

Nityam Jain CEPT University



Education

Gyan Ganga International School Jabalpur

CBSE School (2006-21)

CEPT University Ahmedabad Bachelors of Architecture (2021-ongoing)

About

City: Jabalpur, M.P. Birth: 27 December, 2003

Languages

Hindi English

Contact

+91 9755055533

+91 8770806004

nityam.nj@gmail.com nityam.u21235@cept.ac.in

nityam.nj

Gurrigulum Vitae

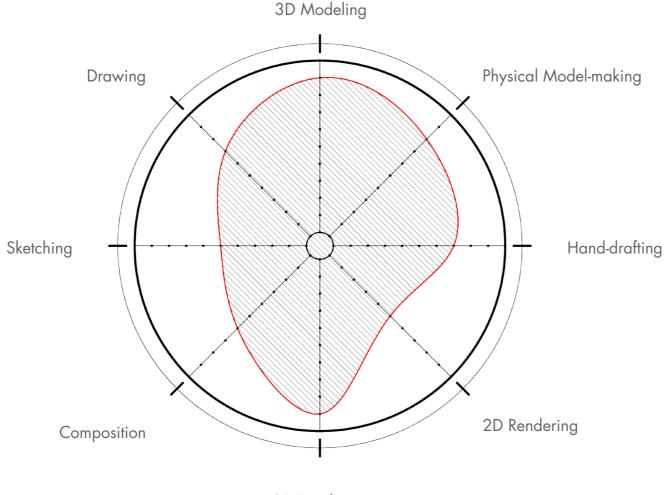
Nityam Jain, Currently a 4th year undergraduate at CEPT University, Ahmedabad.

I like to take initiatives, lead group projects, innovate and brainstorm problem solving products.

As a former head of CEPT Eco Club, I love using waste materials to create something new.

In addition to that, I'm interested to explore the unending possibilities of sustainability and technology in architecture.

I believe that architecture is incomplete without tectonics and spatial quality. Architecture can not be achieved with mere functional requirements. One day, I wish to make people realize the importance of good architecture around them and not mistake it as a four-walled concrete shelter.



3D Rendering

Digital Skills

Drafting and Rhinoceros AutoCAD 3D modelling Grasshopper

SketchUp

Photo editing Photoshop

Illustrations Illustrator Procreate

Sketchbook

InDesign Composition Figma

3D Printing Ultimaker Cura

Rendering Keyshot Enscape

Initiatives

Head of CEPT Eco Club (2022-24) Conducted workshops, events, made furniture PET bottles

1:1 Kinetic Cube (2022) Lead the group study model

Polycycle, a kinetic Installation (2022) Made from old rusted cycles

FA Swing (2023) Fixed the iconic swing in front of FA, CEPT

Batch representative (22-ongoing)

Volunteer in Shubhra Raje's Summer School

Manual Skills

Hand-drafting

Physical Model-making

Laser cut and 3-D printing

Wood work

Metal work

Clay, pottery and glazing

Pencil lead carving

Brickwork

Sketching Canvas Painting

Hobbies and Interests

Drawing fictional characters

Cycling

Swimming

Dancing

Traveling

Making use of waste

Painting

Skating

Installations

CONTENTS

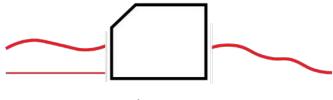
Academic Work



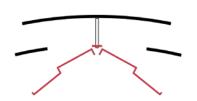
Interstellar Interweave
A Meteorite Exhibition
01



Avian Arboreal Academy
An Institute of Ornithology



Inquisite A Makerspace



The Glory Days
A Place to Indulge

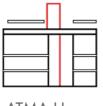
Documentation and Representation



Kumaon Region
Exploring and Documenting the Vernacular Architecture

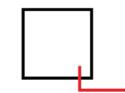


Door Documentation
Elevation and Joineries
31

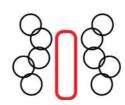


ATMA House Measure Drawing

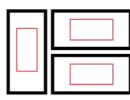
Hands-on Work



1:1 Cube Executed Kinetic Design



Polycycle A Kinetic Installation



Sankalan | Bhuj Brickwork Workshop



Pottery Hand and Wheel-thrown

35

Personal Work



Weave 'n' Sway A Swing



Impossible Geometries Generative Art

38

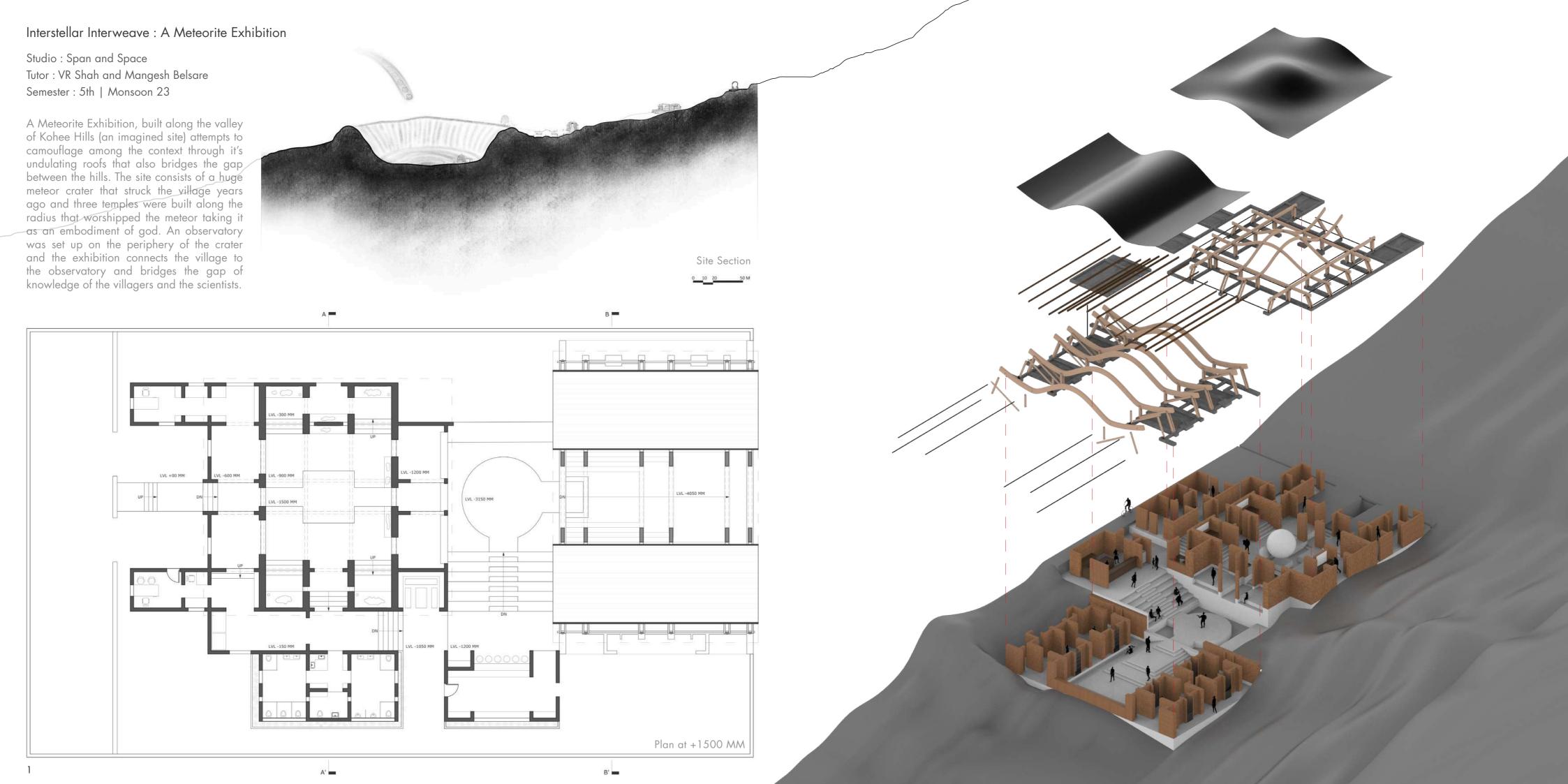


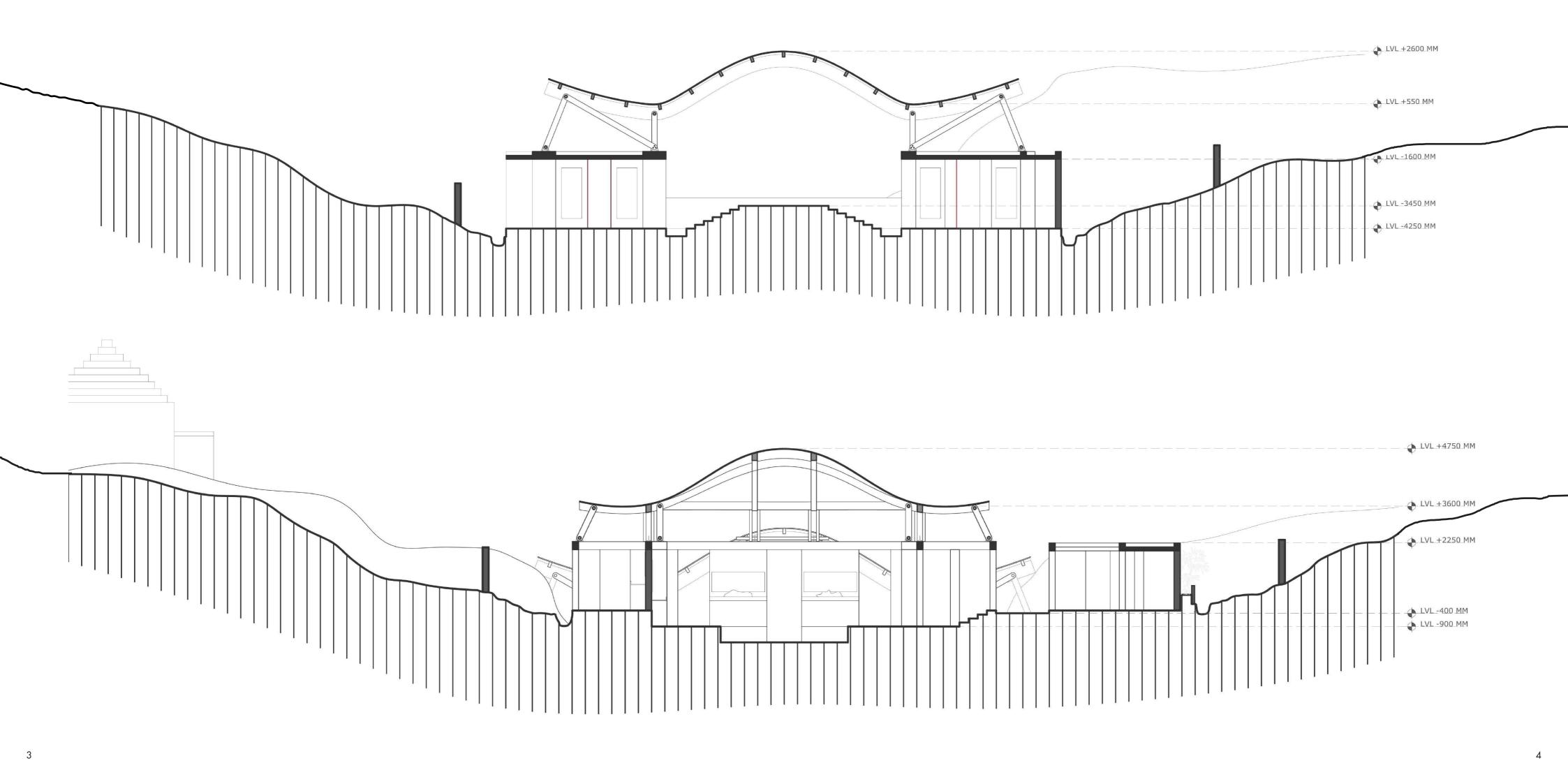
Sketches Fictional Characters

39



Miscellaneous Other Works





Digital model views





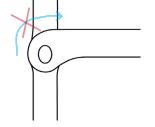




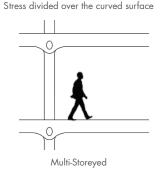




Selected Case Study



No rotation
Stress divided over the curved surface Can not deform because of fix joints



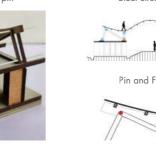
Oval Timber Beams

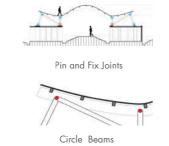


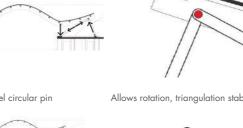














Appropriated Structure









Avian Arboreal Academy : An Institute of Ornithology

Studio : Mettle of Metal : Steel Tutor : Vishal Joshi and Ramesh Patel

Semester : 6th | Spring 24

An Institute of Ornithology, built amongst the lush green context of Thol lake. The concept of the project is inspired from the form and structure of a tree, where the canopy is lifted above the ground through thick trunks that act as a central supporting member. The trunk branches off to multiple smaller parts forming a dense surface. The form of the building attempts to camouflage within the context of huge trees without being a major obstruction visually and physically for the wildlife. The lifted canopy provides a clear ground where the passer by could come and rest for a while and gain knowledge about the local species simultaneoulsly

Camouflaging

Visually organic

Tree-like structure

Minimum footprint

Centrally supported

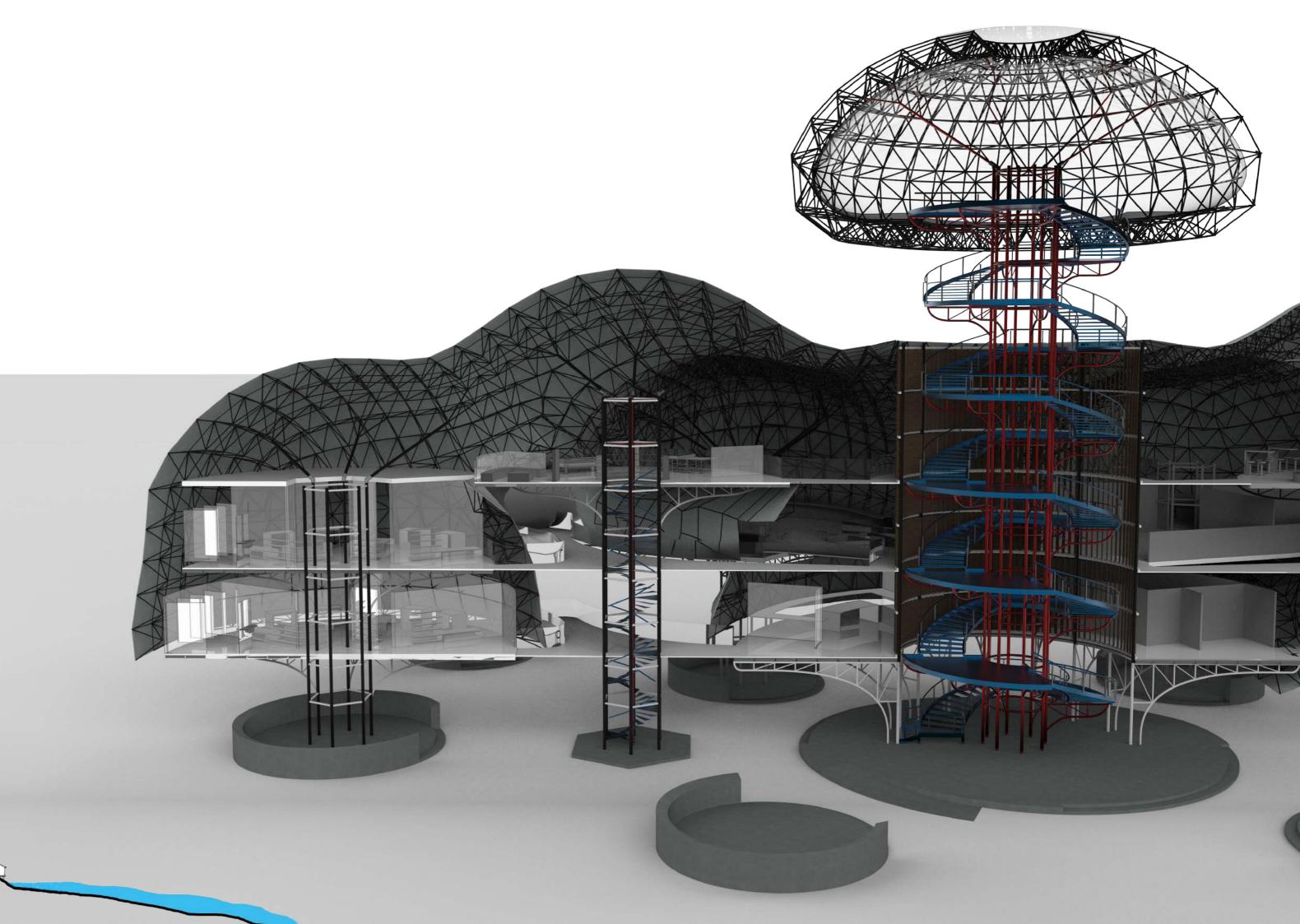
Interwoven Canopies

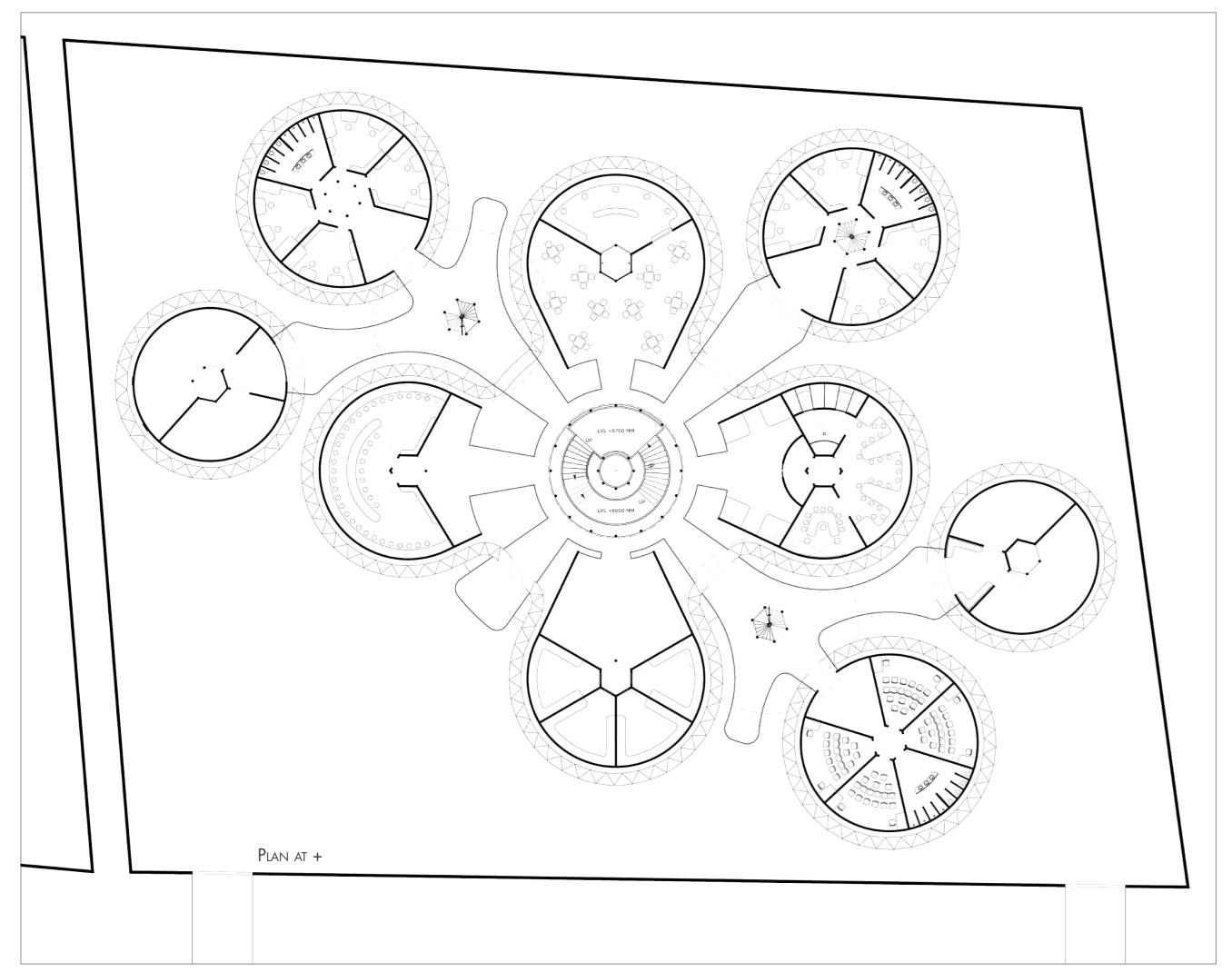
Visually light

Clear ground

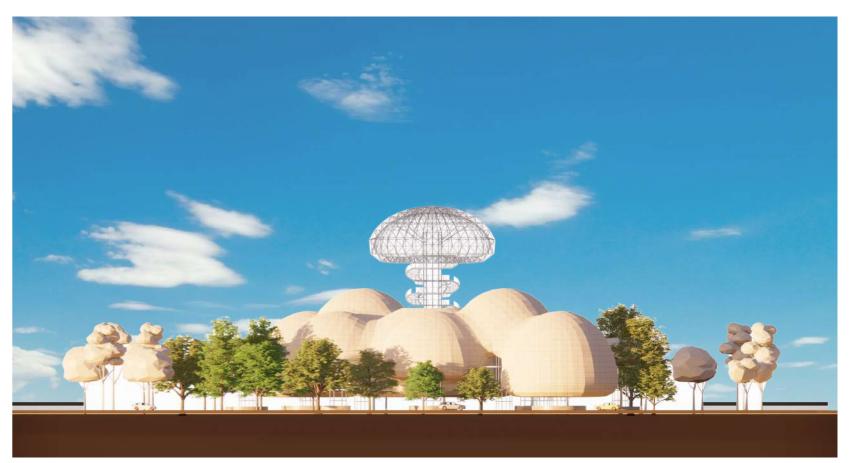
Free birds, caged humans

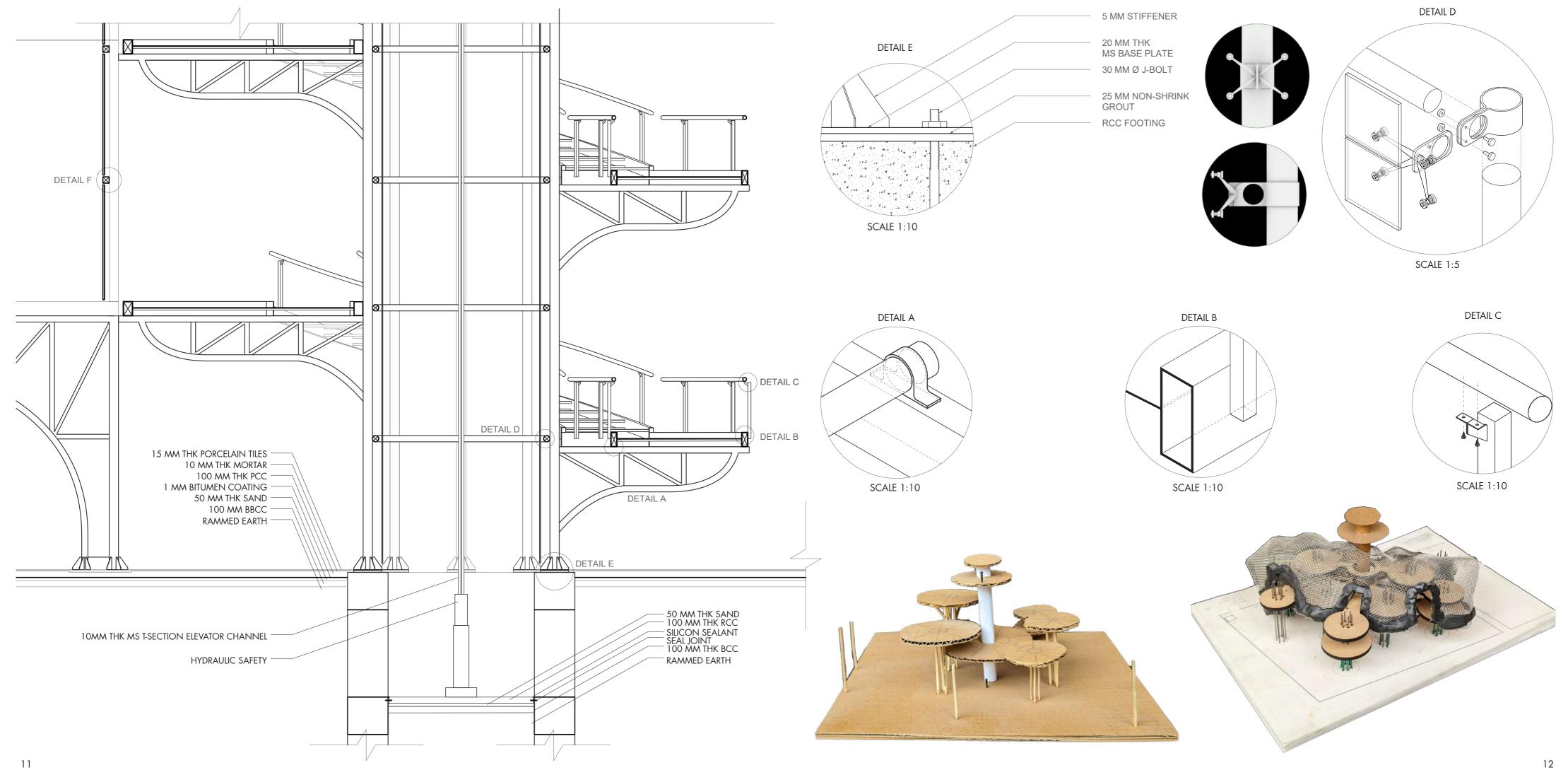
Bird-watching tower

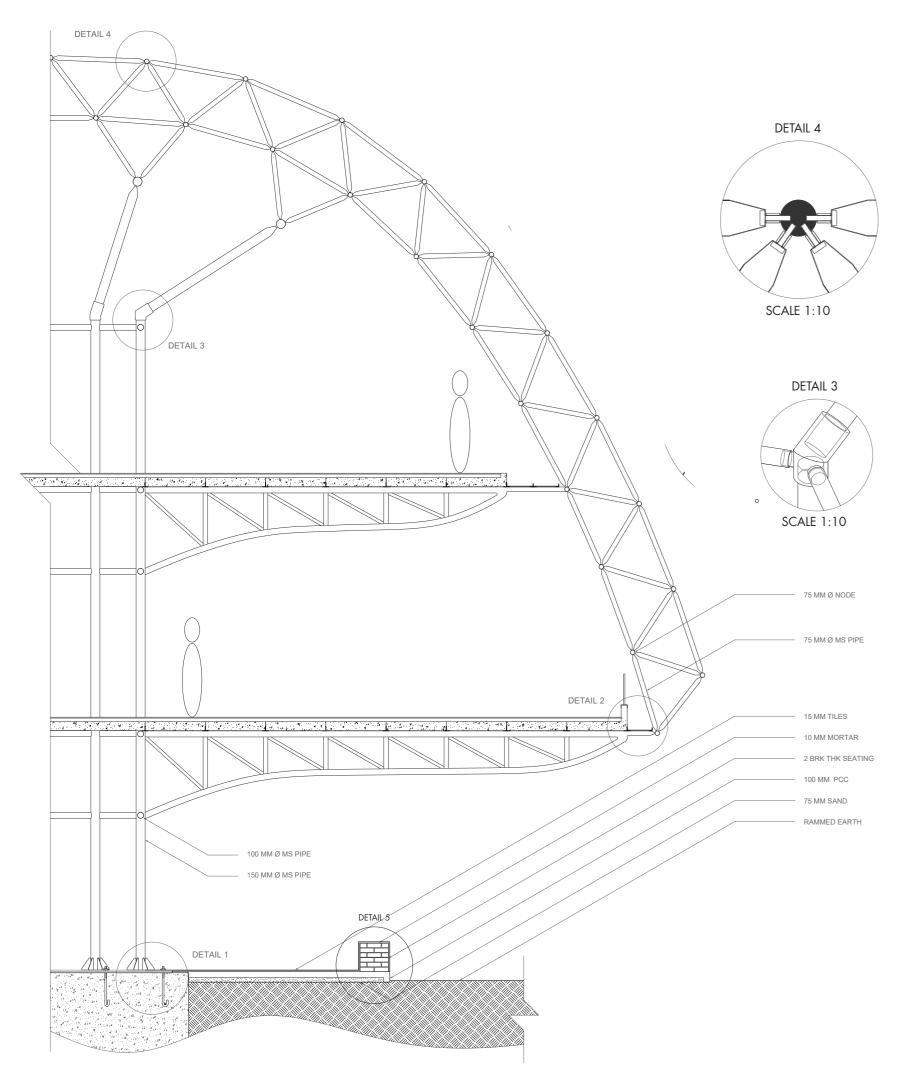


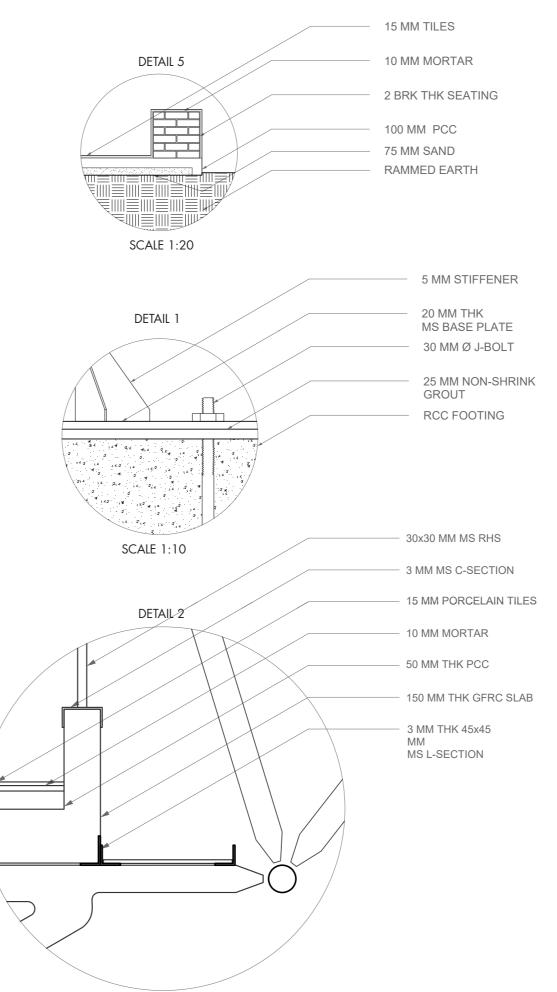












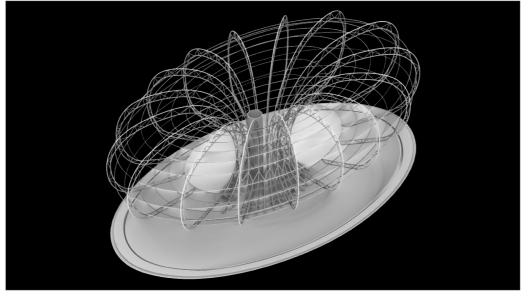
SCALE 1:10





Isometric Bird's Eye View Structural Isometric View





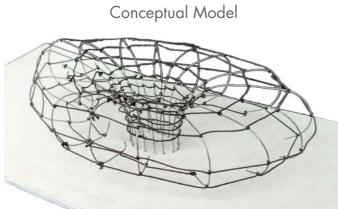




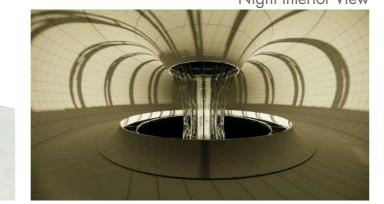


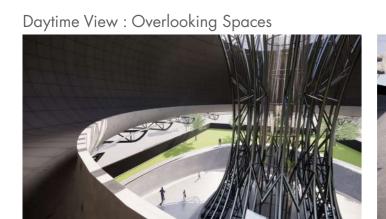






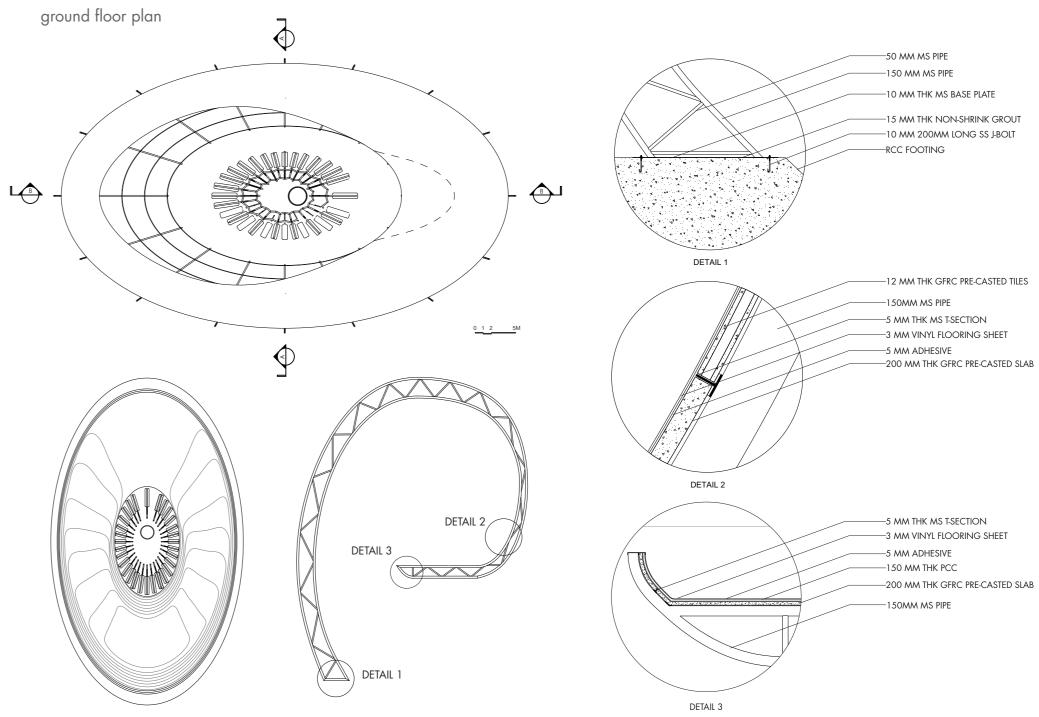












Inquisite : a Makerspace

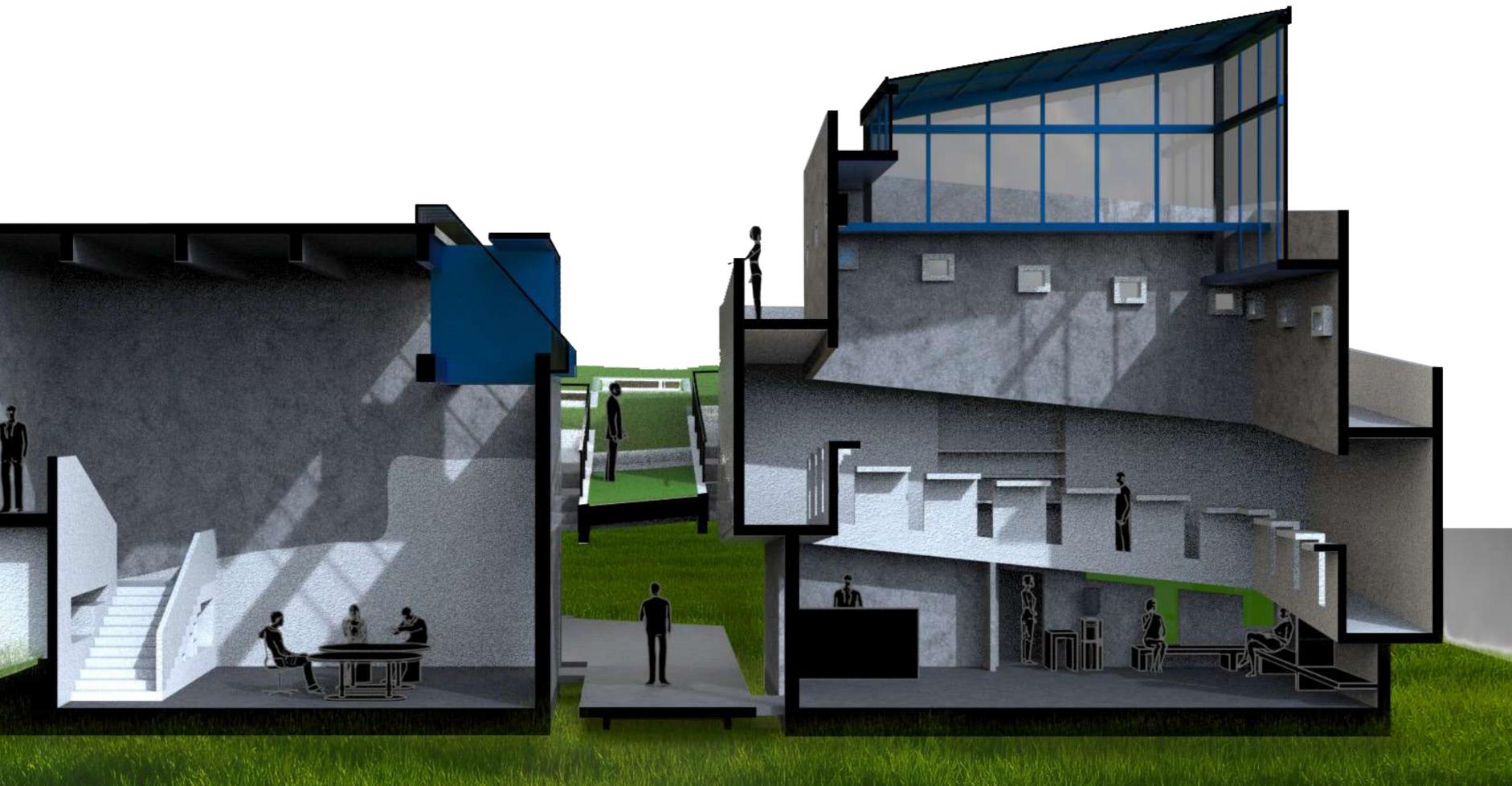
Studio : Objects to Worlds

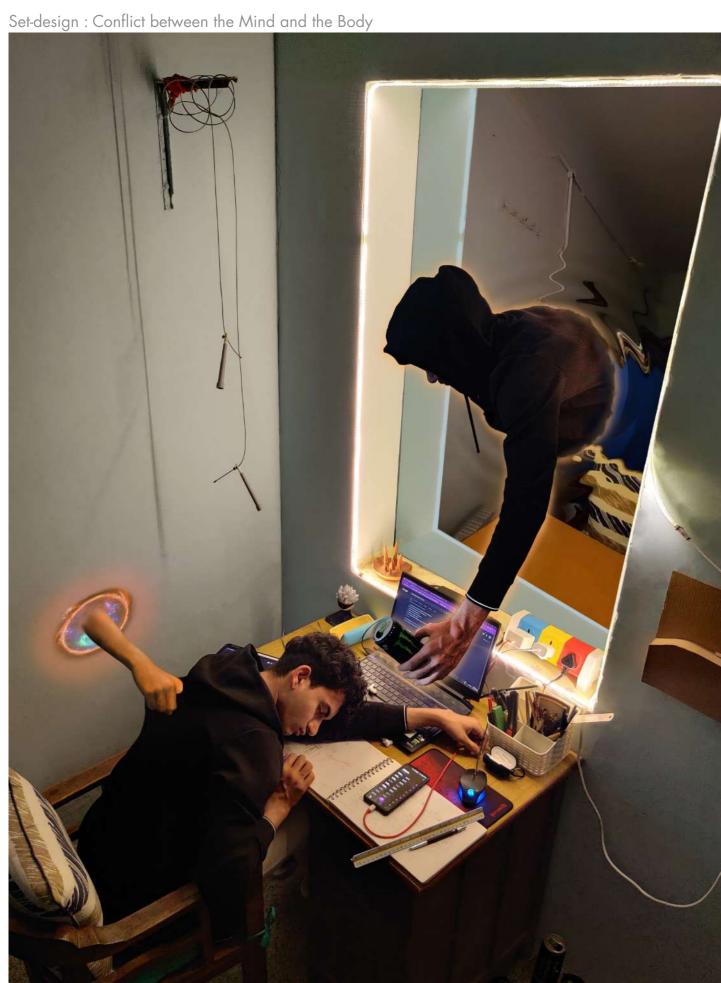
Tutor : Subin Jameel and Tushar Rajkumar

Semester: 4th | Spring 23

Inquisite, a workspace where multiple parts come together to form a (in)coherent whole. The individual parts cater to different type of work like laptop work, a clay workshop, a wood workshop, etc. It is the campus that is meaningful not the individual blocks that are scattered all over the site alongside a parasytic undulated ground that bridges the blocks together.

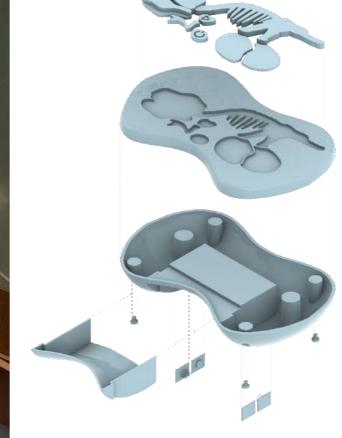
The Concept was derived from a series of exercises where an object was taken, studied, abstracted. The physical characteristics were extracted from the object and the abstract "Host-Parasite Model" and taken forward to design the project. The Host - Parasite model led to the chamfers, flat and deceiving facades, geometries inserted into one another.

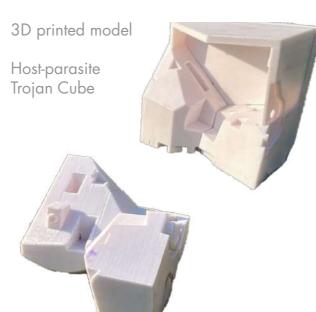




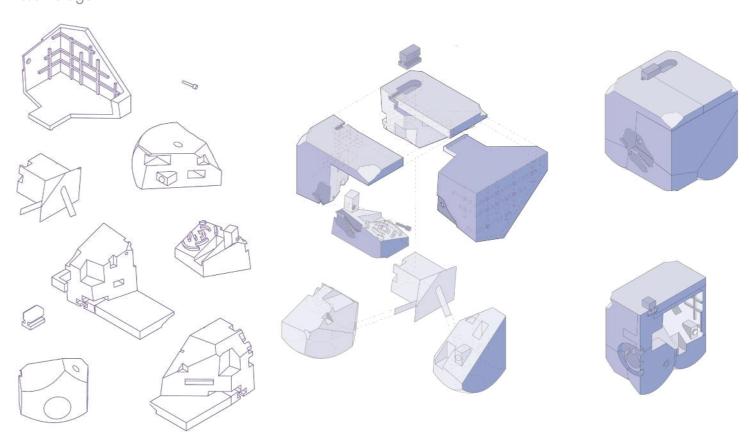
The Object : Remote Controller



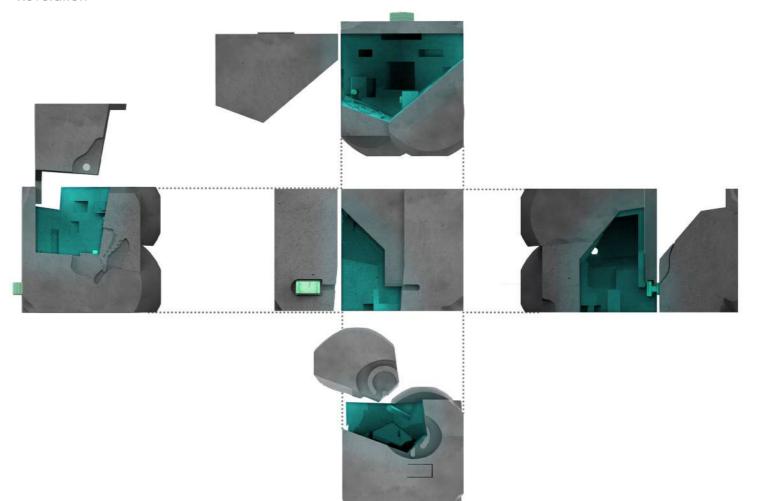




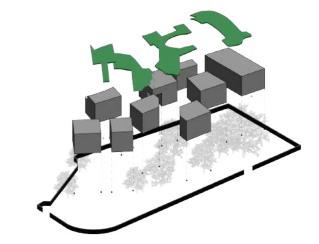
Assemblage

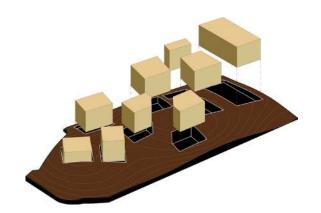


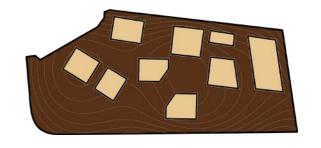












The Set-Design exercise was used to potray a workspace and understand the problems and requirements. A narrative was built and a set was designed according to it.

The most iconic element of the project: The undulated ground is directly derived from the object (The remote). Here the buttons become the buildings and the textured brown surface becomes the bridging undulated ground.

The Host-Parasite model was named a "Trojan Cube" for having a plain exterior and interesting interiors.





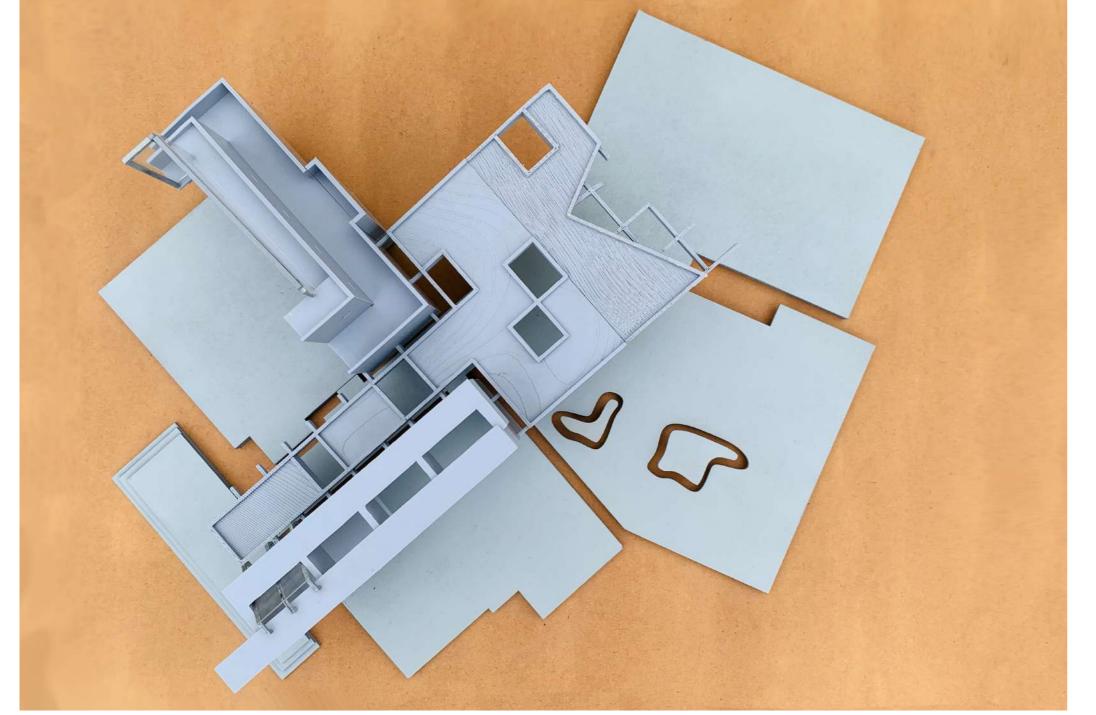


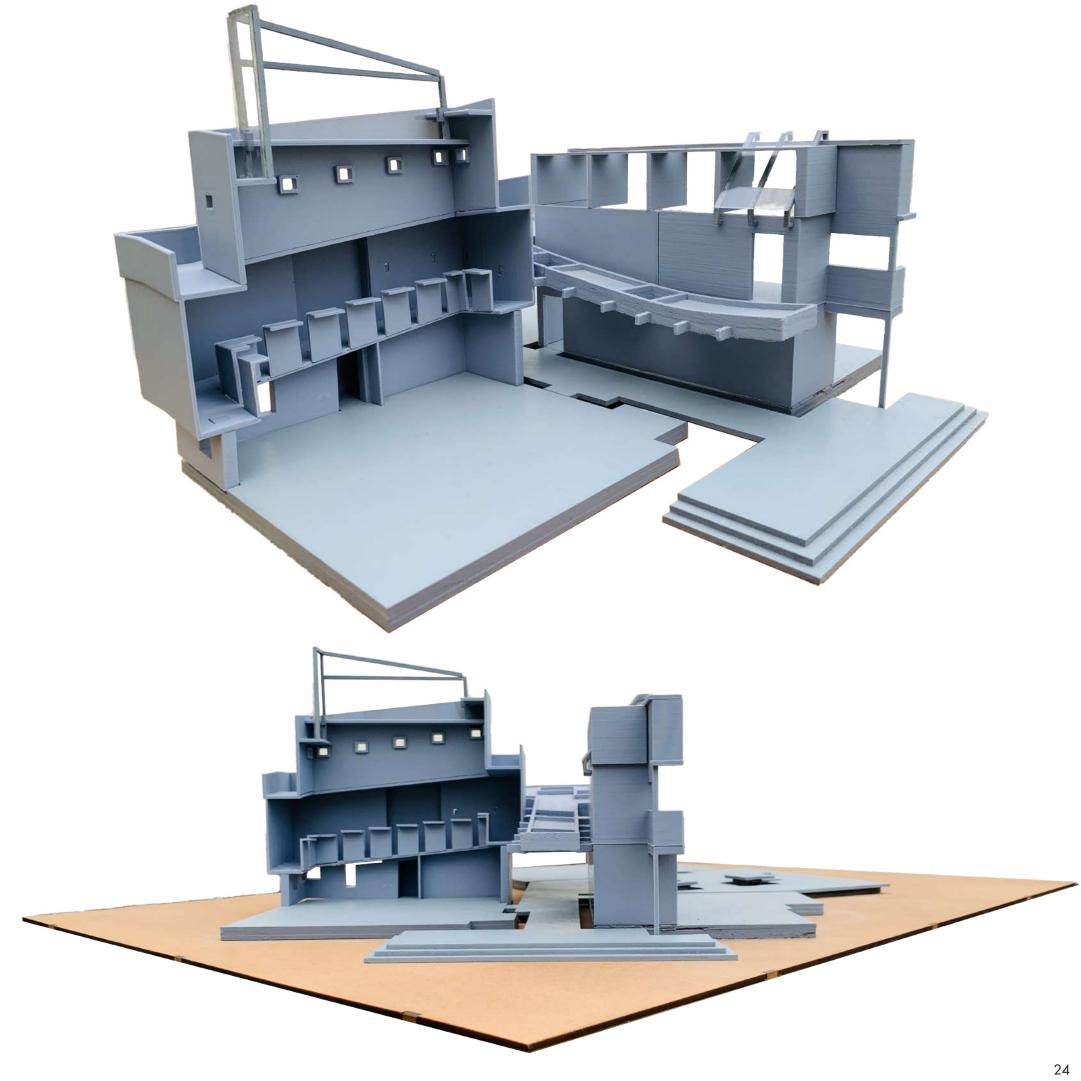












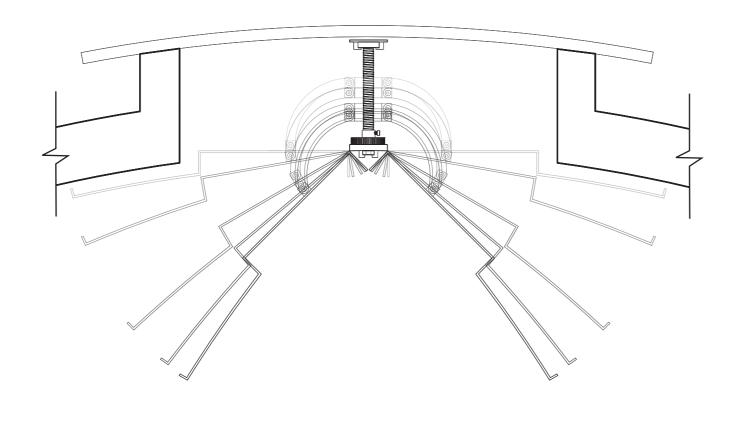
The Glory Days : A Place to Indulge

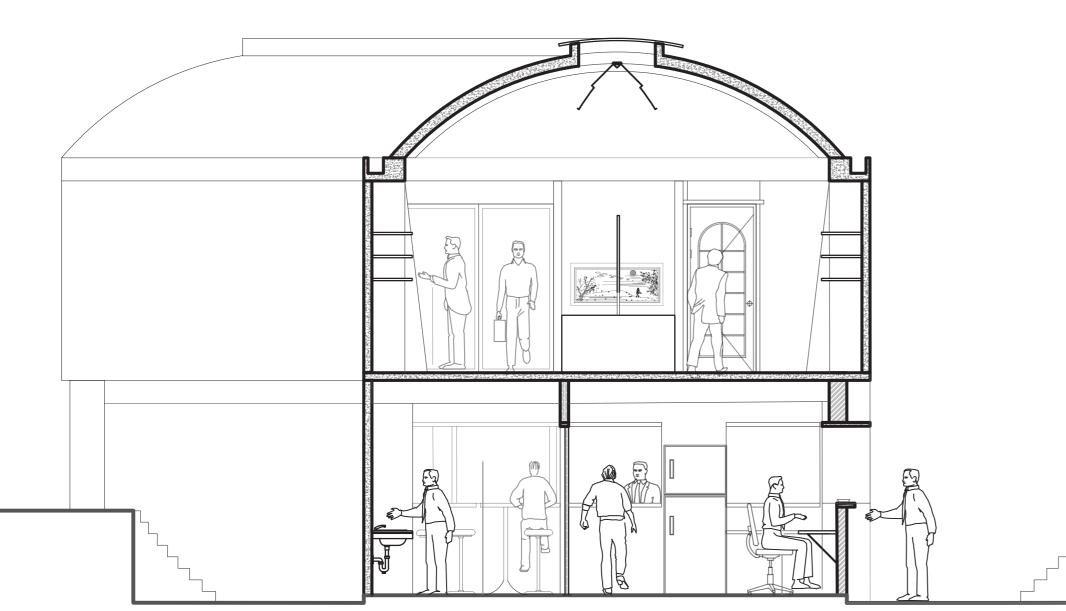
Studio : Space Kinematics

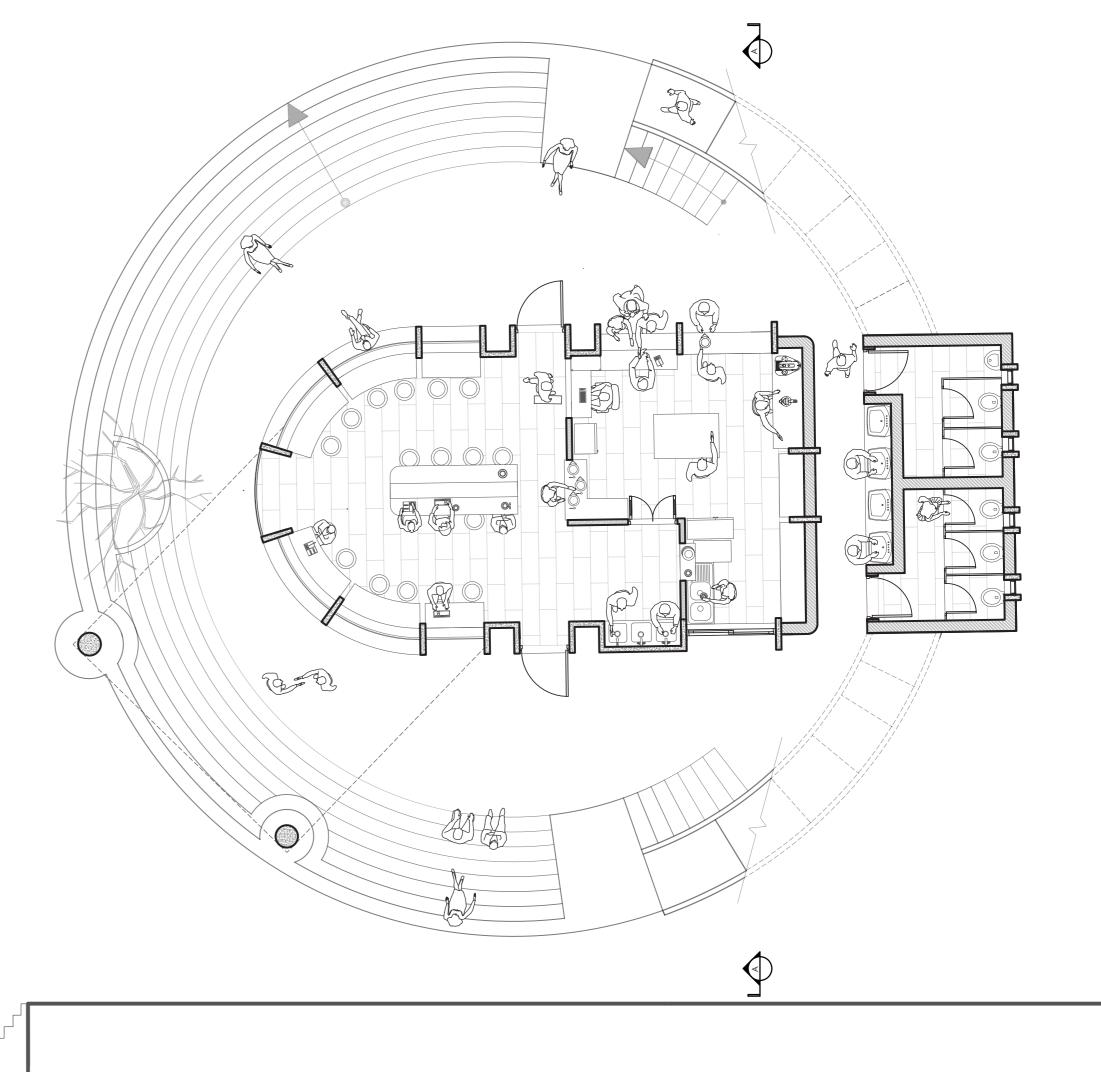
Tutor : Anuj Anjaria and Muntaha Rushnaiwala

Semester: 3th | Monsoon 22

The Glory Days, a project designed to replace a block of NID, Ahmedabad, consists of 3 spaces: NIDUS (NID student souvenir store), cafe and the exhibition space. The project provides a place to indulge amongst the students and also with the visitors who might be interested in the works. As the Exhibition space and the NIDUS requires a space with least distraction, natural light is taken through a kinetic skylight. The sunlight enters through the central skylight strip and washes over the smooth concrete vault. A lead screw mechanism is used for the movement of the kinetic element. The other important element is the plinth where the cafe is located providing both indoor and outdoor space to sit around, savour the flavours and meet people.





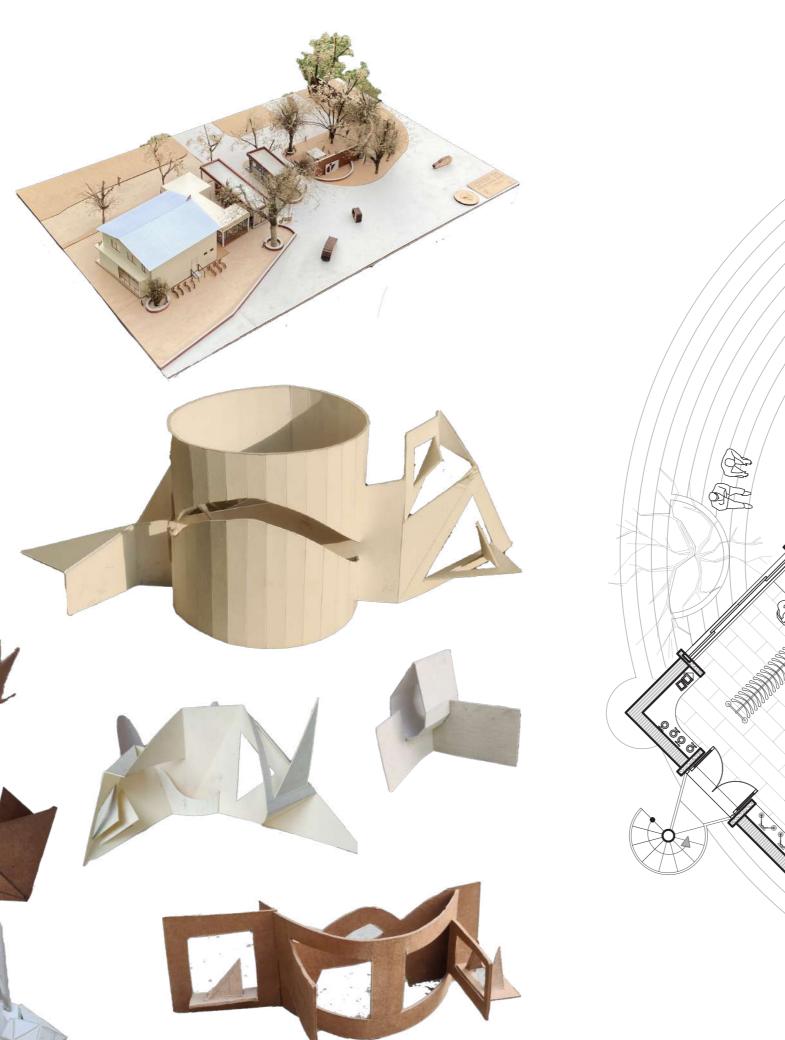


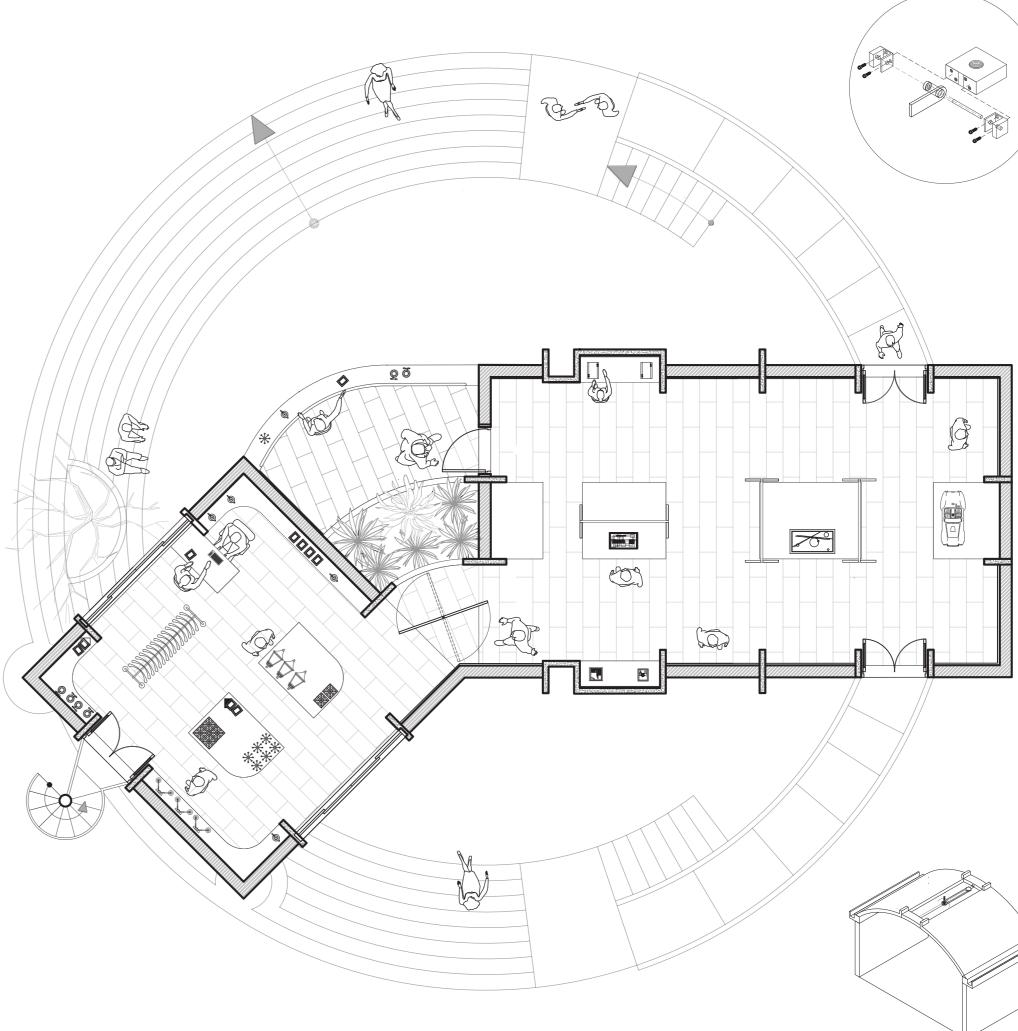


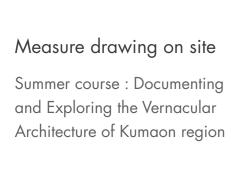
The design process consisted of the Musicscape exercise where we were given a genre and an element and a song was chosen according to it.

Song: The Glory Days Genre: Jazz Element: Fire

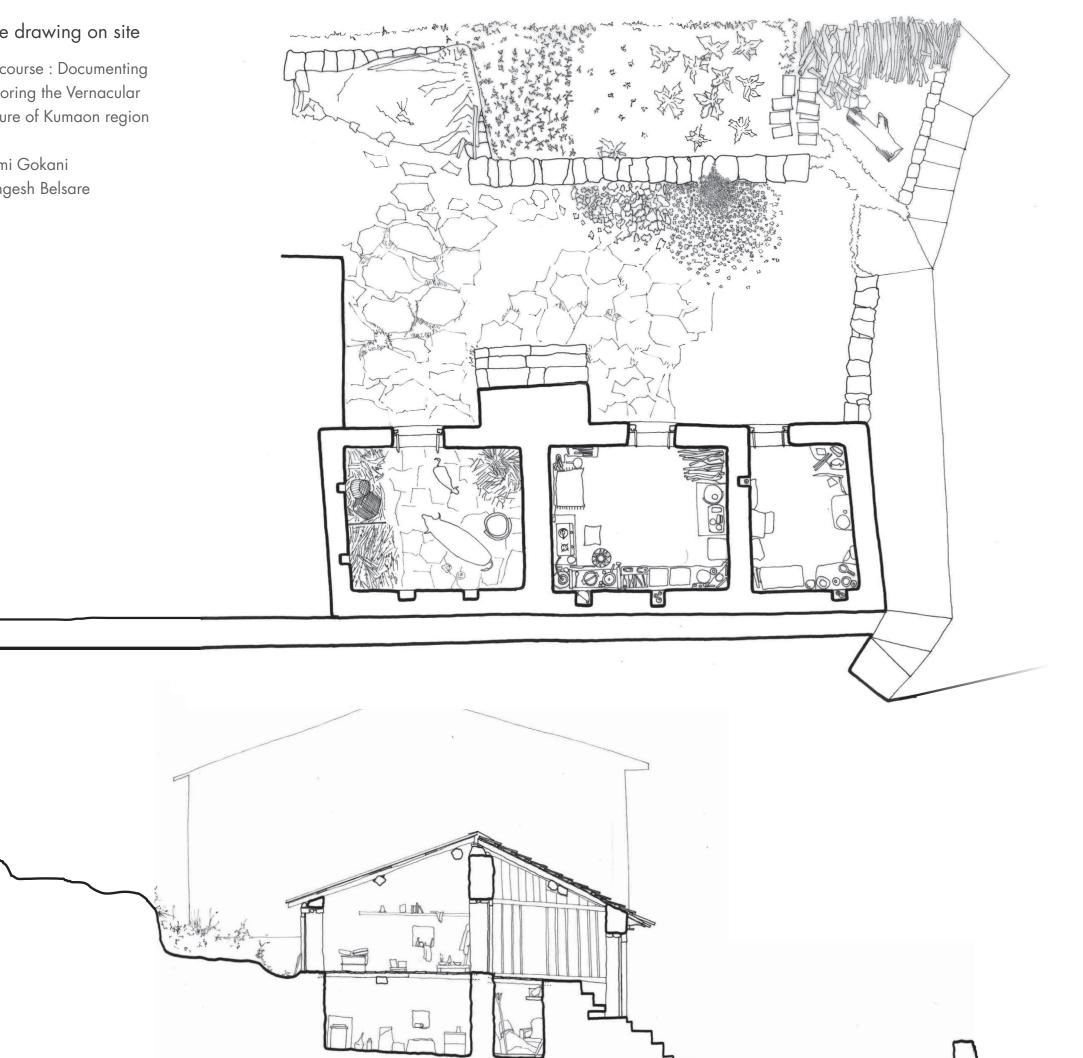
The song was analyzed and translated into a physical model which went through a series of refinement. The final outcome came out to a juxtaposition of contrasting geometries: Round/smooth and sharp/edgy. This was translated into a circular plinth contrasted by 2 rectangular masses resting over the plinth.

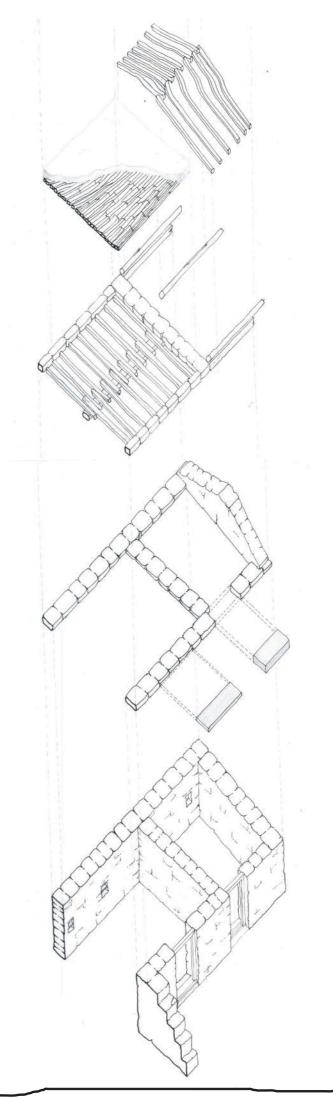


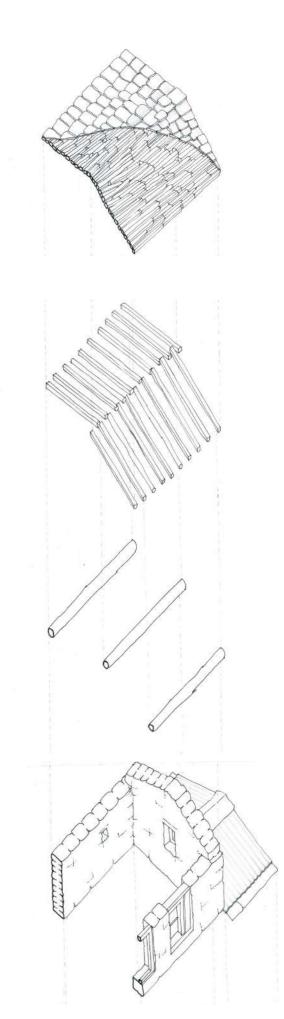


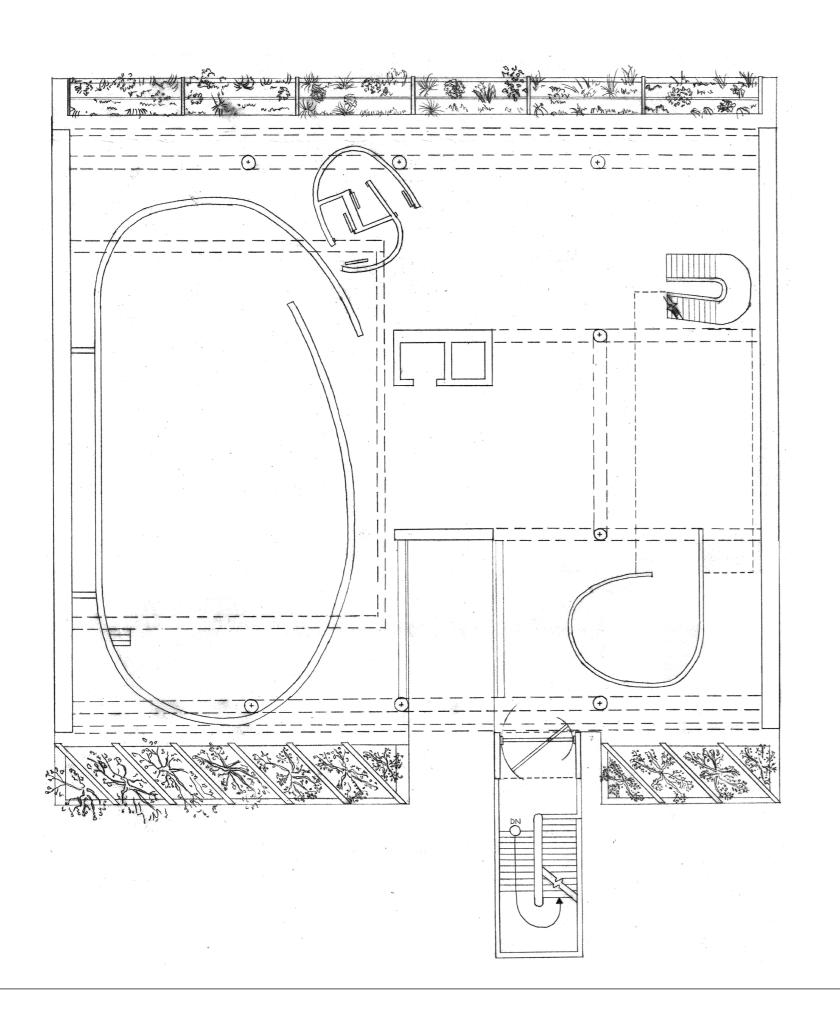


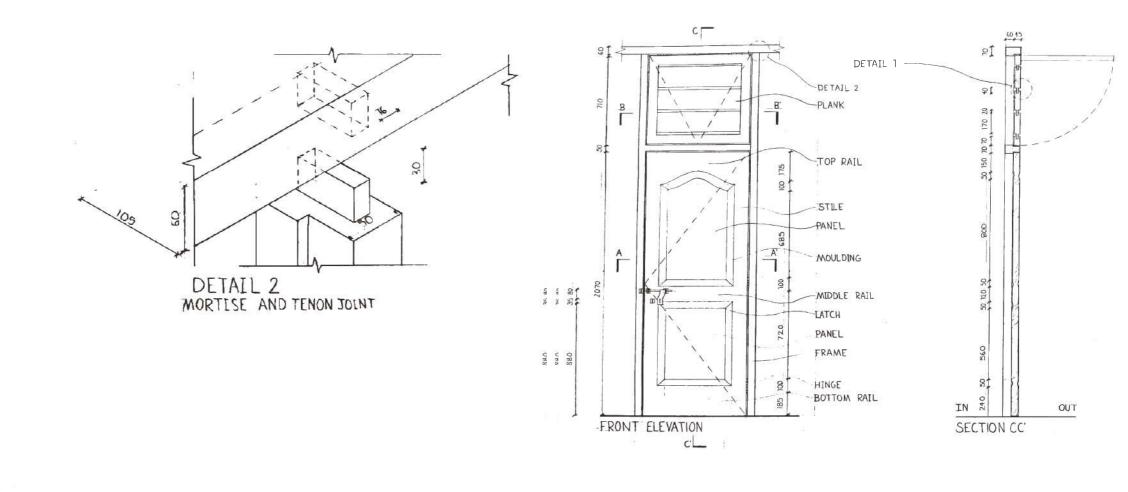
Tutor : Ami Gokani and Mangesh Belsare

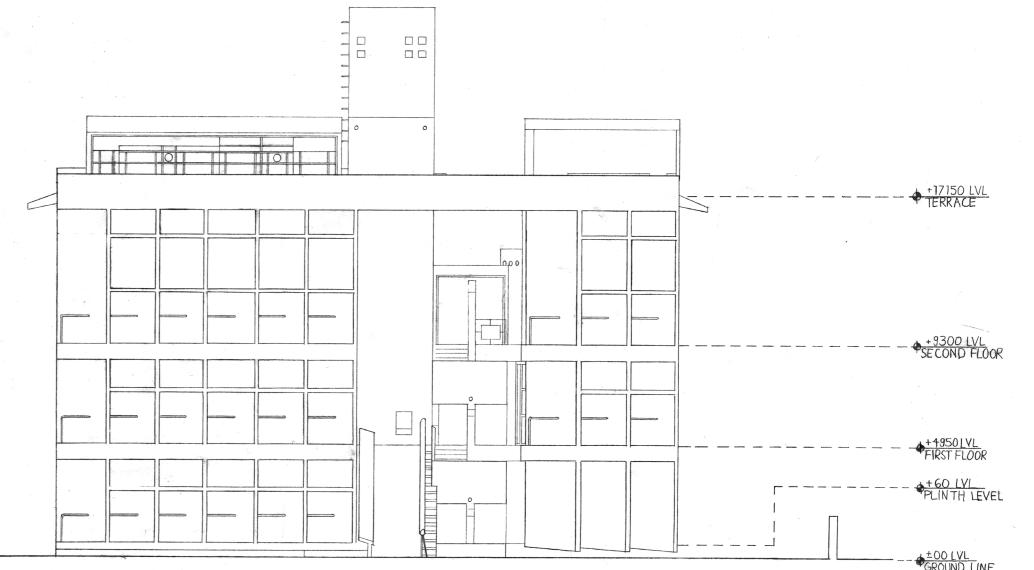


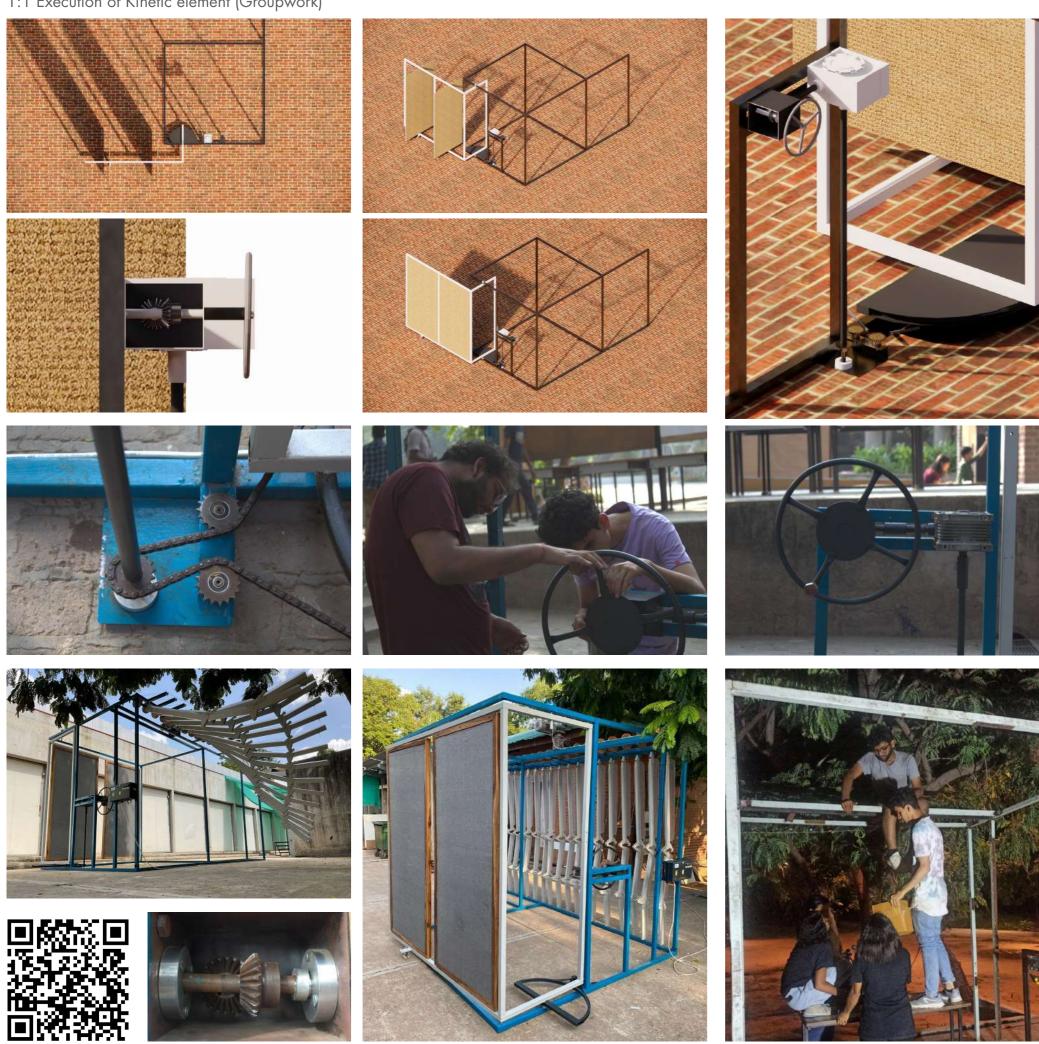




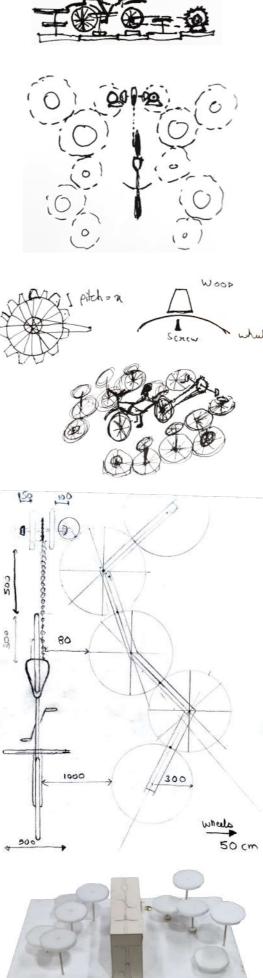




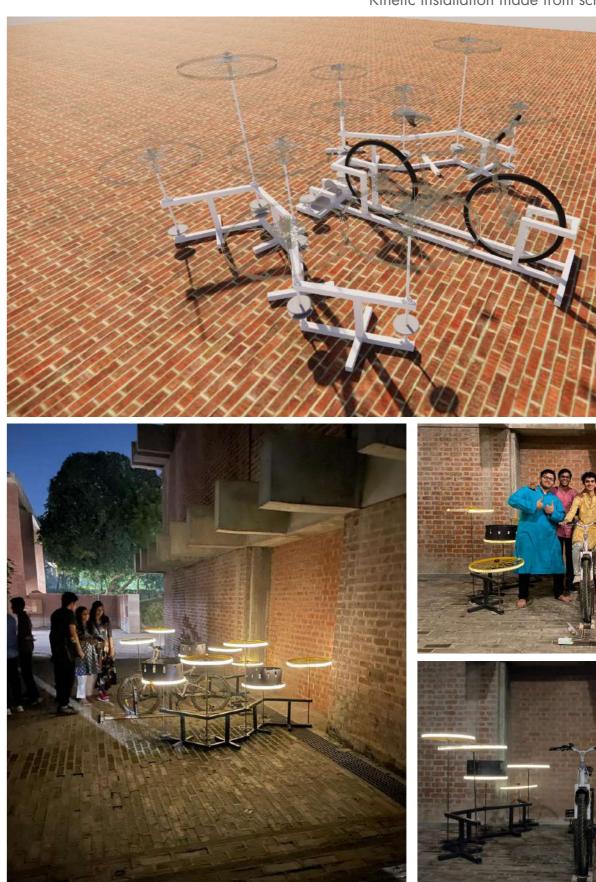




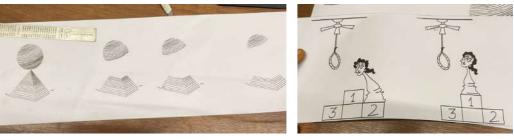












Sankalan workshop by Hunnarshaala



















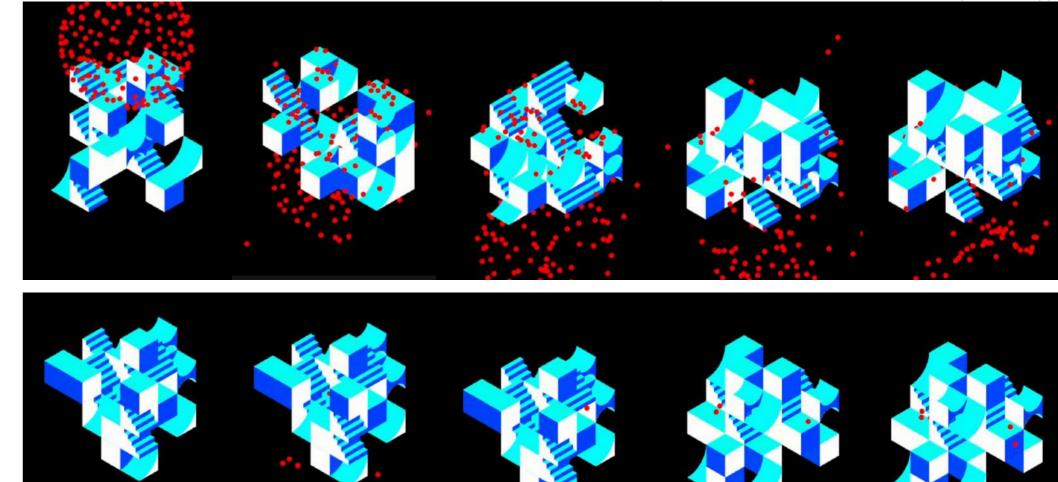




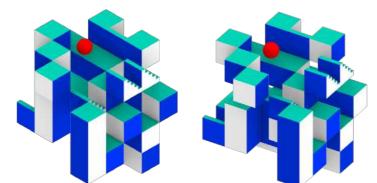






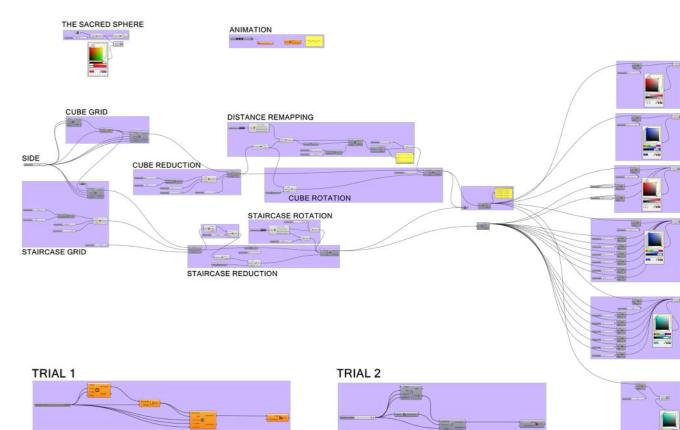


Based on MC Escher's Impossible geometries, the code creates infinite amount of iterations that gives an illusion of numerous faces to appear on one plane when they're not.





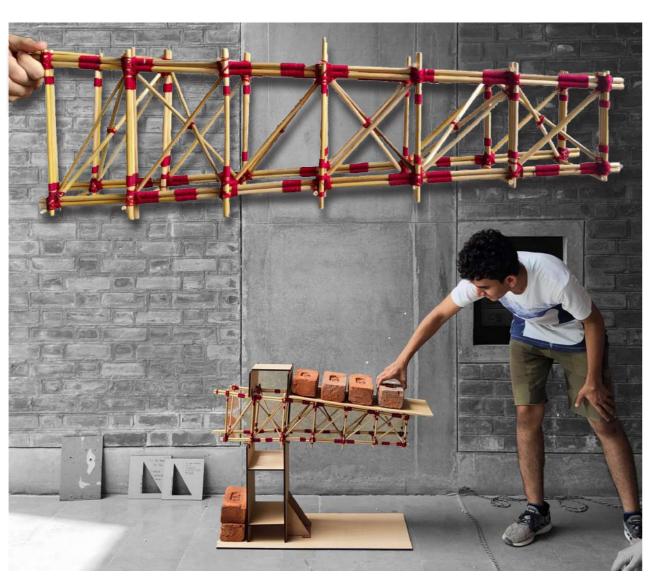
Scan to watch the final output animation on youtube











Structural Analyses through reed sticks















Learning Lab for an Office Building

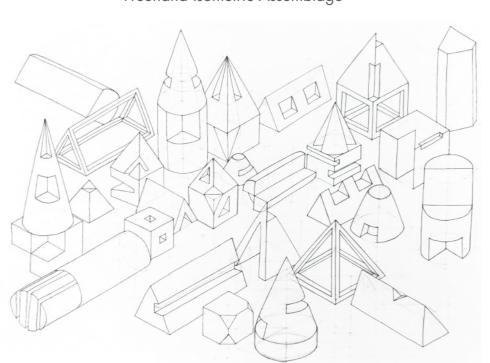
Pencil lead carving



Material exploration through 300 x 300 MM Cube



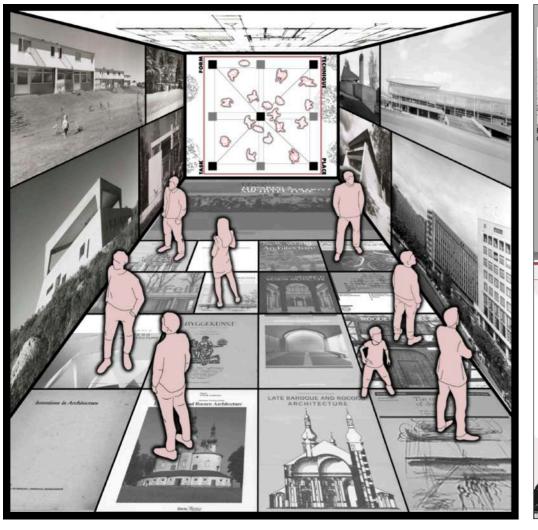
Freehand Isometric Assemblage



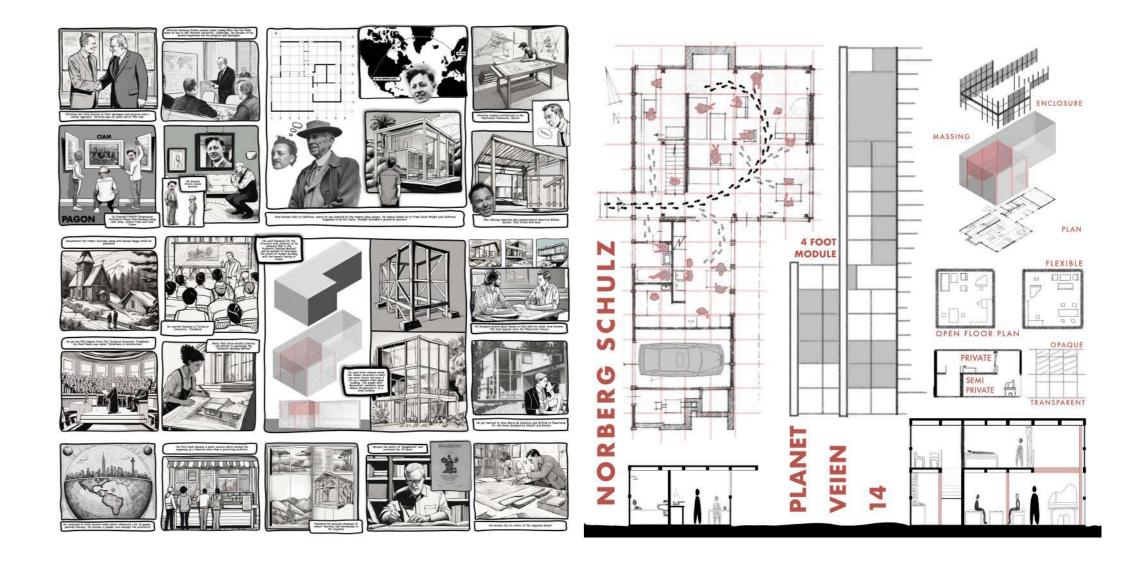
Material Exploration through 300 x 300 MM Cube



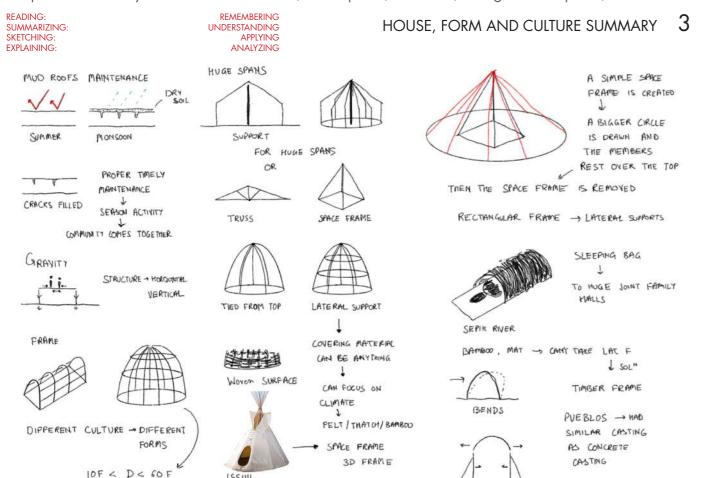
Illustrations

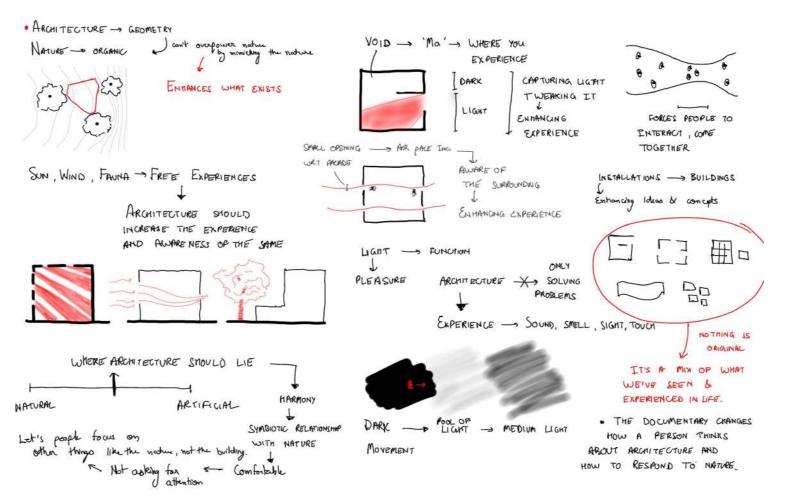


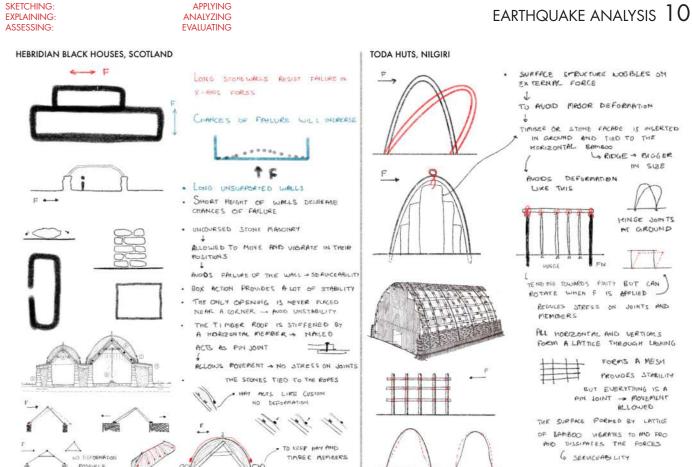




Graphical Summary: Vernacular Structures, Earthquake, Structure, Design Philosophies, etc.









Sprout Out Loud: Sapling Propagation Leftorage: Storage for Leftover Materials The PET Project: Re-purposing PET Bottles

