



OASIS VALLEYS

Architectural Design for a Character Development Institute

Client:	M/s O. A. S. I. S.
Site Location:	Chanod, Vadodra, Gujarat
Plot Size:	35,713 sq m
Construction Area:	33,099 sq ft / 3,075 sq m
Cost of Project:	Confidential
Year of Completion:	2017
Services:	Architectural Planning, Interior Design, Landscape Design, MEP Integration
Firms Involved:	EssTeam, Essact



In 1989, a group of 10-12 enthusiastic youths started informal gatherings evolving into weekly self-development sessions for 250-300 youths. Informal organization founded by Sanjivbhai and Sheebaben known as “Oasis-a university of Love, Life & Friendship for youth” was set up. Oasis got involved into a dozen of social welfare activities. Our activities are spread in various cities of India, viz Vadodara, Surat, Navsari, Rajkot, Ahmedabad, Mumbai, Bengaluru and also in Jammu & Kashmir, USA & Europe. At present, more than 30,000 people have directly benefited so far from Oasis Programs and we aspire to reach out to many more in coming years.



Haakal Project

India Young Leadership Development

Hnu Chhu Jyotirdhar Abyiyan

The L3 Workshop



Oasis Life Camps

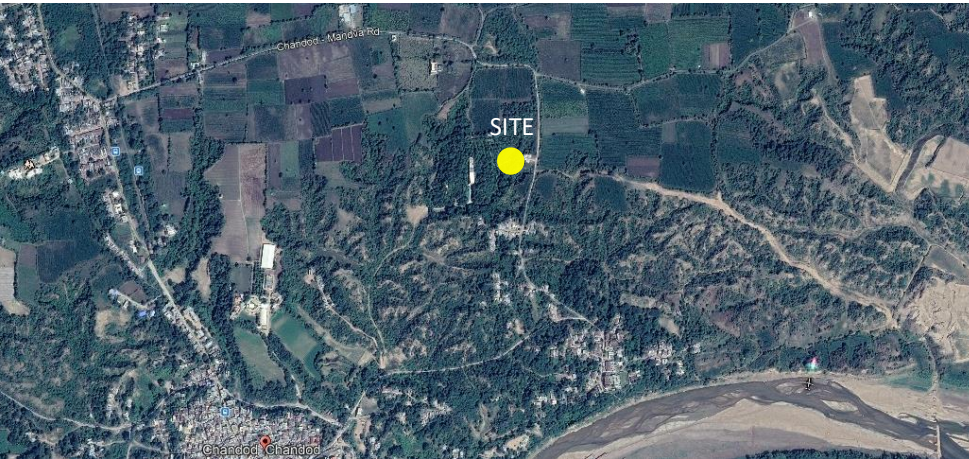


Education is Dying Movement

Over 100 Publications

Misaal Project

Oasis Dream India Camps



THE PROJECT:

OASIS, a wonderful trust working in the sector of character building, approached us with a barren hilly land with a clear idea to make it their head quarters. The first thing that was done was to plant about 5000 trees and then we decided to make a building that would create minimum disturbance to the environment. The building is a rectangular block measuring about 12 m x 80 m sitting North-South, in the valley with the hills sloping down on the East, West and the North to create minimum disturbance to the rain water flowing through these ravines of River Narmada.

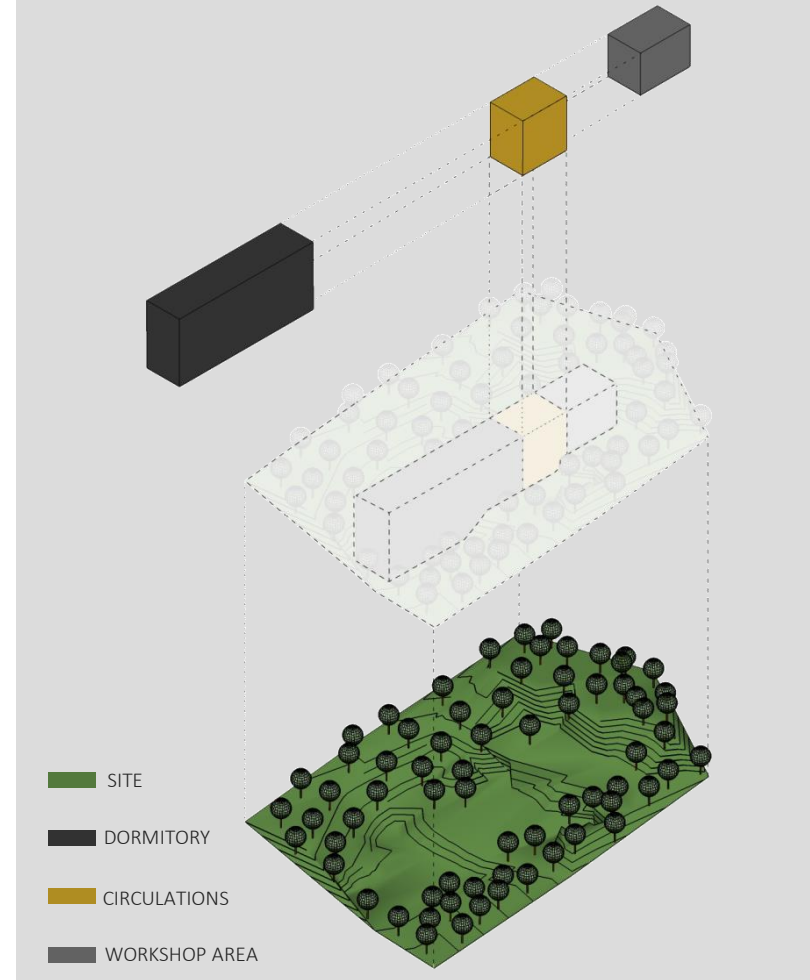
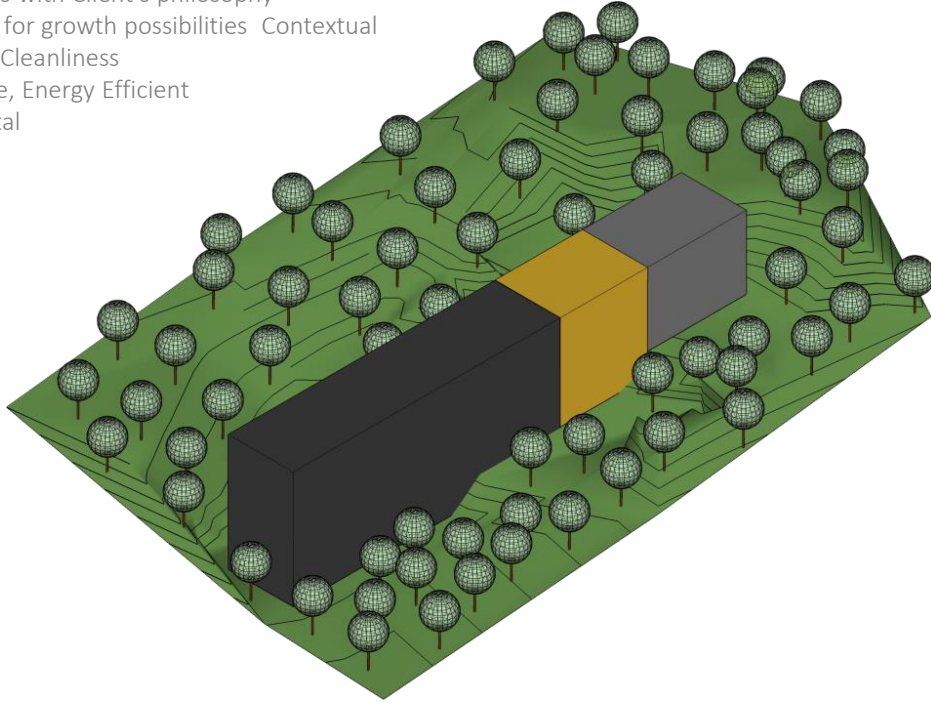
THE SITE:

The site is located on a barren hilly land in the ravines of river Narmada with an area of 35,713 sq m, in a village named Chanod in the Vadodra district of Gujarat.

The building is a rectangular block measuring about 12 m x 80 m sitting North-South, in the valley with the hills sloping down on the East, West and the North to create minimum disturbance to the rain water flowing through the ravines of River Narmada.

THE PROJECT REFLECTS

- Oneness with nature
Transparency
- Articulates with Client's philosophy
Flexibility for growth possibilities Contextual
- Hygiene/ Cleanliness
- Innovative, Energy Efficient
- Low Capital



BUILDING PLACEMENT AND ORIENTATION

MINIMUM FOOTPRINT

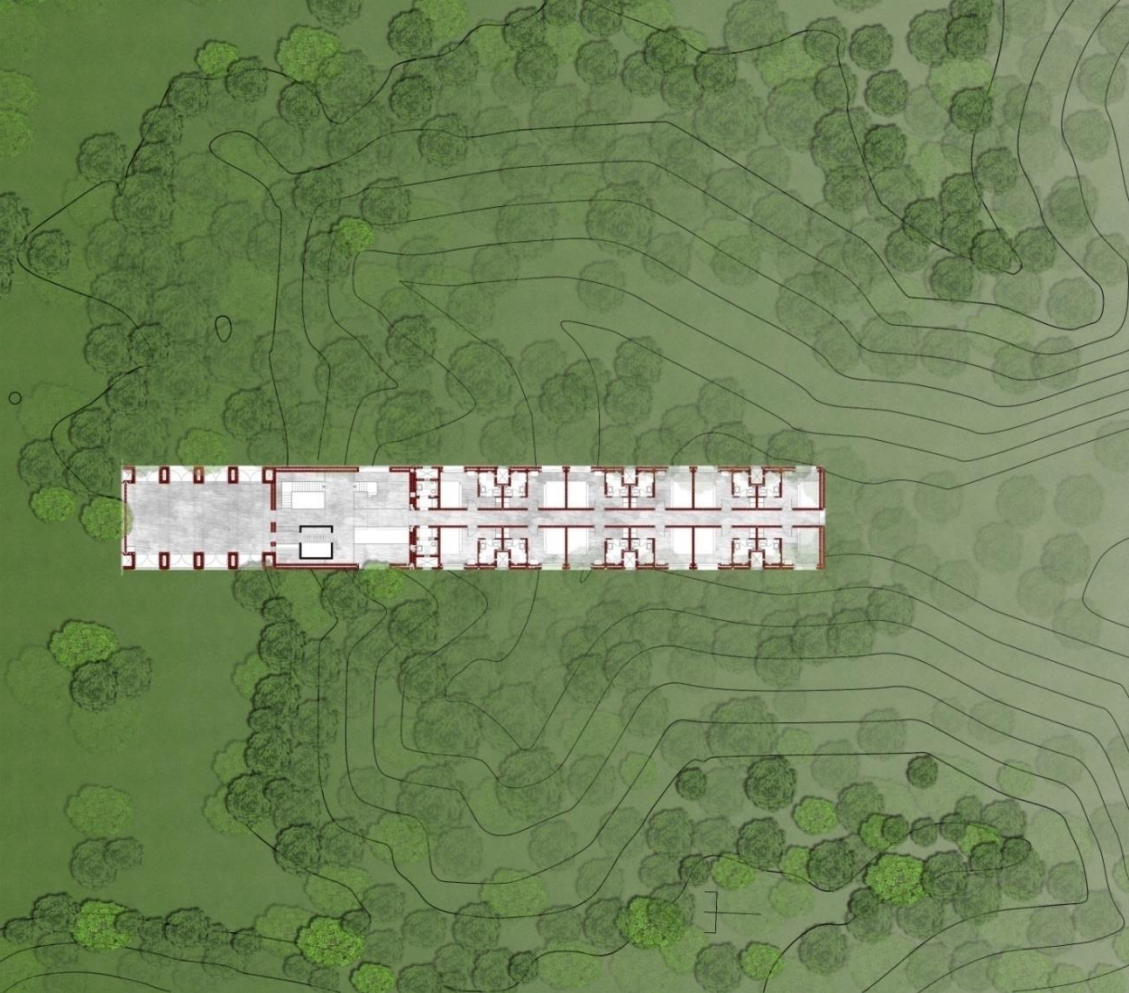
CHARACTER BUILDING TO BUILDING'S CHARACTER

ONLY THE RIGHT, AT EVERY STEP

MINIMUM FOOTPRINT

CHARACTER BUILDING TO BUILDING'S CHARACTER

ONLY THE RIGHT, AT EVERY STEP



On such a beautiful hilly site of about 7 acres, the design exhibits tremendous restraint of occupying minimum footprint, and doing minimum harm to the environment. This is to create minimum disturbance to the rain water flowing through River Narmada. The building consists of the two set of spaces- Workshops and Residential Spaces, connected by a very interesting 5 storeys tall atrium. The movement across the atrium on various floors are through interestingly composed bridges and landings which encourage lot of interactions across the levels. The entry to the building is through the top floor which is a paradigm shifting experience for the visitor, which is also one of the important aspect of the character building education which is the primary mission of this institute!



SITE PLAN

MINIMUM FOOTPRINT



ENTRANCE FLOOR PLAN



TYPICAL FLOOR PLAN

The institutes consists of 2 workshop halls, each with about 80 kids capacity, 12 guest rooms, dormitories for about 120 kids, and necessary cooking, dining and sanitation facilities.

- 01. Kitchen
- 02. Atriums
- 03. Dining
- 04. Multipurpose spaces

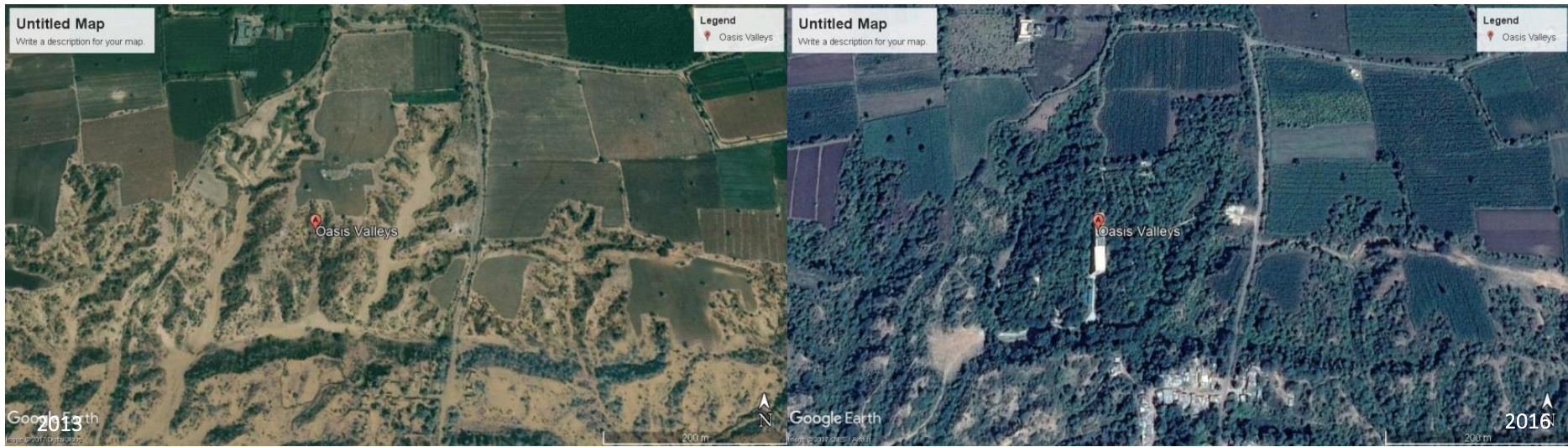
0 1 2 3 5m



MINIMUM FOOTPRINT

CHARACTER BUILDING TO BUILDING'S CHARACTER

ONLY THE RIGHT, AT EVERY STEP



The site being a barren land in the year 2013, was managed by planting 5000+ trees in the 7 acres site area to create an ecosystem of its own.





EAST ELEVATION



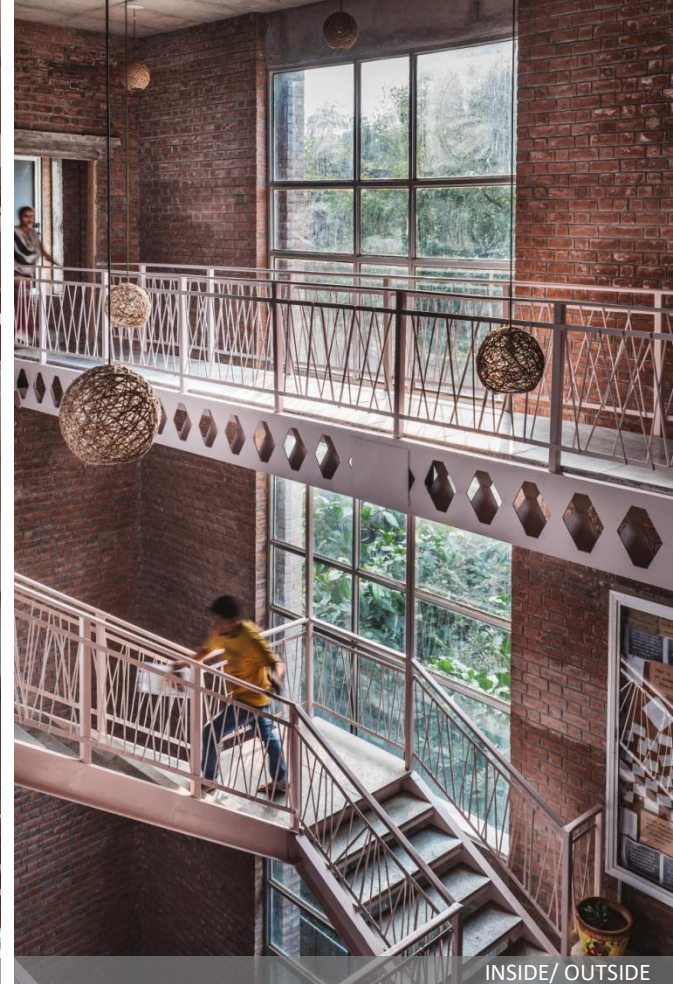
SECTION THROUGH ATRIUM

Paradigm Shift, Integrity, Pro-action and Love, we were really moved by the cause and the concept. So, our natural response was to create a building that would amplify these values.

CHARACTER BUILDING TO BUILDING'S CHARACTER- PARADIGM SHIFT



CONVERGENCE OF BRIDGES IN THE ATRIUM

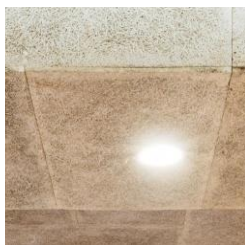


INSIDE/ OUTSIDE

CHARACTER BUILDING TO BUILDING'S CHARACTER- PARADIGM SHIFT



KOTAH STONE



FORM FINISHED
CONCRETE



MILD STEEL



CLAY BRICKS

The material palette naturally was selected such that there is nothing to hide and form finished concrete and clay bricks, with basic flooring material like Kotah stone used everywhere in the flooring and in the wet areas.



ENTRANCE

CHARACTER BUILDING TO BUILDING'S CHARACTER- HONESTY



TREES COVERING THE BUILT FORM

CHARACTER BUILDING TO BUILDING'S CHARACTER- HONESTY



THE STUDENT DORMITORY

CHARACTER BUILDING TO BUILDING'S CHARACTER- HONESTY



EXCEL: THE CONFERENCE ROOM

CHARACTER BUILDING TO BUILDING'S CHARACTER- HONESTY

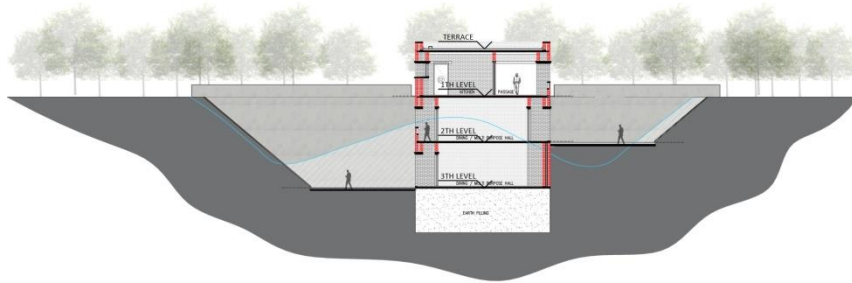
MINIMUM FOOTPRINT

CHARACTER BUILDING TO BUILDING'S CHARACTER

ONLY THE RIGHT, AT EVERY STEP



SOUTH ELEVATION

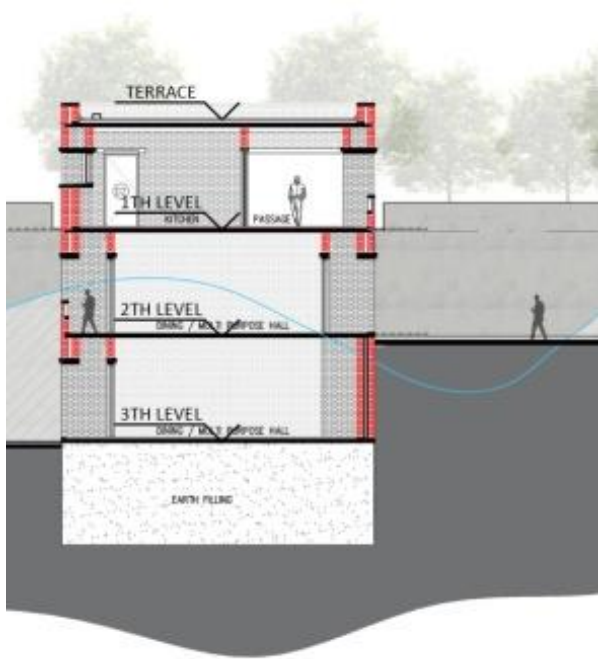


SECTION THROUGH MULTIPURPOSE HALLS

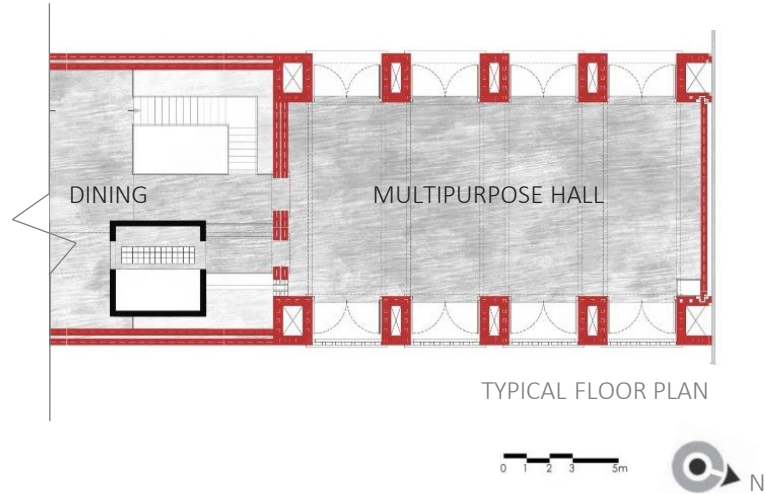


THE SOUTH FACADE

In terms of sustainability, the building tries to take a step in the 'Right' direction at every stage. The building orientation and placement in the valley full of trees ensures that the building is shaded most of the time from direct sunlight keeping the building cool.



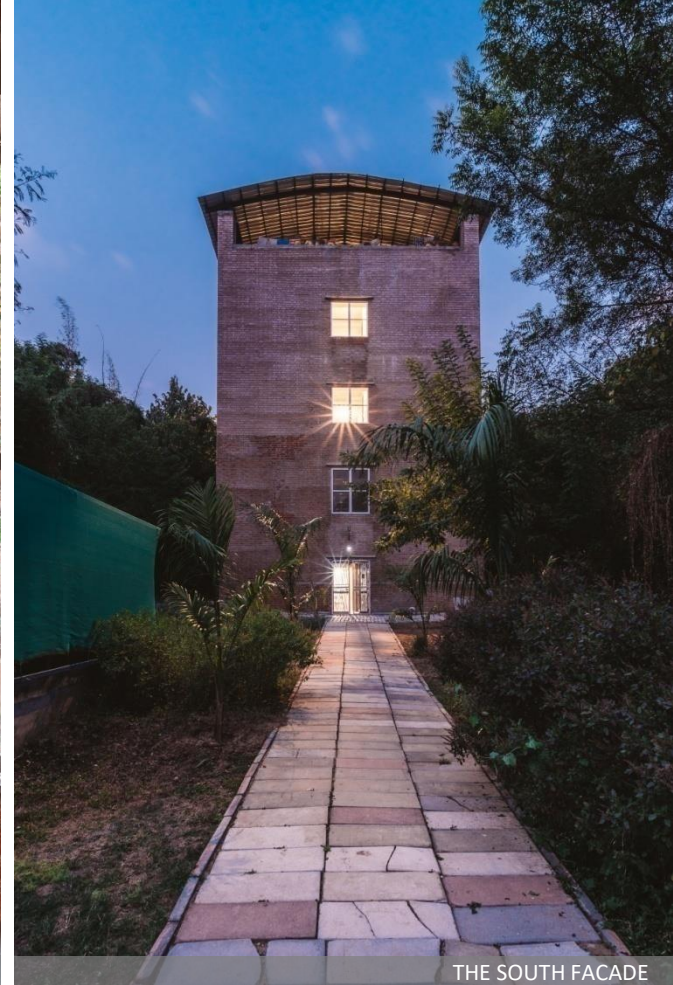
The cavity wall structure adds to the thermal comfort levels, thereby reducing heat gain. The part plan and section shows how the cavity walls are strategically planned in order to create a comfortable environment for the users.



ONLY THE RIGHT, AT EVERY STEP- CAVITY WALLS



CAVITY WALLS FOR THERMAL COMFORT



THE SOUTH FACADE

ONLY THE RIGHT, AT EVERY STEP- CAVITY WALLS

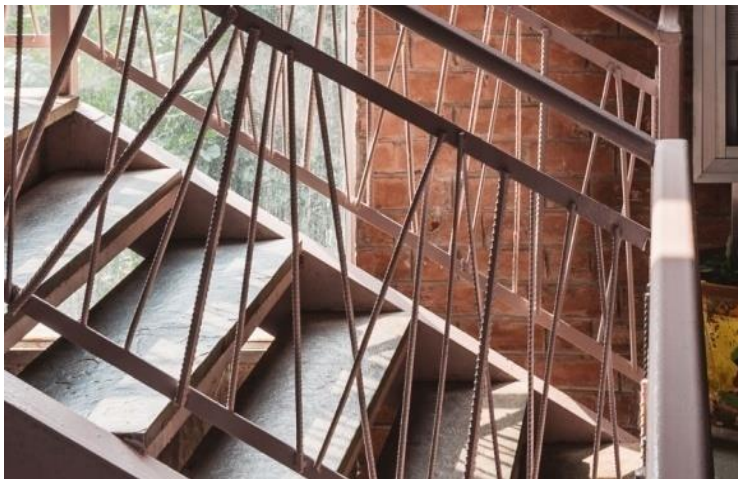


MULTIPURPOSE ROOM

ONLY THE RIGHT, AT EVERY STEP- CAVITY WALLS



All the bathing water comes through the solar water heaters, and all the food waste, farm waste and the sewage waste is converted to manure through Bio-Compost plant and vermi-compost plants. The project reduces the resource consumption by using second quality and discarded Paver blocks for pathways, and using all the reinforcement steel waste for railings and grills.



ONLY THE RIGHT, AT EVERY STEP- REUSE, REDUCE, RECYCLE



There is practically no paint used in the entire building, and hence VOCs are out of the picture. The major construction materials used are clay bricks, kotah stone, form finished concrete and mild steel. Also the green being a major part of the design, elevates the oxygen levels in the entire campus as the building is surrounded by various trees.

ONLY THE RIGHT, AT EVERY STEP- ZERO VOC



CONNECTED PATHWAY AT ATRIUM

ONLY THE RIGHT, AT EVERY STEP- ZERO VOC

 essteam

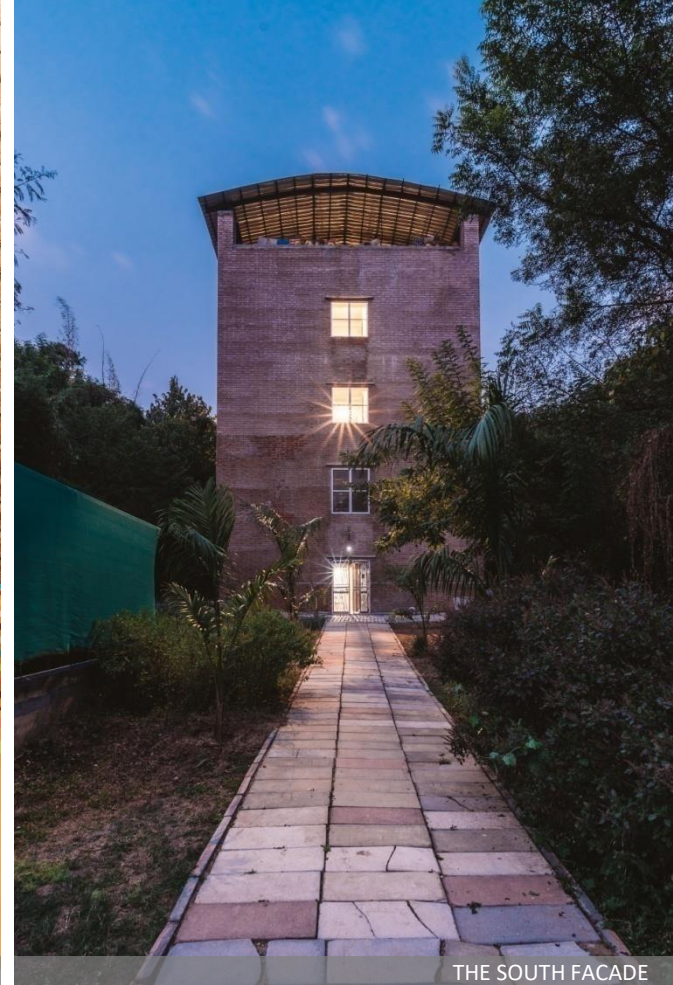


DINING AREA

ONLY THE RIGHT, AT EVERY STEP- ZERO VOC



ROOMS



THE SOUTH FACADE

ONLY THE RIGHT, AT EVERY STEP- ZERO VOC



The building is practically 100% day-lit and used minimum mechanical means of ventilation like Air Conditioners.

CORRIDOR THROUGH KITCHEN AREA

ONLY THE RIGHT, AT EVERY STEP- 100% DAYLIGHTING

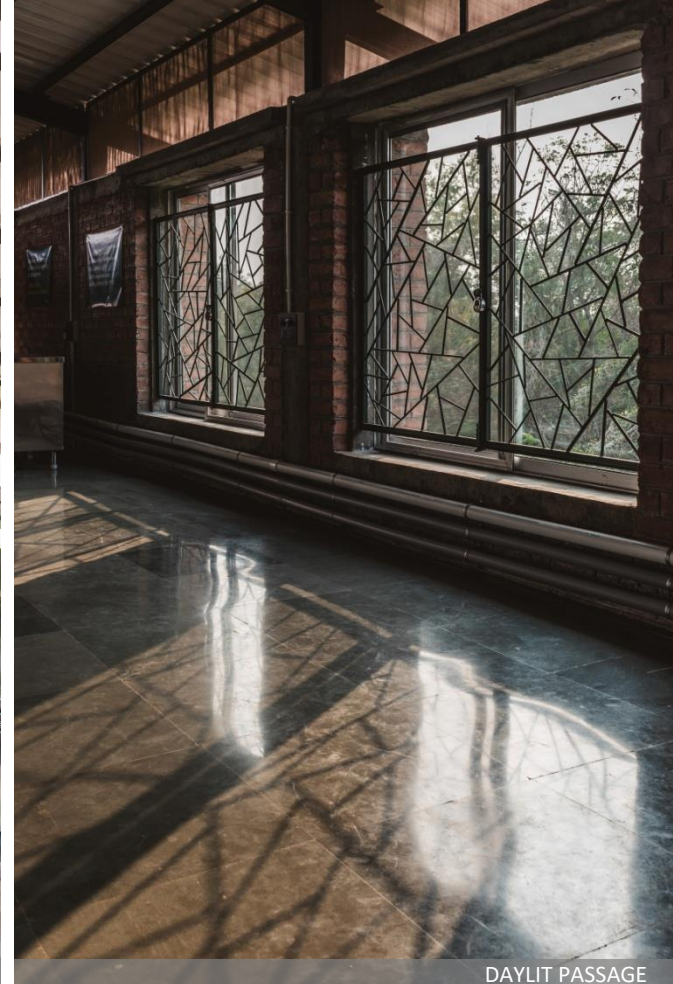


ATRIUM

ONLY THE RIGHT, AT EVERY STEP- 100% DAYLIGHTING



DINING AREA

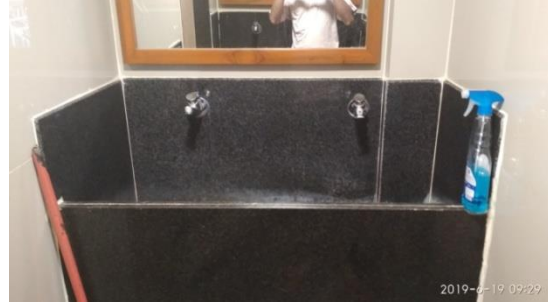


DAYLIT PASSAGE

ONLY THE RIGHT, AT EVERY STEP- 100% DAYLIGHTING



OV wash basin Conceal stop cock



OV-Press matic Tap



OV-Wall Mixer



Canal for directing rain water towards percolation well- Then



Canal for directing rain water towards percolation well- Now

The rain water is collected through bunds, and also directed towards percolation wells to store water. The faucets and flushing devices are carefully picked up to reduce the water consumption, making it extremely water efficient.

ONLY THE RIGHT, AT EVERY STEP- WATER CONSERVATION

OASIS VALLEYS INSTITUTE IGBC GREEN HOMES RATING SYSTEM	INDIVIDUAL RESIDENTIAL UNIT POINTS AVAILABLE	INDIVIDUAL RESIDENTIAL UNIT POINTS ACHIEVED
SITE AND FACILITY MANAGEMENT	18	18
WATER EFFICIENCY	26	24
ENERGY EFFICIENCY	30	24
HEALTH AND COMFORT	14	08
INNOVATION CATEGORY	12	12
TOTAL POINTS	100	86



FINAL RATING ACHIEVED - PLATINUM



• • •
SURAT AHMEDABAD HYDERABAD

ESSTEAM DESIGN SERVICES LLP

contact us

office.essteam@gmail.com | +91 99090 16610

visit us



www.essteam.in



www.facebook.com/EssTeam



www.instagram.com/studio_essteam/

4th Floor, 'Samanvay', Near Chandni Chowk, Piplod, Surat – 395007 INDIA.

Dhanyavadagalu
Shukriyaa
Merci
Dakujem
Xie Xie
Spasibo
Koszi
Gracias
Dakujem
Dhanyavaad
Xie Xie
Grazzi
Paldies
Abhāri Āhe
Kob Kun
Aabhaar
Grazie
Thank You

Bedankt