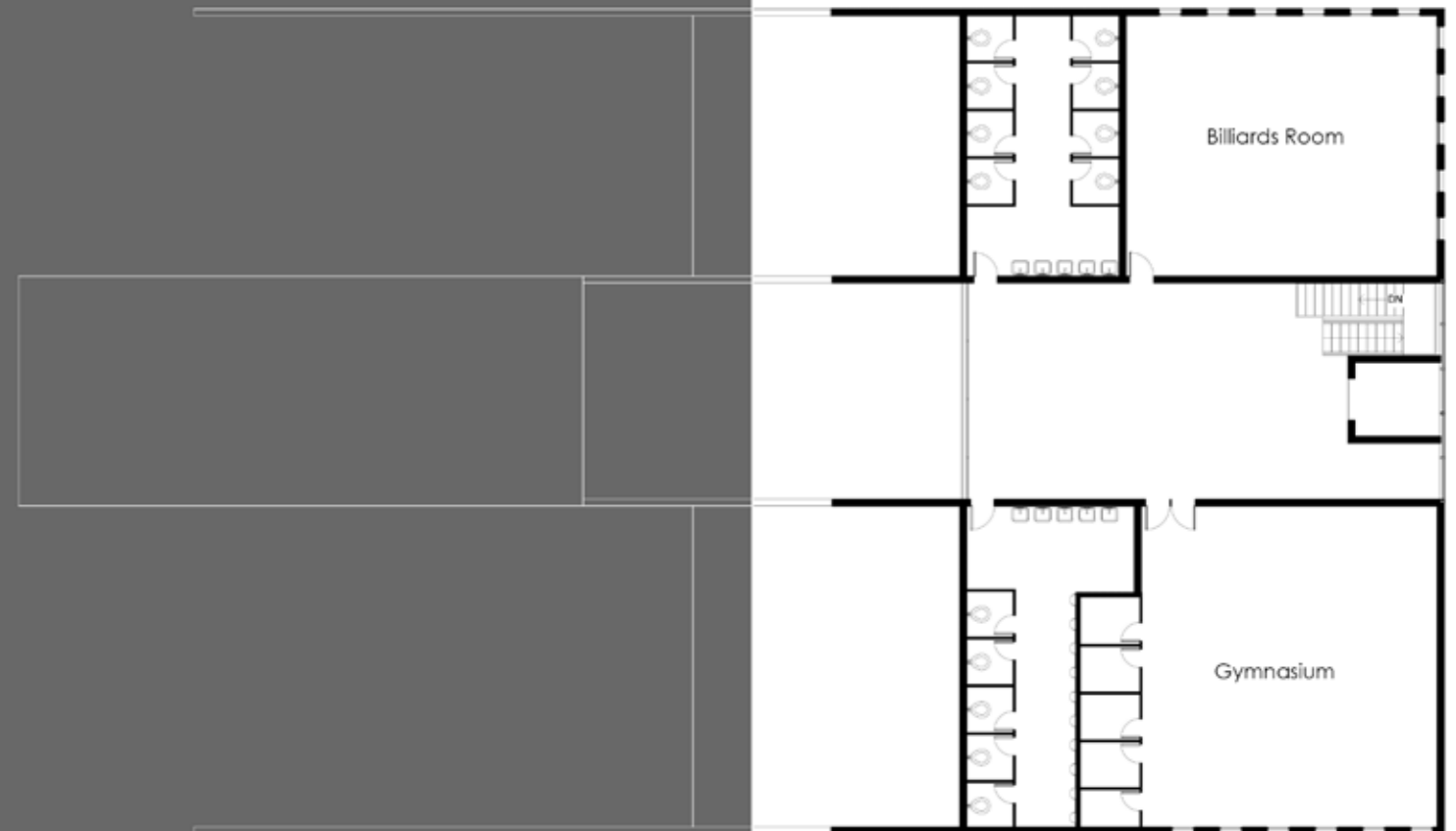
The building is placed like sloping side facing North so it absorbs less heat from the South sun.





GROUND FLOOR PLAN

"The spaces are arranged according to the foot fall of people. Common areas like party hall and coffee lounge are given on the ground floor where as semi private areas like gym and Billiards room are taken on the first floor."



FIRST FLOOR PLAN



View from inner courtyard



View of interior of cafe



View of Kids' play ground at the rear side of the building



View of building at night (showing lighting arrangement)



View of building from party lawn at the rear side of the building



THE ATELIER

Atelier holds the meaning of a workshop or studio, especially one used by an artist or designer. In the explained context, the atelier is an art & craft exhibition center having accommodation facilities for the artists and the participants. The design reflects the architectural context of Nawalgarh city of Rajasthan.

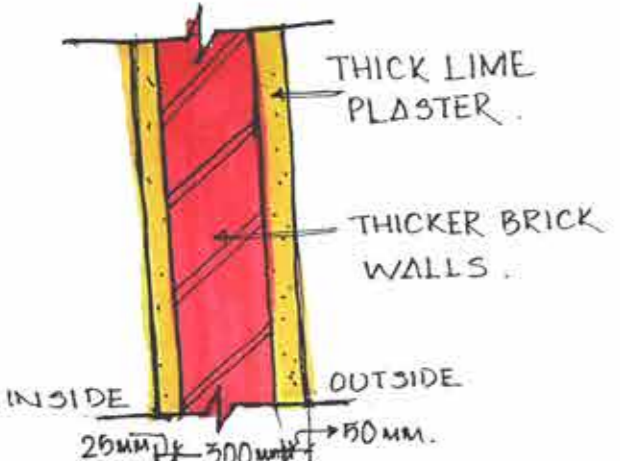
CONCEPT

Rajsthani Haveli: The idea is to give an essence of Nawalgarh into the design. Therefore the design features, construction techniques and construction materials of havelis in Nawalgarh are used while designing the building. The architectural style is Rajputana architecture.

DESIGN FEATURES

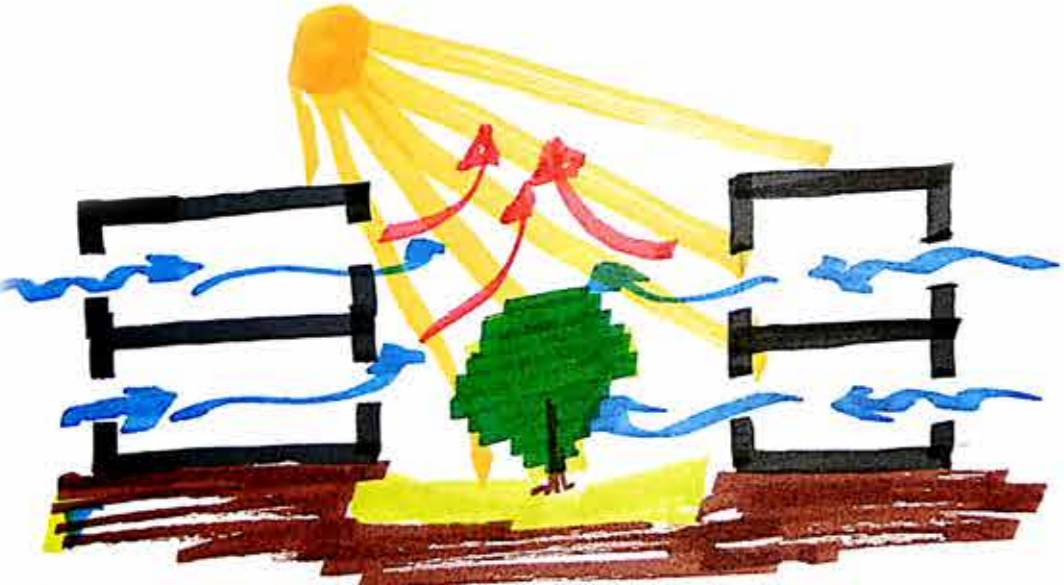
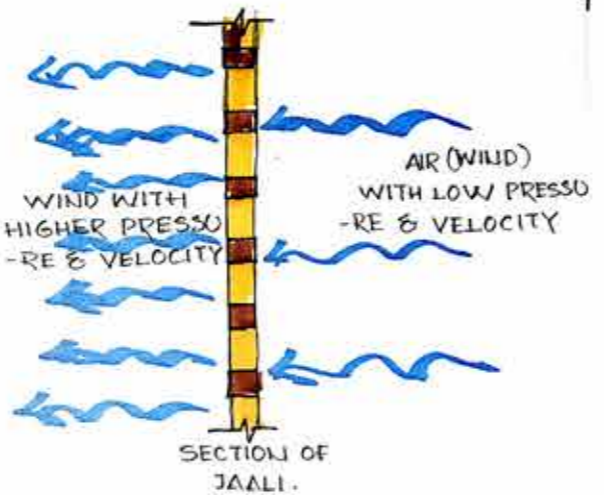
Symmetry, the prime design feature in Rajputana architecture is also being followed here. The plan of the building is in symmetry along the East-West axis passing through the center of the building.

As extracted from the style of Rajputana architecture, simple geometric forms such as Rectangle is taken to design the building.



Thick brick wall (1' thick) with thick lime plaster (25-50 mm) has more heat capacity than normal brick wall. Therefore it keeps the interior cooler. As brick is easily available in Nawalgarh, thick brick wall is adopted over stone masonry walls.

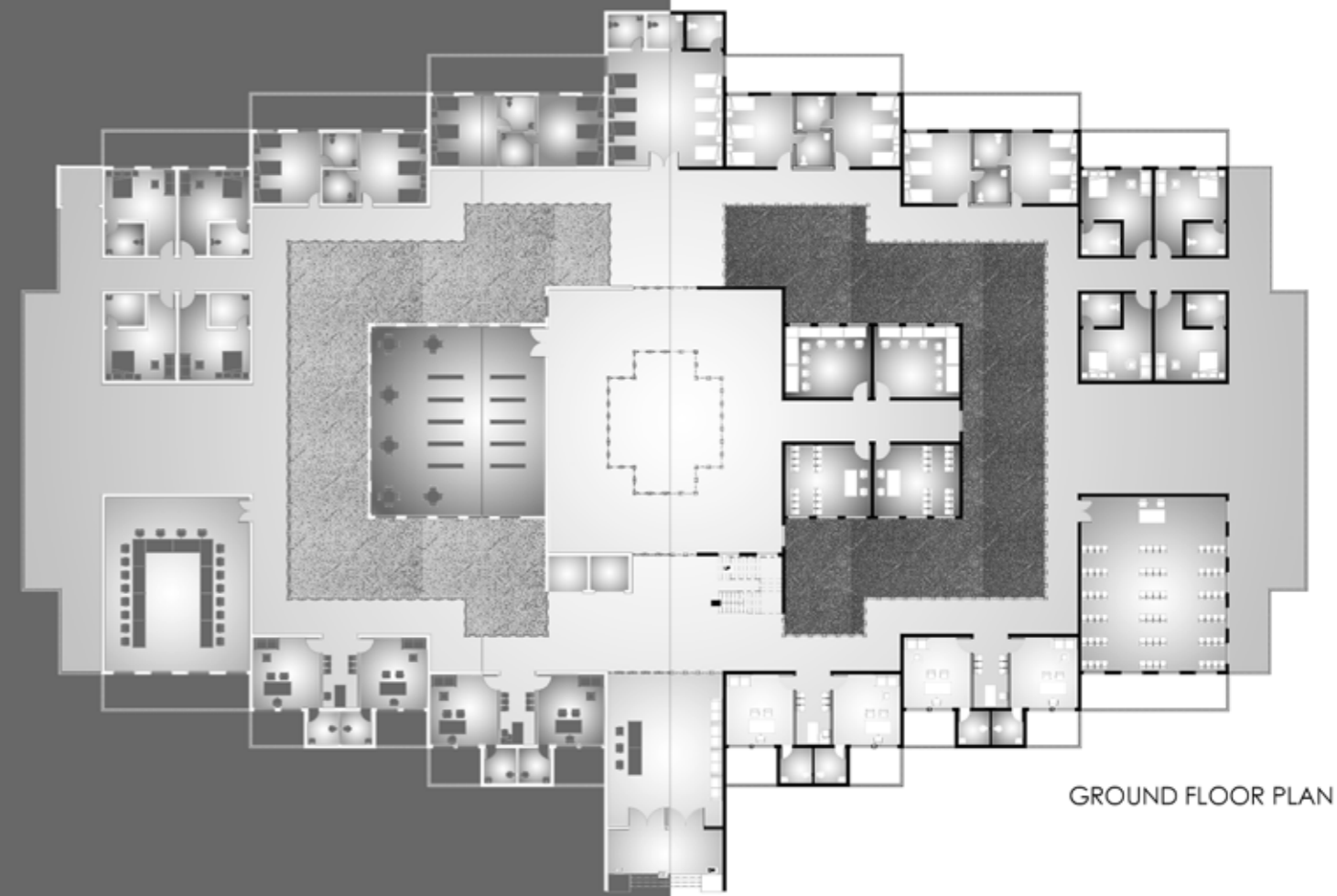
Use of jaali at places increases the ventilation as jaali helps wind moving faster with more pressure.



Use of number of courtyards help to improve ventilation through the building.

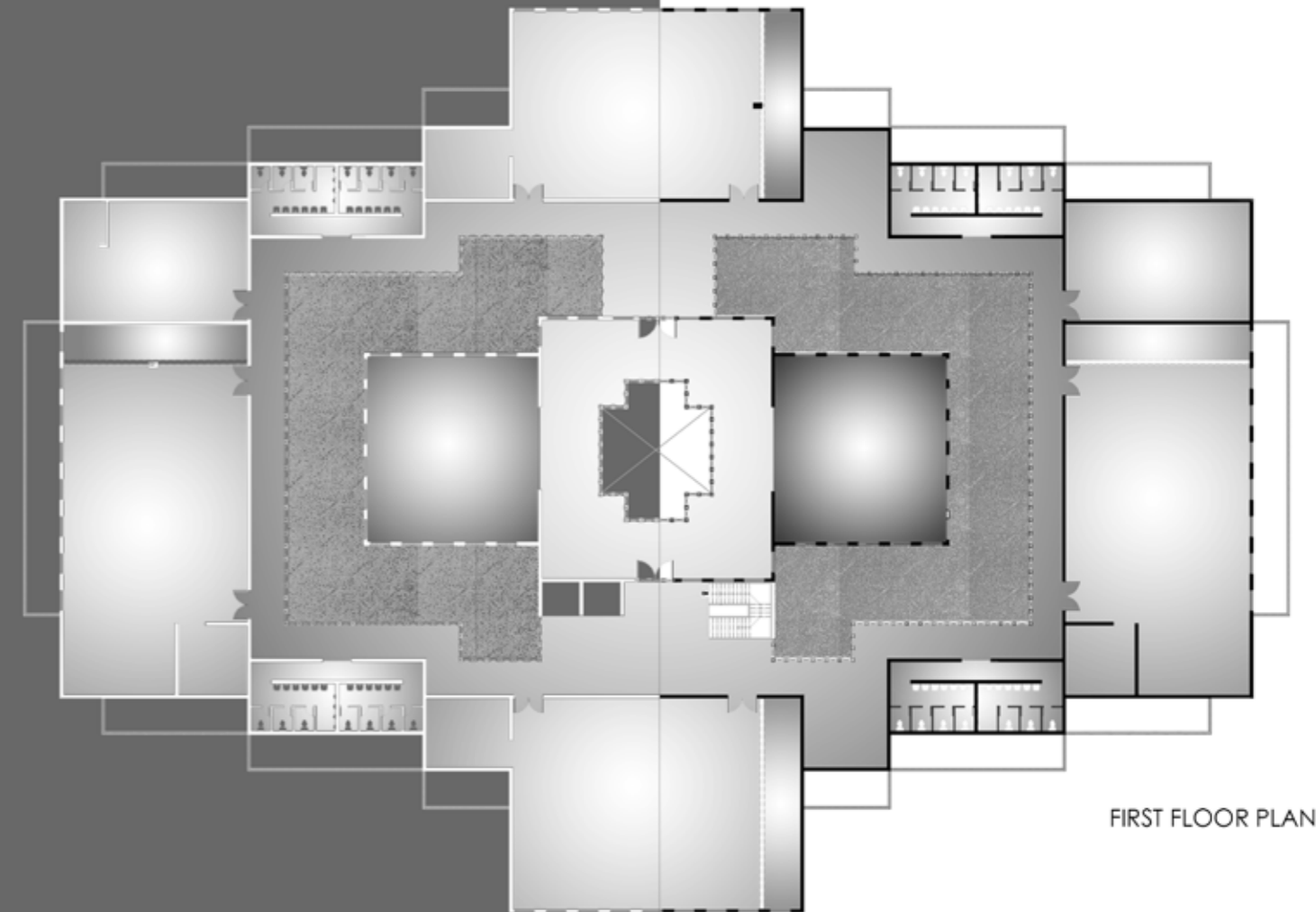
Courtyards allow more sunlight into the interior built spaces there by decreasing the use of artificial lights.



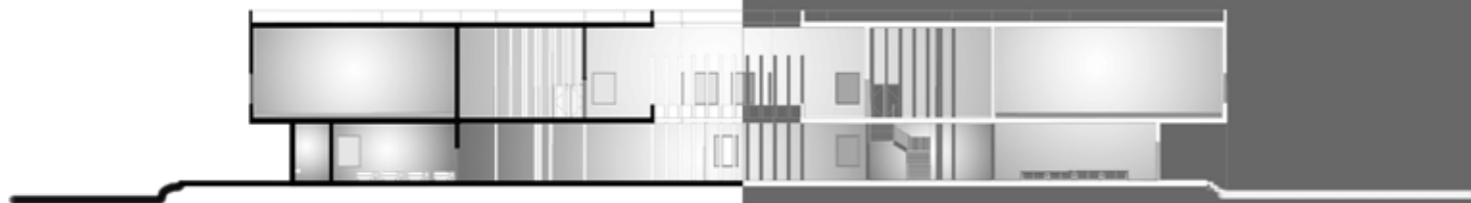


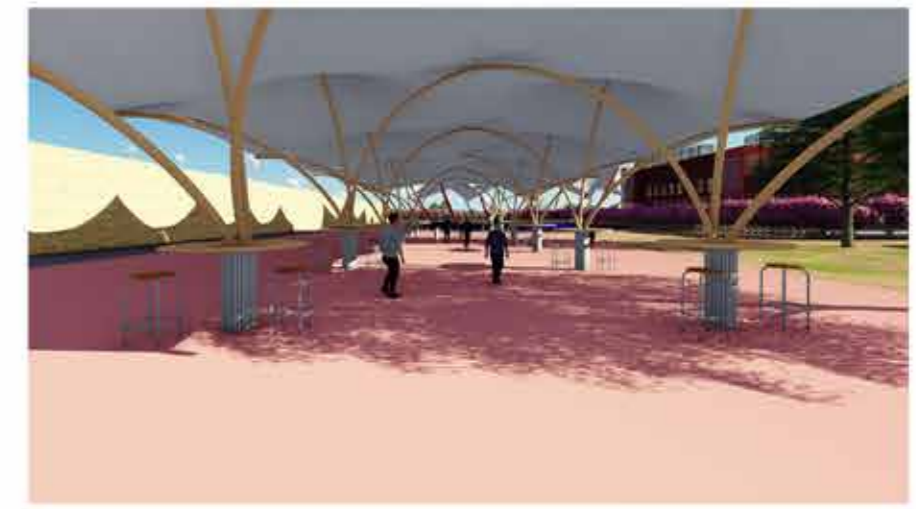
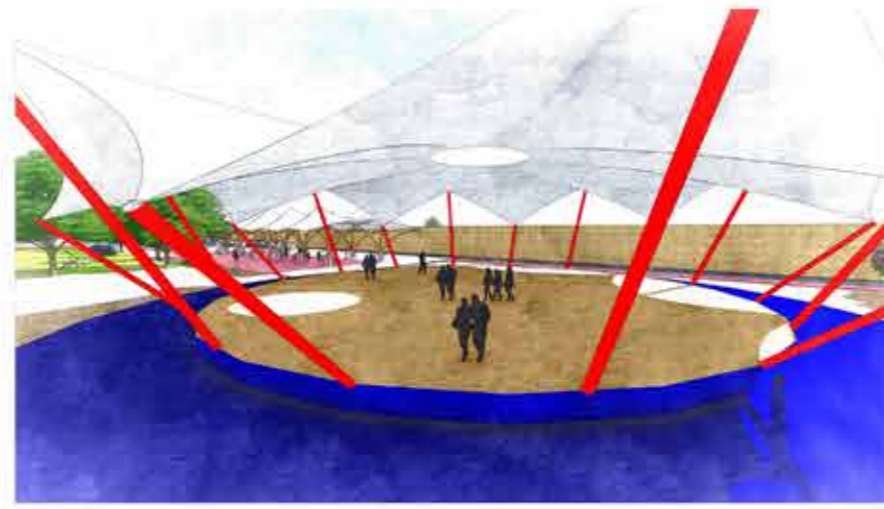
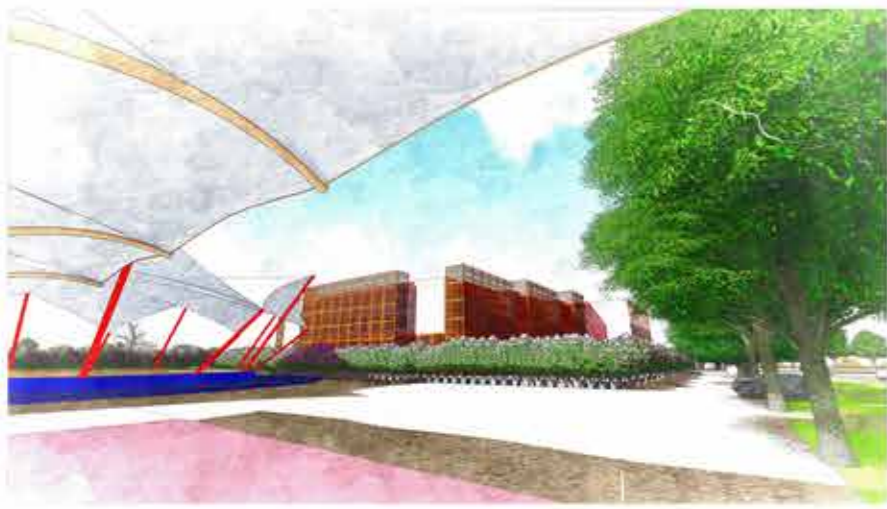
GROUND FLOOR PLAN

"The spaces are arranged according to the foot fall and movement of people.
On ground floor level, private spaces like dormitory and artists' accommodation room are set in the rear side while public areas like Admin area, reception etc. are set in front.
On first floor level, all the workshops and studios are arranged around the central courtyard."



FIRST FLOOR PLAN







GREEN SPACE FOR ALL

The guest houses for all the guests and members are placed in a cluster of building on the ground so that all the guest houses will have their green spaces of their own.



TARRY HARBOUR

Tarry is an English word having the meaning 'stay longer than intended; delay leaving a place.' Harbour basically is a place on the coast where ships may moor in shelter. In explained context, the vehicles on National Highways are assumed to be ships in deep sea. The Way-side amenities serves the purpose of that a harbour for ships.

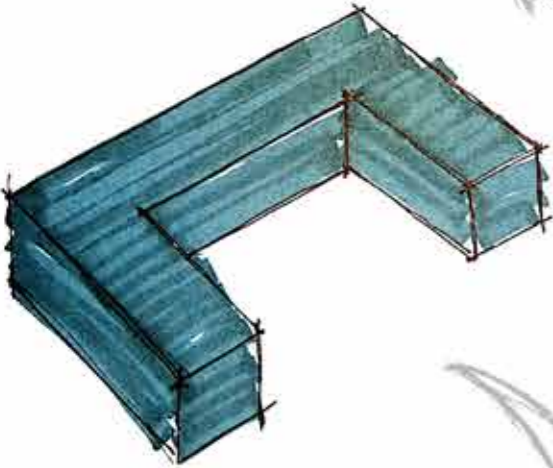
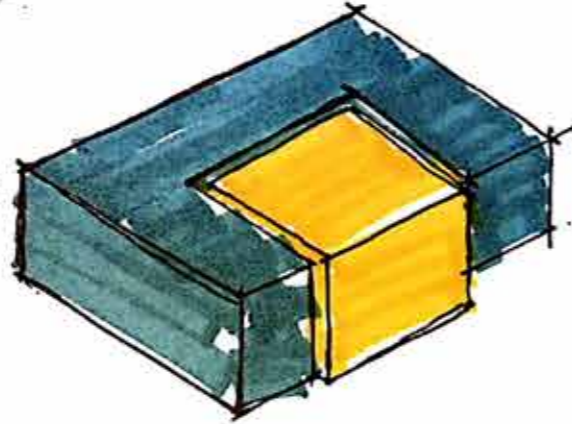
FORM EVOLUTION



A simple cuboid is taken.



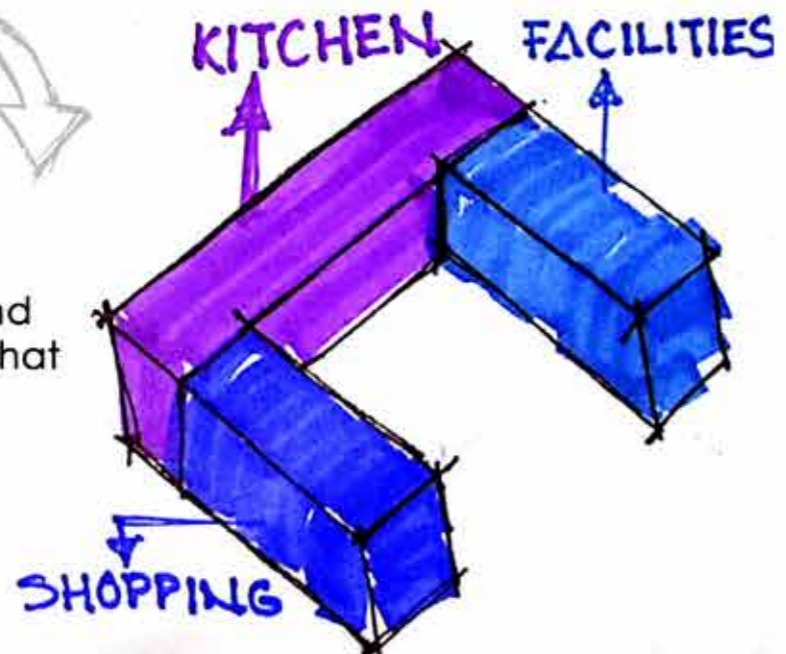
A smaller cuboid is extracted from the main cuboid from one of its edge.

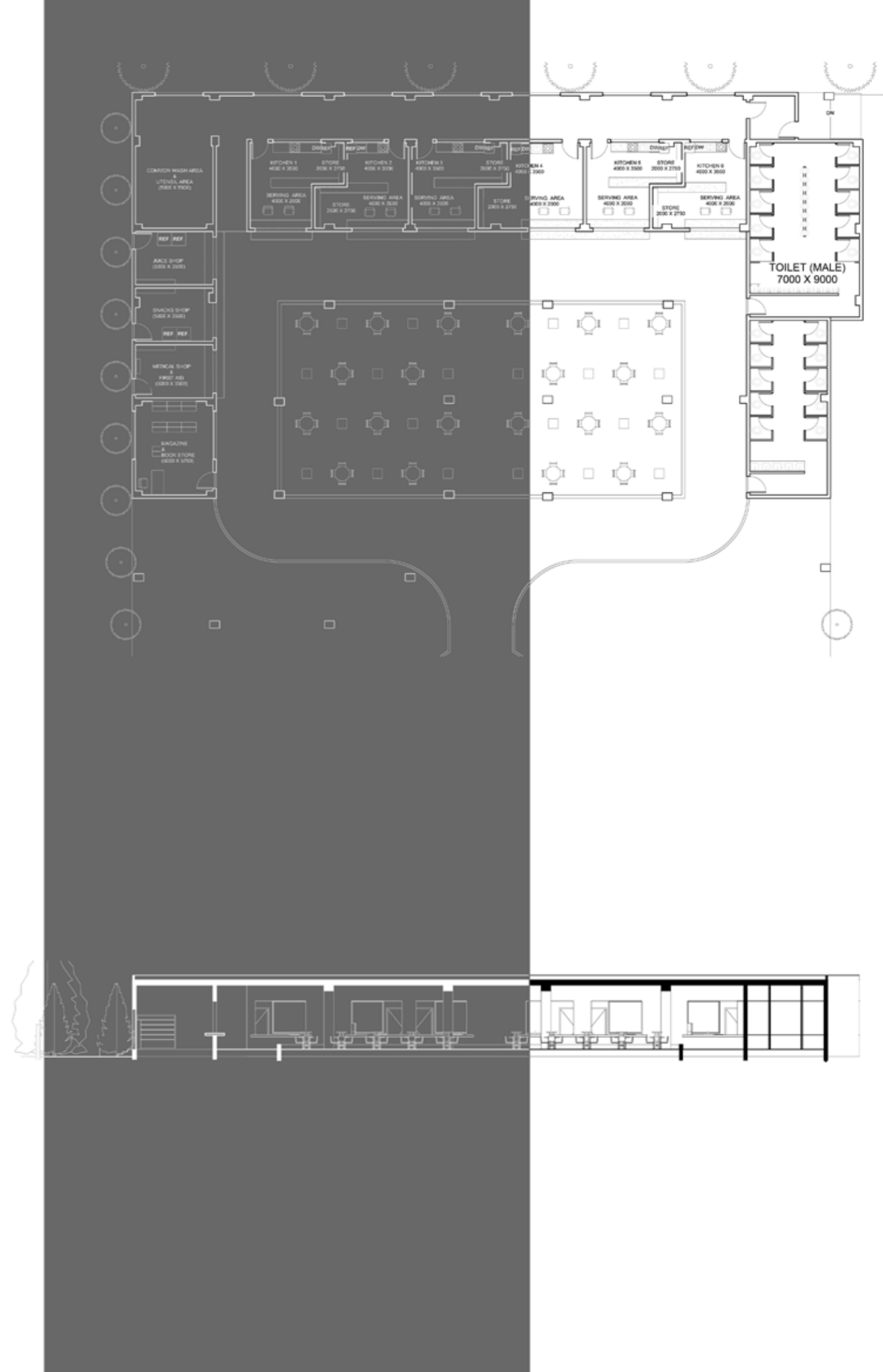


The extraction results forming a 'C' Shaped cuboid having three wings in it as the final shape i.e. the form of the building.



The three wings are zoned and assigned to various facilities that are required in the building.





"The spaces are arranged according to the activities of the spaces.

The central semi-open space is designed as a gathering area and eating space. The kitchens are arranged in the front that serves food to the people that they eat sitting in the central space.

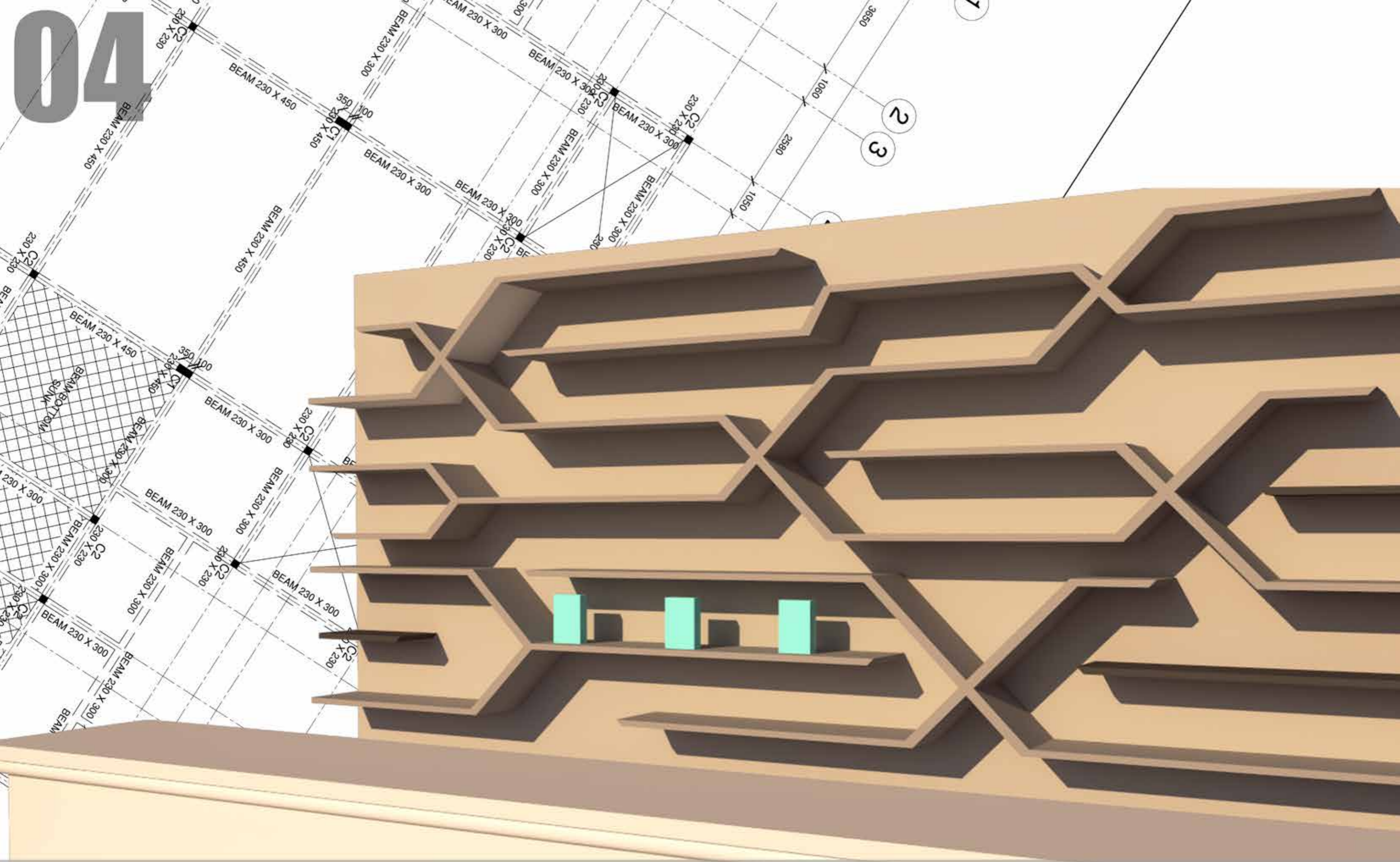
On left side there are shops those are being used to supply packed food and beverages"





GREEN CORRIDOR

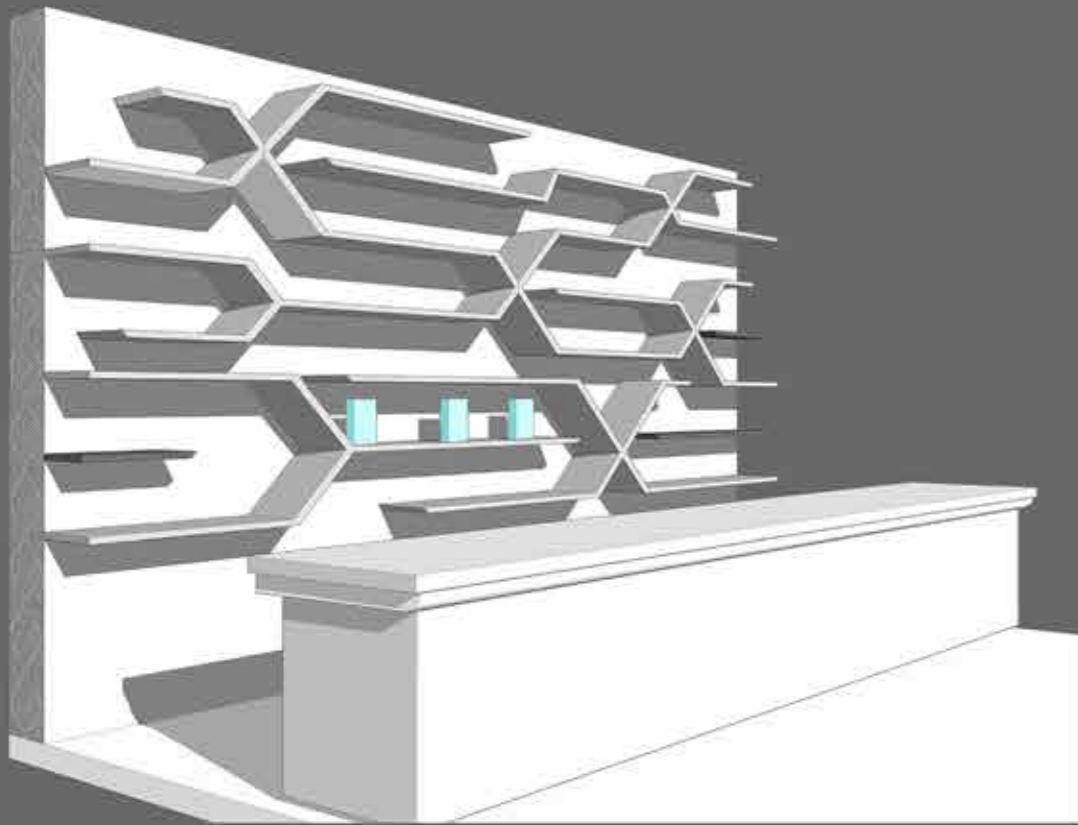
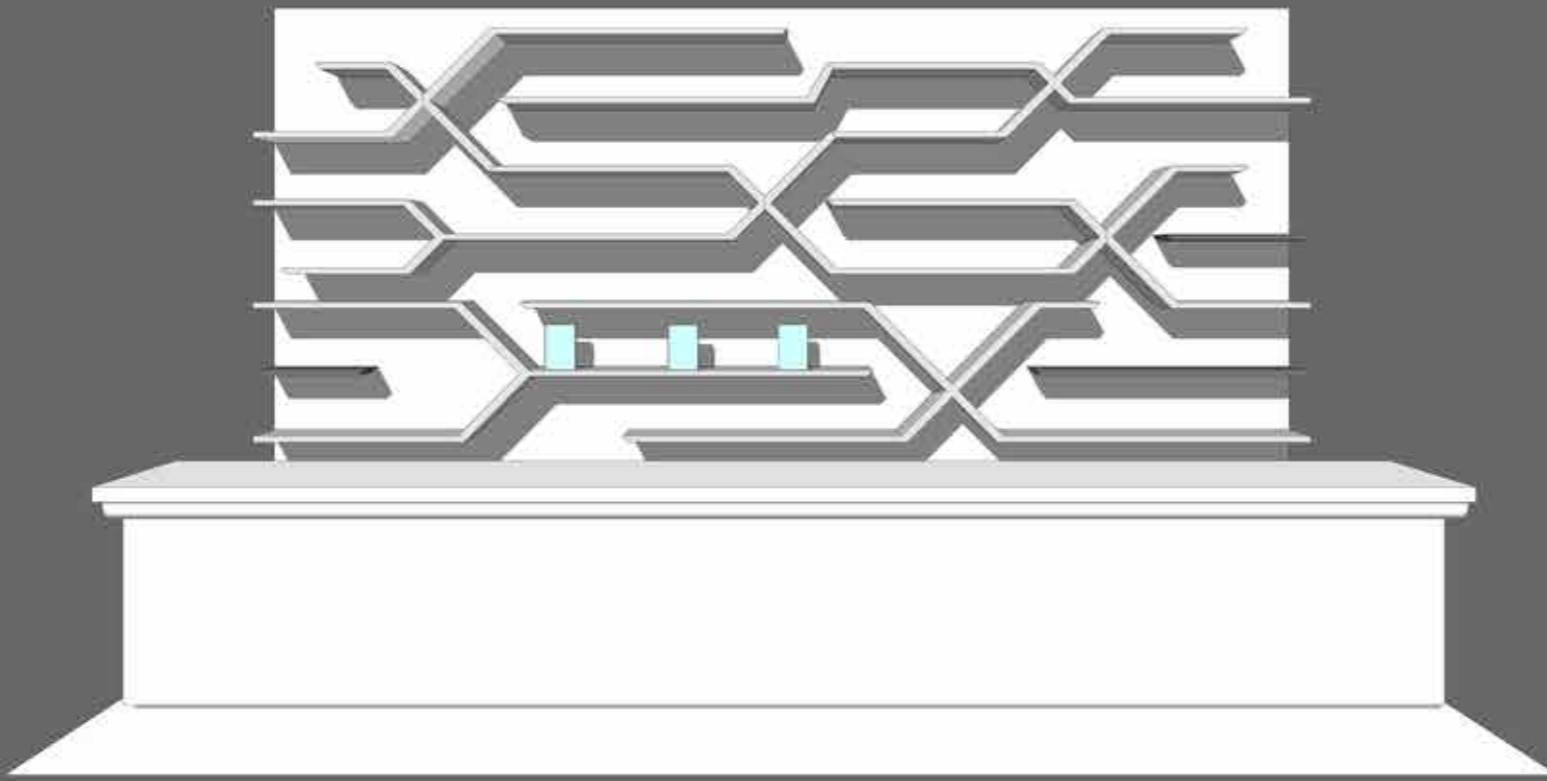
A corridor with trees at both the side making a walkway to the childrens' play area that create a calm ambience for all the people moving through it.



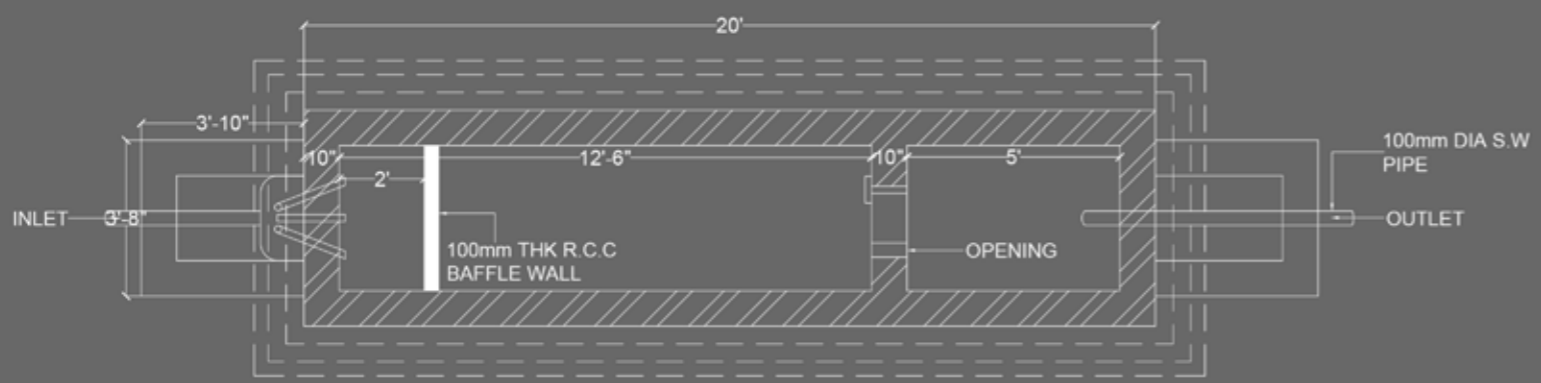
TRAINING PERIOD WORK

The following pages display some of my work that I have done during the training period of 7 weeks in NASCENCE Architects, Bhubaneswar, Odisha. This page includes design of an interior wall of a mobile shop as well as details of tanks that I have done in working drawing in a residential project.

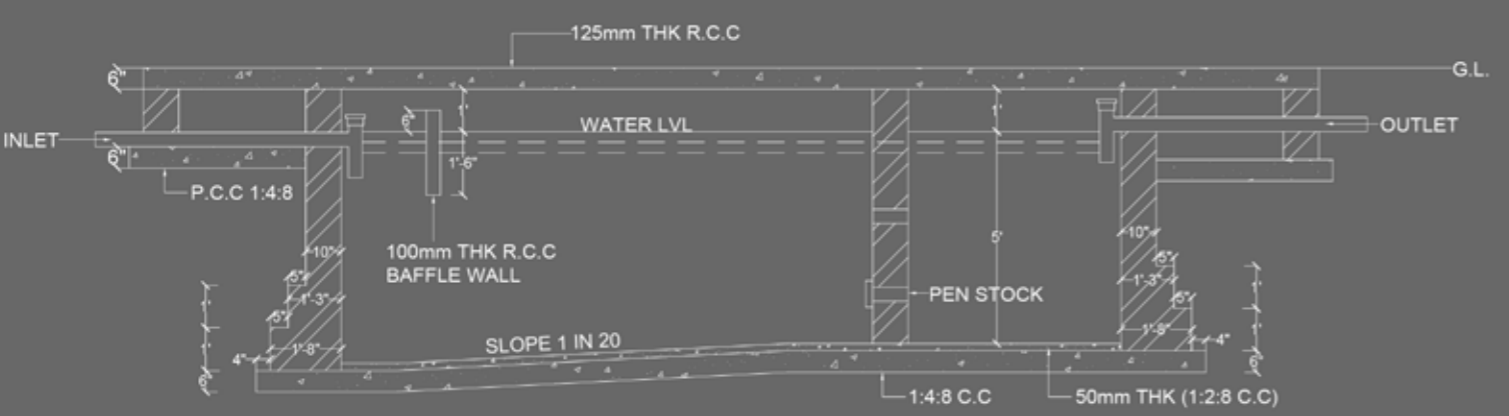
MOBILE SHOP INTERIOR WALL



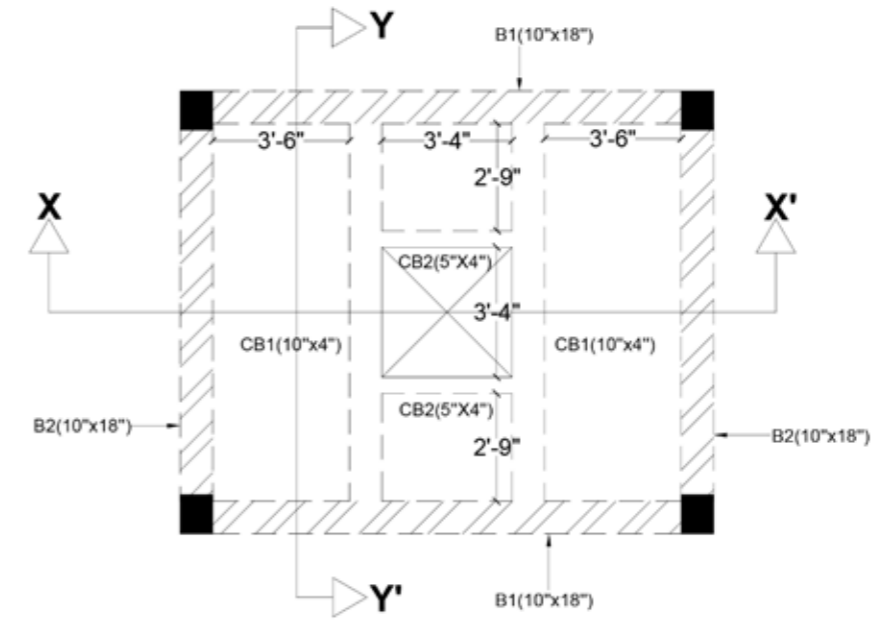
WORKING DRAWINGS



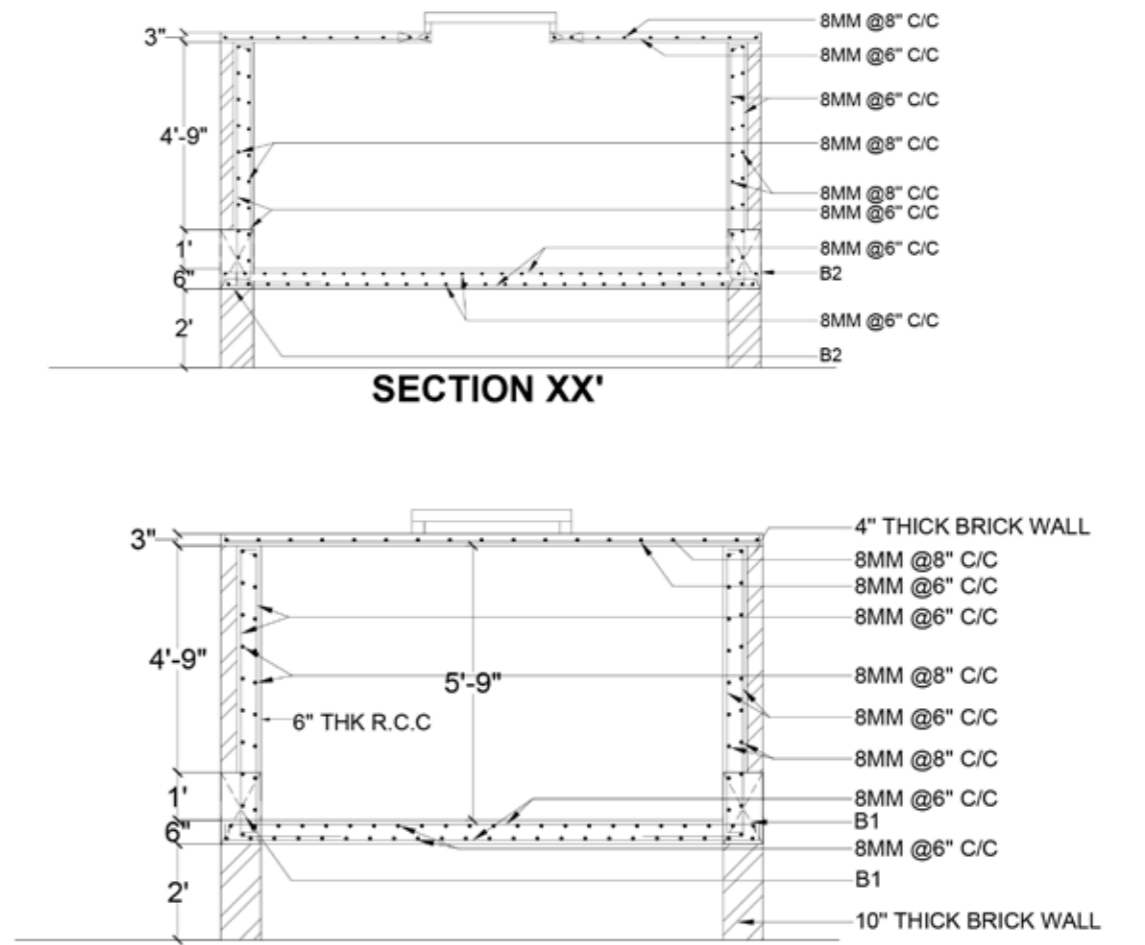
PLAN OF SEPTIC TANK



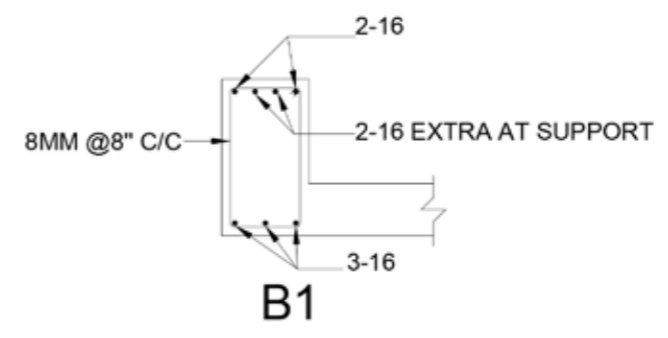
SECTION OF SEPTIC TANK



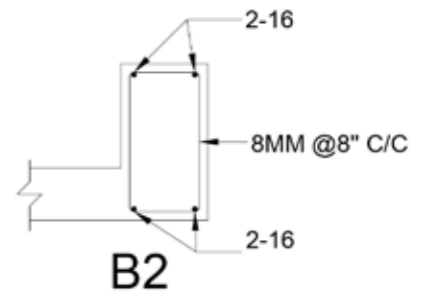
SECTION XX'



SECTION YY'



B1



B2



CREATIVE WORKS

The following pages display some of my creative work that includes Photography and Model-Making. The model displayed is a model of residential area having maximum clear span (20m. diameter) built with the technology used in stone age. It was prepared in an assignment of History of Architecture in my 3rd Semester(Year-2015).

CAMERA PHOTOGRAPHY:



MOBILE PHOTOGRAPHY:



MODEL MAKING:



Thanking you

