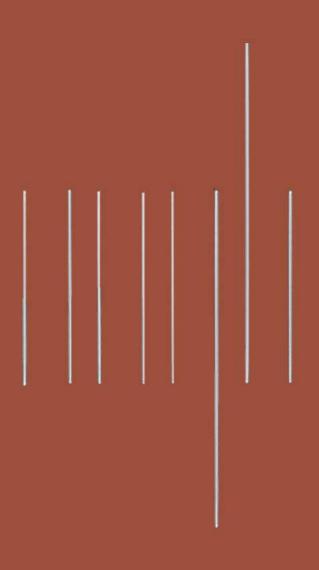
ARCHITECTURAL PORTFOLIO

MUSKAN SHARMA







Muskan Sharma

About Me-

As an avid Architecture enthusiast by nature, Travelling is my favourite thing to do as it brings me peace. Rather than the usual glam and glitz, I find beauty and comfort in simplicity and minimalism.

- Personal —

Birthdate 30th july 1997 Nationality Indian

Hindi, English Language

Contact

+91 - 9407244489 ms430917@gmail.com

Curriculum Vitae

Carmel Convent School, Gwalior Higher Secondary School

SDPS College Of Architecture, Indore Bachelor Of Architecture 2015-2020

Social Skill

Leadership Sensitive Thinking Team Work Empathy Presence Of Mind Active Listening

Software Skill



















Twin Motion MS Office Publication

Revival Of Post Independence And Contemporary Architecture For Human Causes

> Author: Muskan Sharma International Journal Of Research and Engineering, Science and Management

Interest













Education | Work Experience

Pandey Associates, Gwalior As Intern Architect (2 Months)

2019 Sthapatya, Jaipur As Intern Architect

IDIEQ Maker Space, Haldwani, Nanital As Intern Architect (6 Months)

Participation

2019 120 Hours

International Architecture Competition

2018 Sky Walk Design

Wade Asia International Competition

Berkeley Prize Eassy Writing International Architecture Competition

Nari Gandhi Trophy,

By NASA India

Special Mention 2

2017 CTBUH

International Tall Building Competition

Louis I Khan Trophy

By NASA India

59th Annual Nasa Design Competition

By NASA India Shortlisted In Top 100

2016 Laurie Baker Trophy

By NASA India Shortlisted In Top 8

Workshops

2018 Griha

60th Annual NASA Convention

2018 The Open Box-Pinewood Workshop

59th Annual NASA Convention

Parametric Workshop

By Shripad Bhalerao

2017 Mud, Bamboo and Rubble Masonary

By Laurie Baker Centre, Trivandrum, Kerela

Seminars/Conferences

2018 Rai Rewal

Seminar by Wade Asia

2018 Revathi Kamath

Seminar by Wade Asia

Namita Singh

Seminar by Wade Asia Madhvi Desia

By SDPS College

2018 Women Designer Architects and Artist of Asia

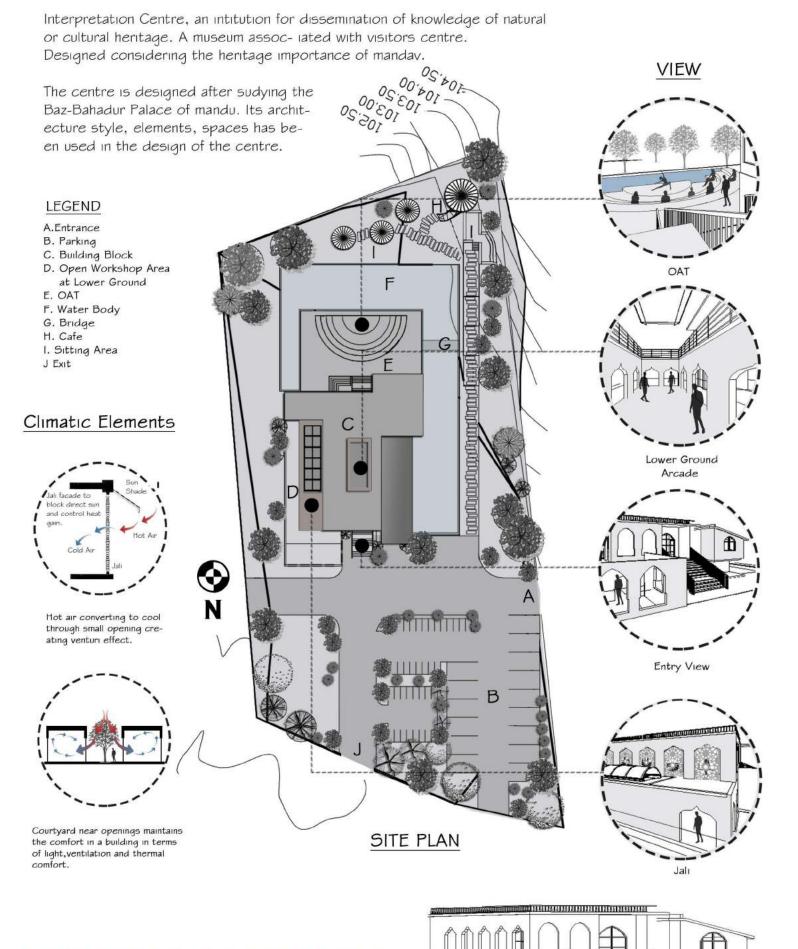
Conference by Wade Asia

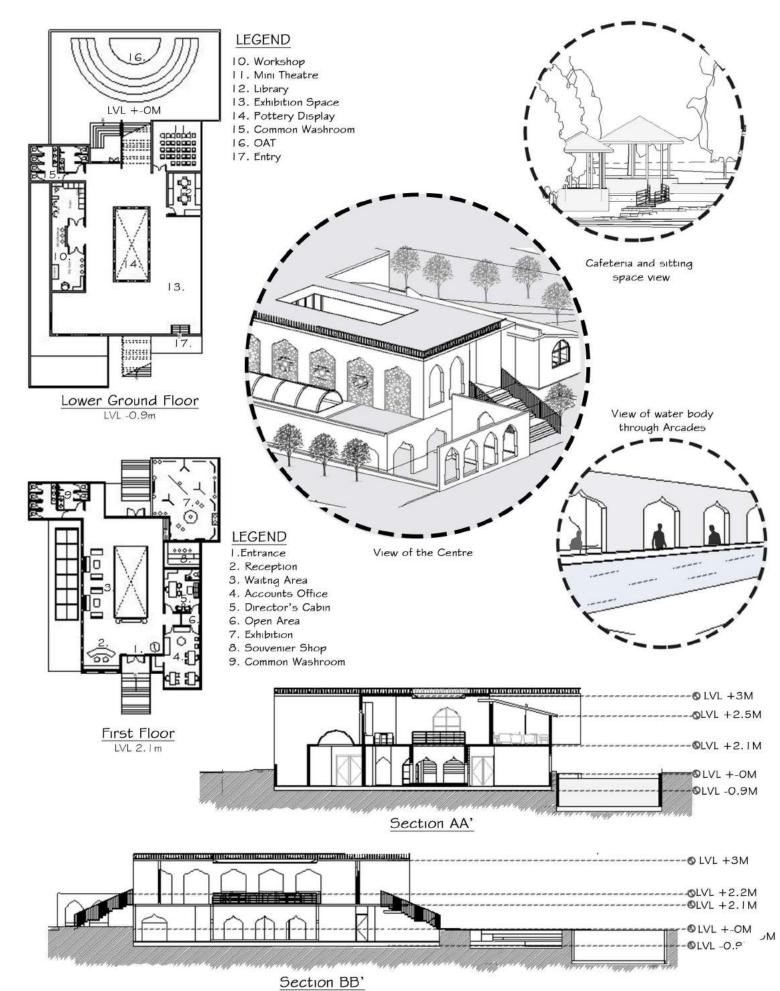
Content

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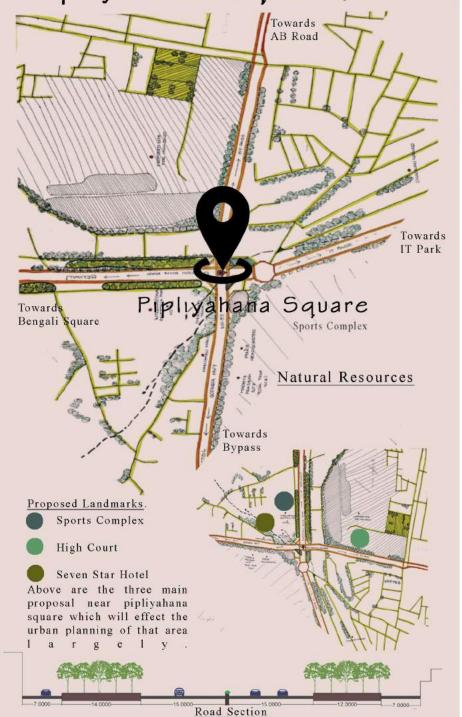
	Academics
	Interpretation Centre Manday
	Urban Design Pipliyana Square,Indore
	Miscellaneous
poo ric,	Worshop -Mud, and Bamboo - Parametric, - Open Box
	IDIEQ Internship
rial	Resort At Pangot Designed using Earthbag as material and build a low cost project
ing	Makers Space A Studio designed for Architects using shpiping container
ay	Residence At Bhatrojkhan Detail Drawings of a holiday home at mountains
	Sthapatya Internship
	Residence of Manoj Tongra
ed	Zen Garden A small garden of a residence desgined on the theme of japanese garden

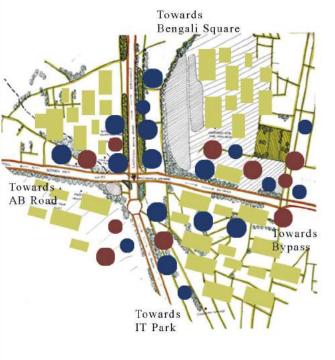
06











Existing Land Use Map

Public/ Semi Public

Residential

Commercial

PROPOSED FLYOVER ON PIPLIYAH-

The vehicles coming from four sides towards the

square and also the pedestrian circulation on main road due to the absence of foothpath create congestion

on the square, due to which rate of accident has been

Due to this problem of heavy traffic and increasing rate

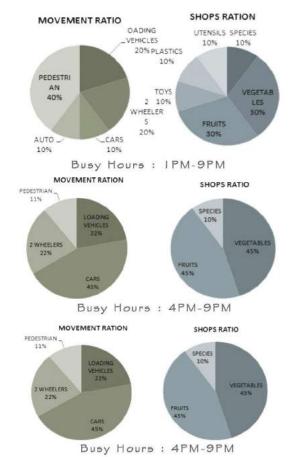
of accident on pipliyahana square, flyover is proposed

diverting the flow coming from bengali square towards

ANA SOUARE

inscreasing day by day.

It park or visa versa.



HIGH COURT



Phase	Components	Details	
Phase-1	Basement Parking floor	340 Car Parking Capacity	
	Main Court Building	141 +84 Court Room	
	Auditorium Building	1000 person capacity	
	Multi Level Parking	Space for 1284 Vehicle, Each floor 21	
	Service Building	BG+1 (Allied Activities)	
	Site Development		

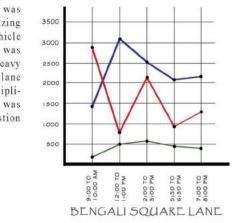
SITE AREA - 37.58 ACRES BUILT UP AREA - 35.69ACRES

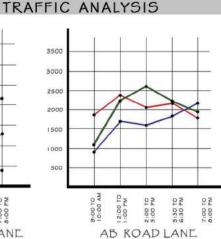
Traffic Analysis was done by anaylizing the number of vehicle and its flow. It was analysed due to heavy flow on each lane coming towards pipliyahana square was creating congestion on the square.

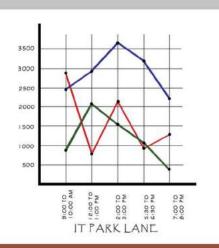
SUNDAY

MONDAY

SATURDAY







CONSEQUENCES

have 4000 people.

-Due to heavy foot count, the traffic count will also inscrease on the godhara highway (main road going towards bypass from the square)

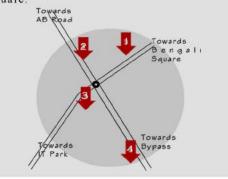
-The road width of the main road is not enough to take the load of more vehicles. -Due to which engestion will increase more, and the problem will increased.



HAAT

Haat only opens on monday at four different spot near square. It acts as a source of income for the vendors coming from near by villages.

Haat is one of the major reason of congestion on the square.



S.W.O.T STRENGTH

- -Major intra and inte city routes.
- -International level projects are proposed
- -Accessibility
- -Haat generates source of employmeny for

WEAKNESS

- -No proper parking for near by landmarks.eg. Hospital, Haat.
- -No pedistrian Path.
- -Congestion
- -No proper bus stop.
- -Water shortage.

- -Pipliyahana Lake can be devloped as point of attraction.
- -Because of flyover traffic congestion will reduced.
- -Expansion of economic activities.

- -Illegal Encroachment(vendors).
- -Accident prone area.
- -The area under flyover can be misused.

CONCLUSION

- -Parking areas
 - -Under Flyover
- -Government land
- -Widening of godra highway:provision of servie road and foothpath.
- -Permanent bus stops.
- -Provision of haat under flyover.
- -Pedestrian pathway.

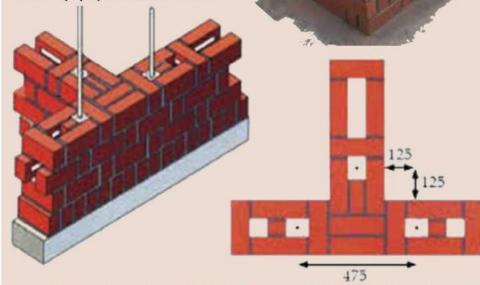
INTERVENTION CAN BE DONE

- -Jogging track and interacting spaces.
- -Dead into liable spaces.
- -spaces under flyover can convert into green spaces.

Workshops

Rat Trap Bond Masonry

An innovative 9" thick brick wall masonry bond that uses brick on edge on the inside and outside, creating an air cavity in the middle. Every alternate brick is taken across to bond and increase strenth. This helps to create a wall with 30% better insulation property and saves material use.



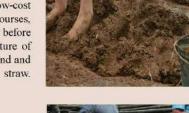
Brick Arch





Cob Construction

Cob is a natural building material made from subsoil, water, fibrous organic material (typically straw), and sometimes lime.Cob is fireproof and uses low-cost materials. Cob walls are laid in courses, each one being left to completely dry before the next one is laid. Cob is a mixture of approximately 1 part clay, 4 parts sand and 1 part straw.













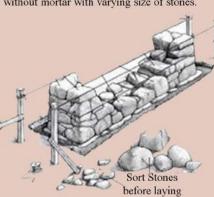
Typical Cob for a 24" thick wall



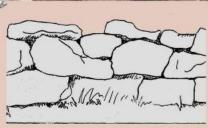
Courses Laid from Cob

Random Rubble

Random rubble walls, for which rough dressed stone are piled up in courses without mortar with varying size of stones.











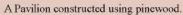
Parametric Pinewood





An open pavilion that becomes a node in

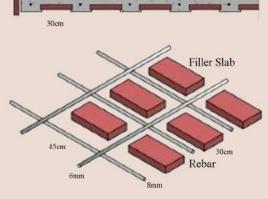


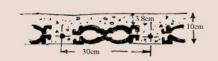


Filler Slab

Another innovative technique used in some parts of india, where the non performing parts of a concrete slab are replaced with an inexpensive and inert material like a terrakota tile or clay brick. The reinforcement is designed to allow these blocks to sit exactly in between while preparing the slab for casting. The technique saves on the volume of concrete used as well as create an interesting pattern from below.



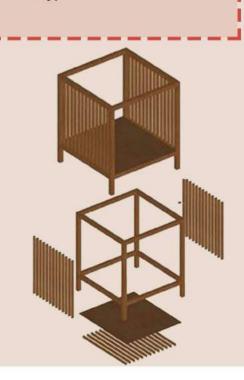




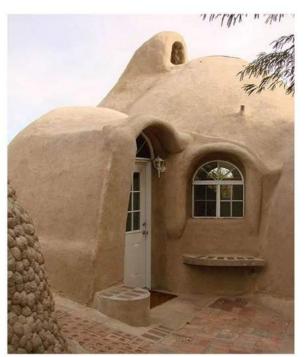


The Open Box Project





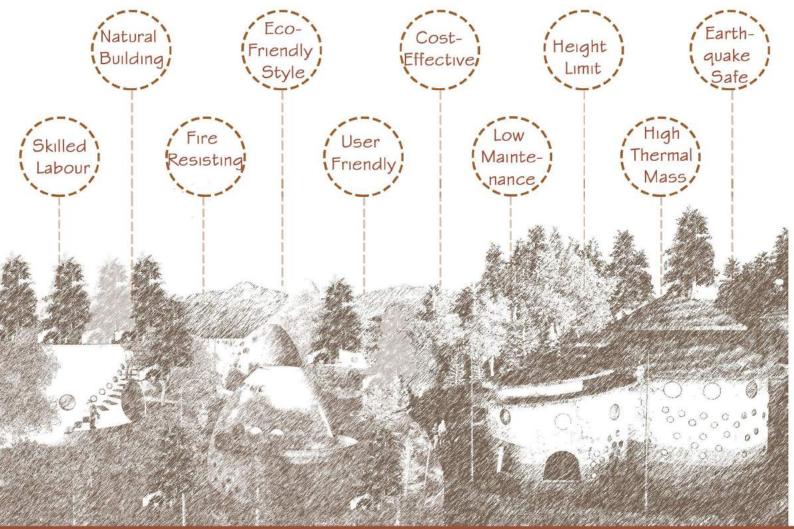
EarthBag 11



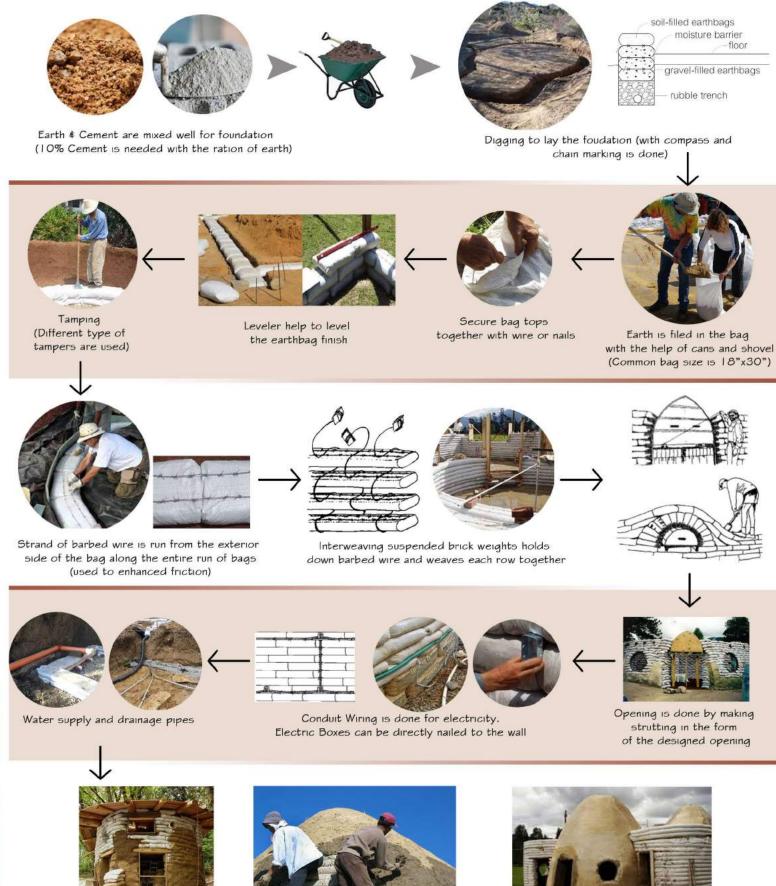
Earthbag structures are mainly located in hot, dry climates. These building has the unique advantage of providing either thermal mass or insulation, and therefore can be adapted for cold climates with an insulated fill material.

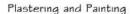
The Earthbag walls are 35 cm thick, but the buttress is formed by a double Earthbag (70 cm thick). The Earthbag dome roof has an average thickness of 28 cm. The continuous polypropylene bag contains an earthen mixture of onsite earth and construction sand in a 1:1 proportion. Slaked lime in water was used as stabilizer, in approximately 10% of the total earthen volume. The sieve analysis showed that the earth mixture contained in weight: 0.80% fine gravel,92.21% sand, 3.42% slime and 3.57% clay. The earth mixture was manually rammed.

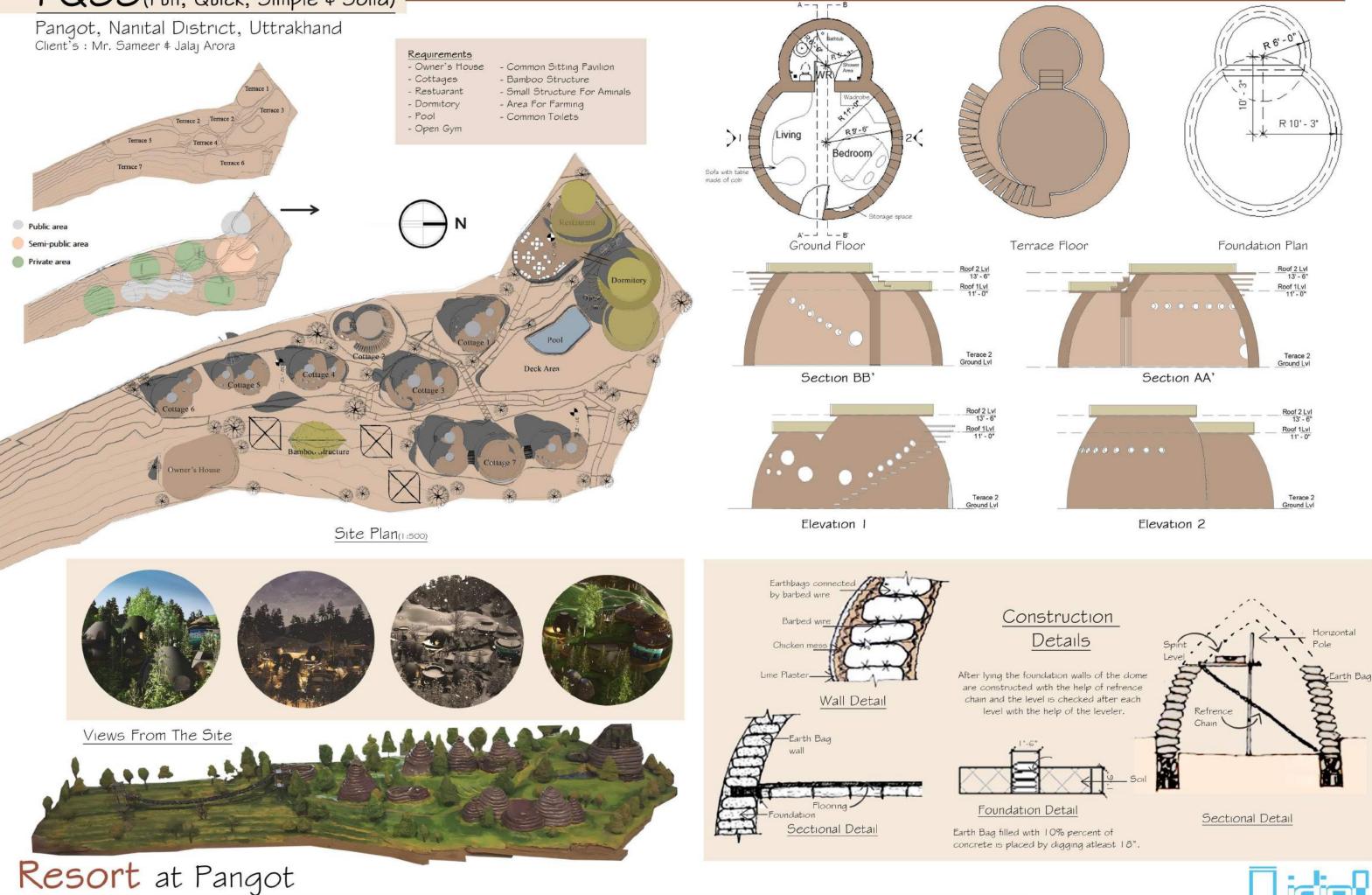
BUILDING PROPERTIES

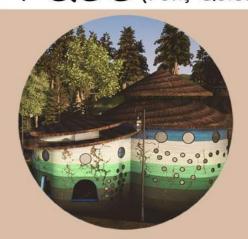


PROCESS OF CONSTRUCTION





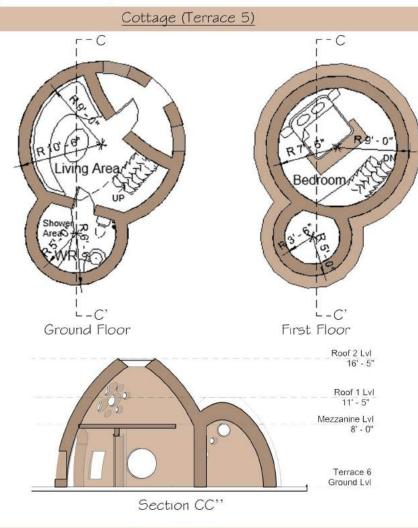




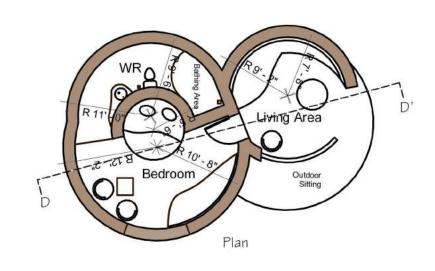


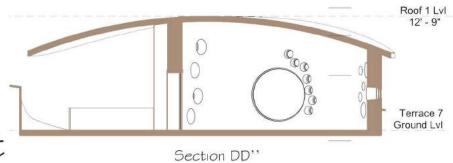


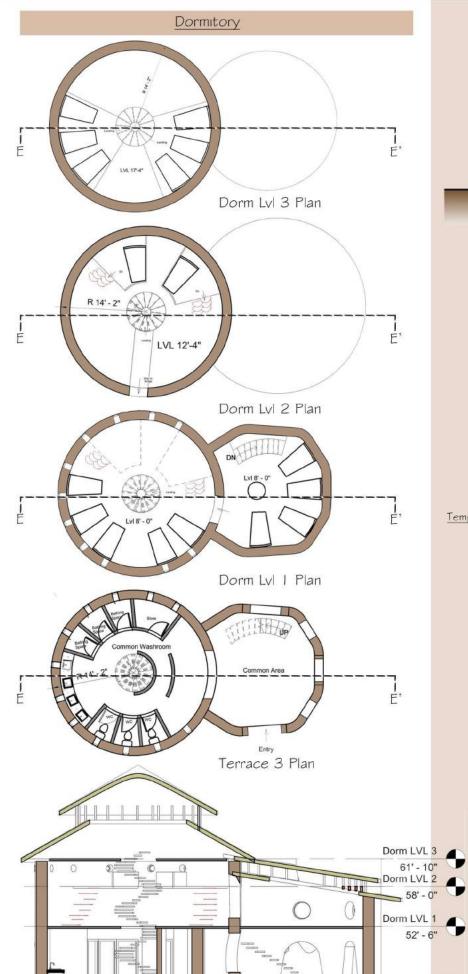




Owner's House







Section EE'

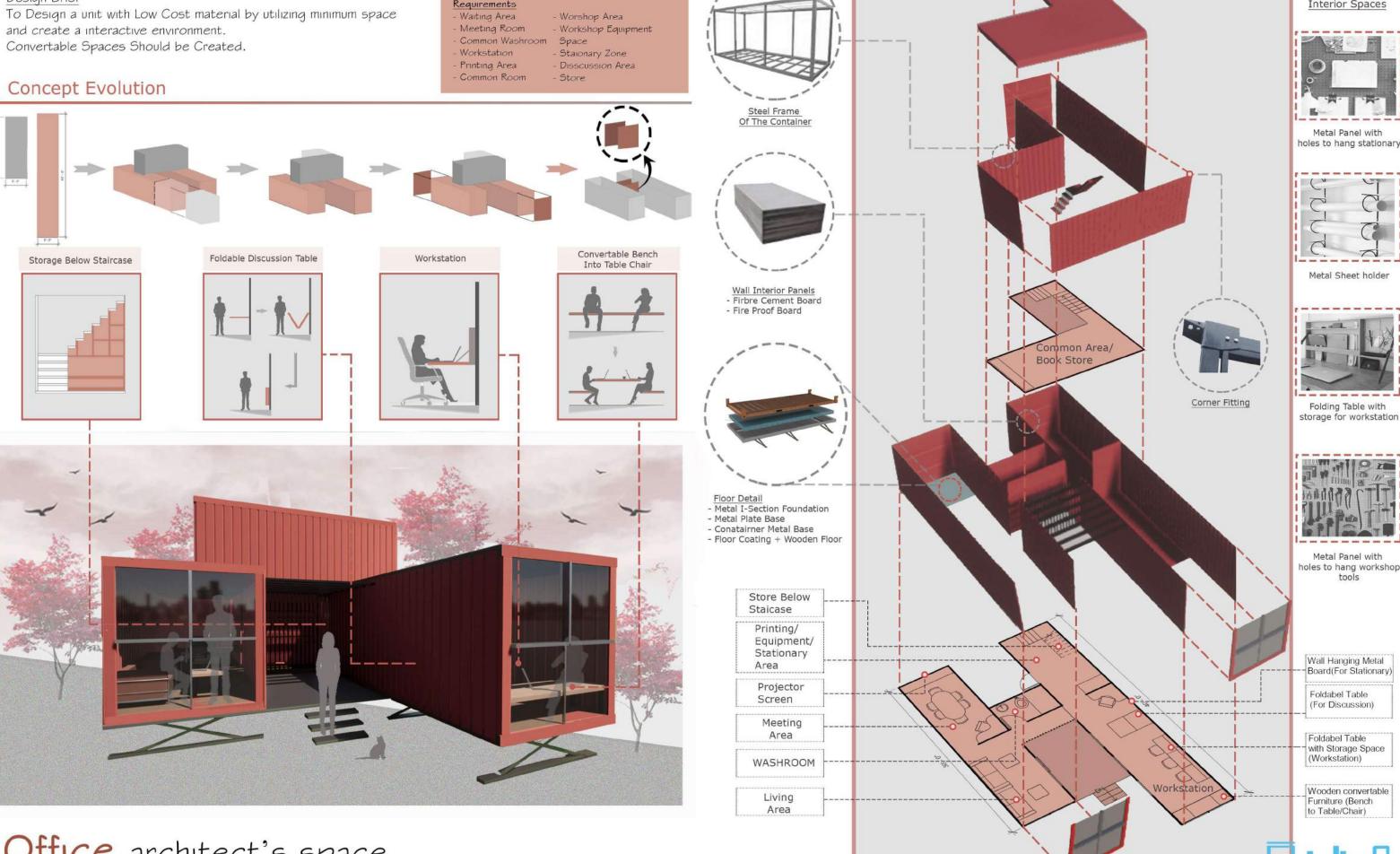
The Profile of an arch is set out to minimise horizontal thrust transfering to the wall. Temperature change inside a earth bag building during noon. Sun Angle During different climates Cross Ventilation through openings 43' - 6"



MAKERS SPACE 18

Design Brief

Requirements



Office architect's space

Interior Spaces







storage for workstation

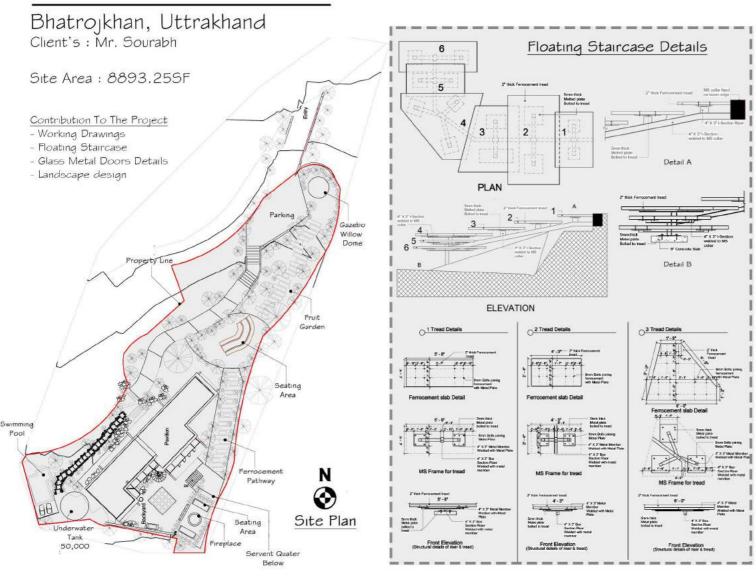


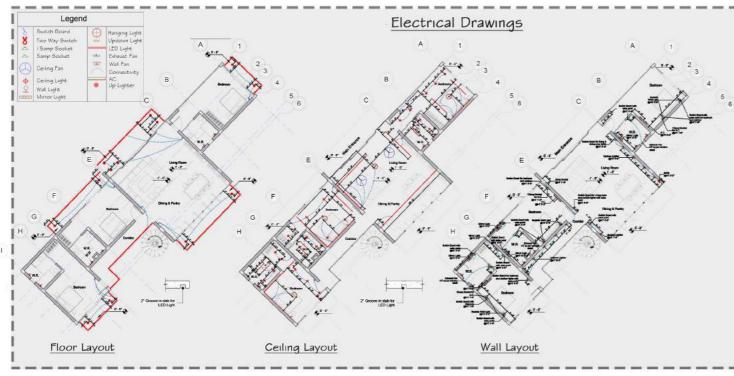
holes to hang workshop tools

Board(For Stationary)



Pavilion House



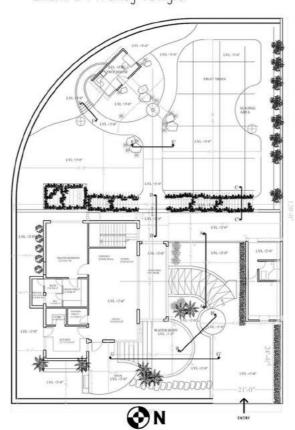


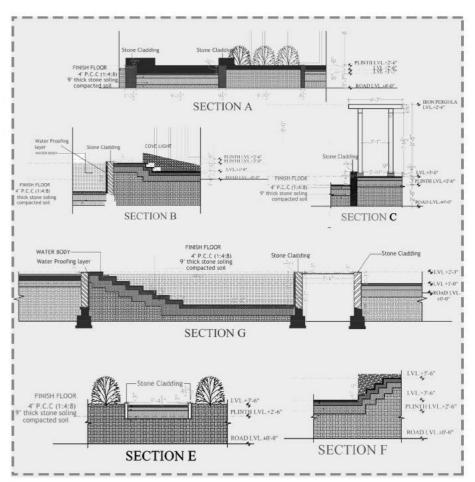
Residence at Bhatrojkhan



Farm House

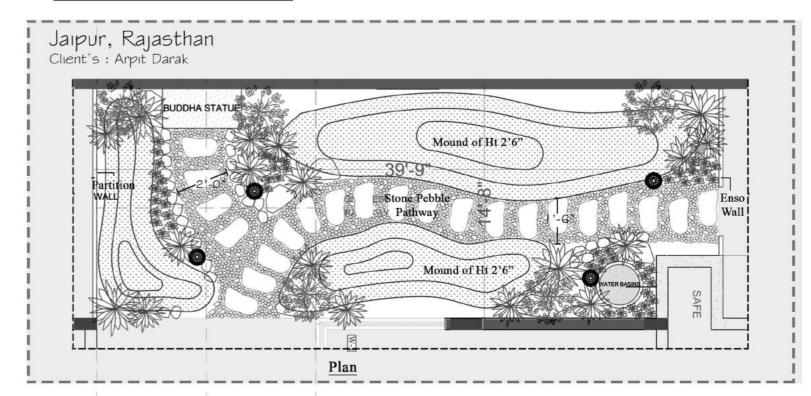
Jaipur, Rajasthan Client's : Manoj Tongra





Zen Garden

Site Plan



Landscape Design

STHAPATYA

