

2018-2022

ARCHITECTURE

# PORTFOLIO

*Bhavya Garg*



BHAVYA GARG

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Plot No. 338, Phase 1, Industrial Area,  
Panchkula, Haryana, India

PERSONAL STATEMENT

Hi, I am Bhavya Garg a 9th semester student at Chandigarh College of Architecture, seeking the position of an intern architect. I believe architecture is connection between space and the occupants, making it the perfect combination of pragmatism and poetics, math and art, engineering and design. The following is the compilation of projects that reflect my ideas, passion and appreciation for architecture. I hope to contribute the same to your firm.

EDUCATION

Carmel Convent School, Chandigarh  
Graduated 10th grade | 2004 - 2016

Carmel Convent School, Chandigarh  
Graduated 12th grade | 2016 - 2018

Chandigarh College Of Architecture  
Pursuing B.Arch, 9th Sem | 2018 - present

COMPETENCE

SOFTWARES

2D and 3D Modelling	Graphics, Animation, Rendering
<ul style="list-style-type: none"><li>Autodesk AutoCAD</li><li>Autodesk Revit</li><li>Autodesk 3DS Max</li><li>Rhinoceros</li><li>ArchiCAD</li><li>Sketchup</li><li>MS Office</li></ul>	<ul style="list-style-type: none"><li>Adobe Photoshop</li><li>Adobe Illustrator</li><li>Adobe Premiere Pro</li><li>Adobe Indesign</li><li>Lumion</li><li>Twinmotion</li><li>Vray</li></ul>

OTHERS

<ul style="list-style-type: none"><li>Construction Drawings</li><li>3d Modelling/Rendering</li><li>Presentation Drawings</li><li>Model Making</li></ul>	<ul style="list-style-type: none"><li>Graphic Designing</li><li>Laser Cutting</li><li>Hand Drafting</li><li>Documentation</li></ul>
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LANGUAGES

English  
Hindi  
Punjabi

INTERESTS

Cooking  
Sketching  
Photography

Travelling  
Hiking  
Music

ACHIEVEMENTS | EXPERIENCES

ANDC Competiton (NASA) | 2019  
Shortlisted top 50

Architectural Internship | Planners Group | 2020  
Worked under Ar. Vikram Malik

Freelance Architect | 2018 - Present  
Architectural Consultation, Designer, Interior Designing

PRESIDENT | 2021 - 2022  
Chandigarh College of Architecture, Chandigarh

REFERENCES

<p>Dr. Sangeeta Bagga Mehta Principal Chandigarh College of Architecture +91-9779123457 cca-chd@nic.in</p>	<p>Prof. Sujay Sengupta Dean of Academics Chandigarh College of Architecture +91-9855447530 sg.sujay@gmail.com</p>
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STUDIO PROJECTS

2018

- Bus Stop | Individual
- Kiosk Design | Individual
- Cafe design | Group of 2

2019

- Residence | Individual
- Dispensary | Individual
- Clubhouse | Individual
- Youth Hostel | Individual
- PEC Market | Individual
- Kindergarten | Group of 2

COMPETITIONS

2020

- Office Complex | Individual
- Residential School | Individual
- Vernacular Design | Individual

2021

- Hill Housing | Individual
- General Hospital | Group of 3
- Convention Centre | Group of 3

2022

- Multi - Storied Housing | Individual
- Urban Design | Group of 7
- Thesis (ongoing)

WORKSHOP | SEMINAR |  
INSTALLATIONS |  
EXHIBITIONS

2018

- Brick Masonary Workshop
- Wood Joinery Workshop
- Blues LC'18 | Stage Design |

2019

- NASA | DesTech Challenge | Group Head
- ANDC (Annual NASA Design Competition) Shortlisted - top 50 Group Member
- Lightning Workshop
- Mural Design Installation | ARCHO |
- Royal Institute of British Architects (RIBA)

2020

- HUDCO Group Member
- SWITCH | Unschool Copenhagen | Group head
- ARCHASM | Home : Design your Dream Group Head
- Material Technology Workshop
- Skill India Lecture on Landscaping
- Form follows Light | Ar. Purnesh Dev Nikhanj |

2021

- 120 Hours Competition Group head
- Grain and Texture in Urban Design
- Sustainable Design Approach | Ar. Siddhartha Wig |
- Life Beyond Tourism | Exhibition |

2022

- LIFE BEYOND TOURISM, Florence Group head
- Design Installation | ARCHO |
- Photography Workshop | Art of Arch | | Ar. Rajnish Wattas |
- Indian Green Building Council
- Azadi ka Amrit Mahotsav | Exhibition |

# CONTENTS

01 | 2019

IN-BETWEEN  
YOUTH HOSTEL

Studio Project  
Individual

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02 | 2020

OFFICE COMPLEX

Studio Project  
Individual

PAGE NO. 9-16

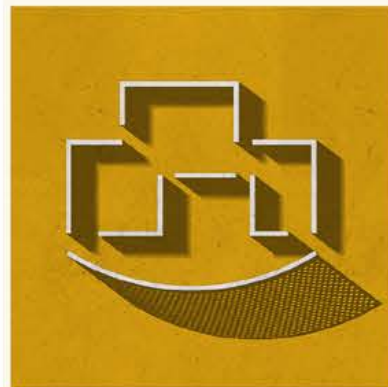


03 | 2021

GENERAL HOSPITAL

Studio Project  
Group of 3

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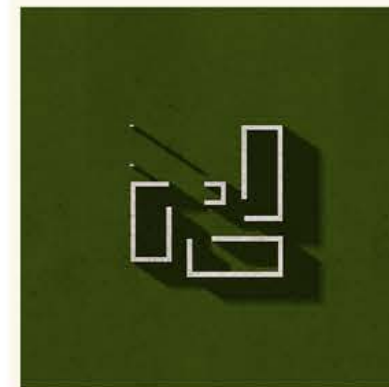


04 | 2022

HIGHER GROUND  
MULTI - STORIED  
HOUSING

Studio Project  
Individual

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05 |

PROFESSIONAL  
PROJECT

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06 |

MISCELLANEOUS

Sketching |  
Photography |  
Freelance Work |  
Model Making |

PAGE NO. 45-52







# 01 | IN-BETWEEN | YOUTH HOSTEL

[ Location ] SECTOR 11, CHANDIGARH  
[ Area ] 7044.84 Sqm [1.74 Acres]

[ Academic ] | July 2019 - September 2019 | Semester - 3 |  
| Individual Studio Project |

[ Software ] AutoCAD\_\_Revit\_\_Photoshop\_\_Lumion



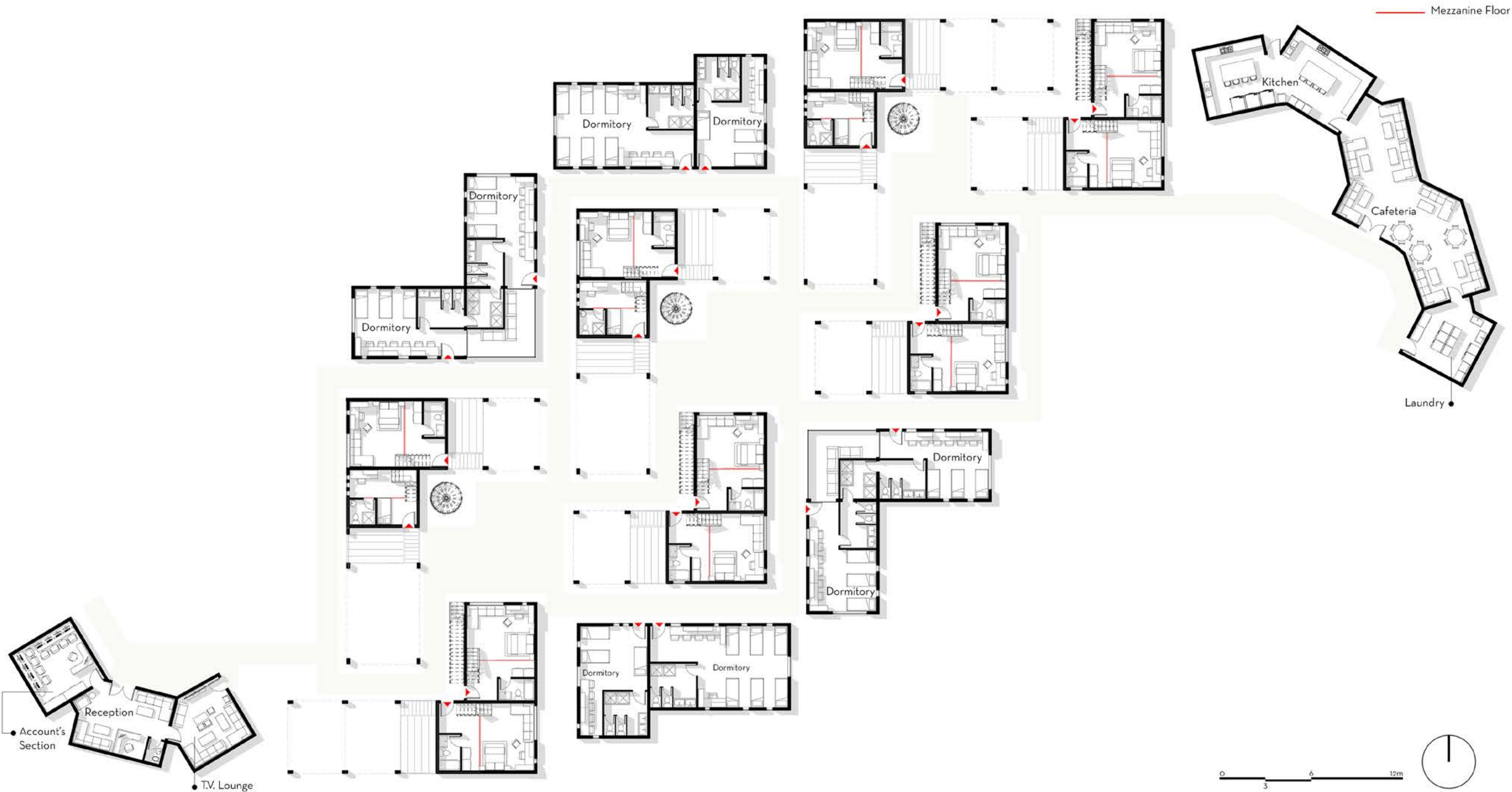




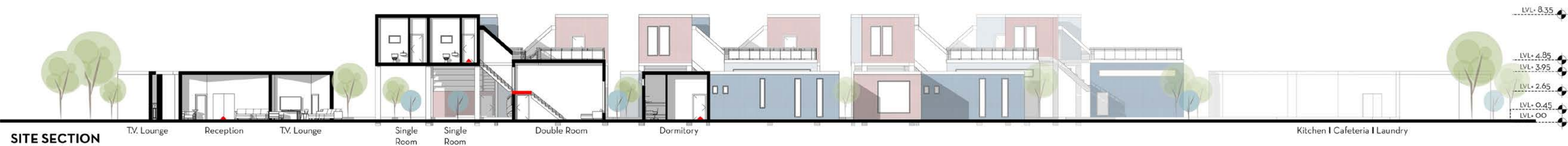
The idea behind the conception of the youth hostel was to provide accommodation with multiple elements of interest so that the students could have new experiences and stimulate curiosity to explore new horizons in life.

The concept was to create a series of overlapping programs with blurred boundaries of what one presupposes as **‘Living’ alternating between working and socializing within the landscape spaces.** The functional overlap means a spot used for living which can also be used for informal activities redefining the traditional meaning of hostels. Open spaces with an almost industrial tone, geometrically divided into sections, constitute a prospect to live-work and create in the same place; they are flexible and sometimes open to the public.

**Wrapped around these modules is a green zone serving as courtyards with outdoor seating and plants.** The spaces, through the selective use of materials, manage to invoke a **sense of belongingness within the users, and at the same time provide a pleasant meeting place for social interactions.** Therefore the structure had to be minimal intervention on the surface that would not hinder the vision but create a mystery in one’s mind.



GROUND FLOOR PLAN



SITE SECTION

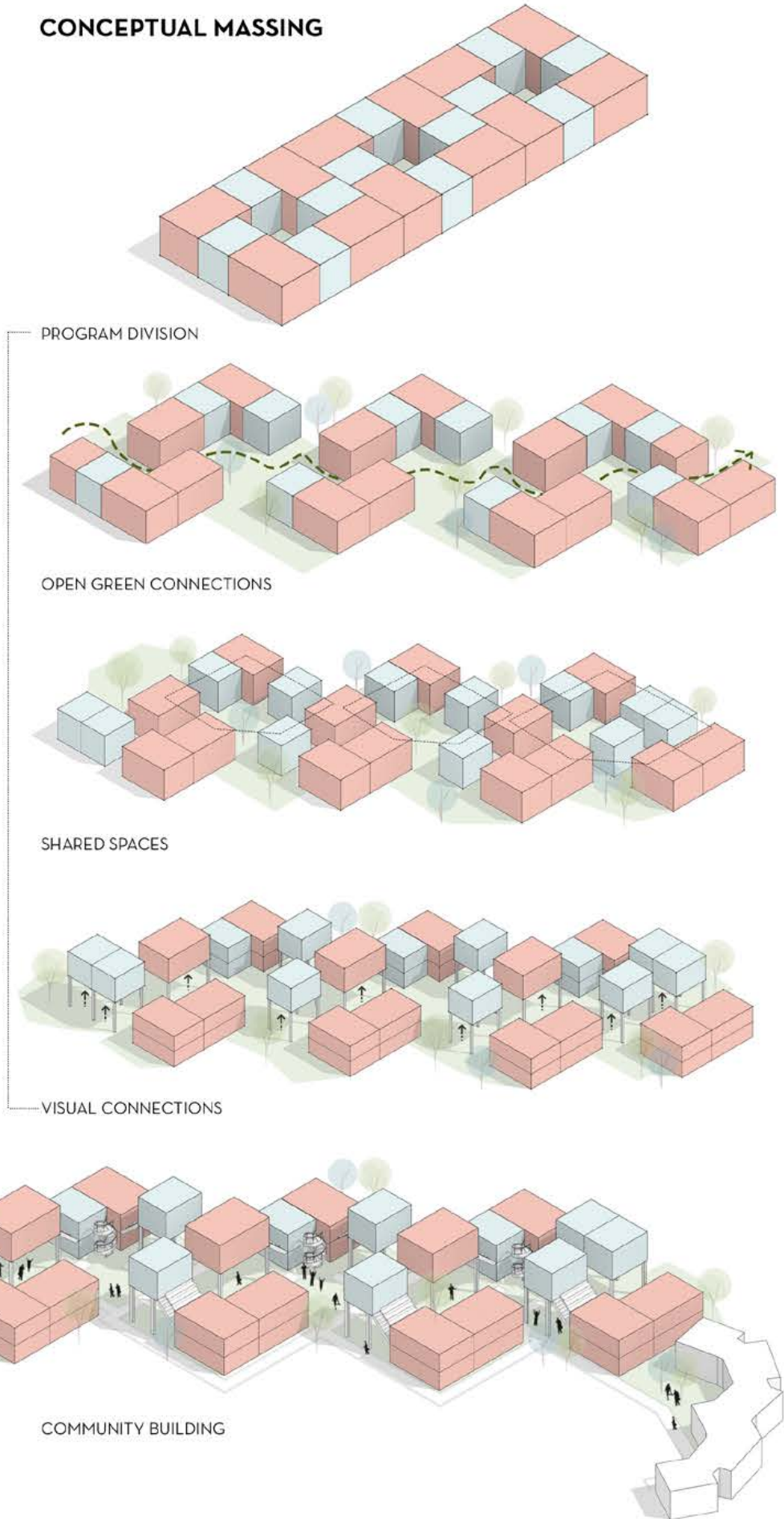


The interesting play of designs begins right in front of the entrance of the room, which is a vast double-height space with different seating spaces, treated as working zones. Taking over the corridor that used to be human circulation for the unit area was the first idea. This **idea makes the stair become the only horizontal and also vertical circulation between every unit.**

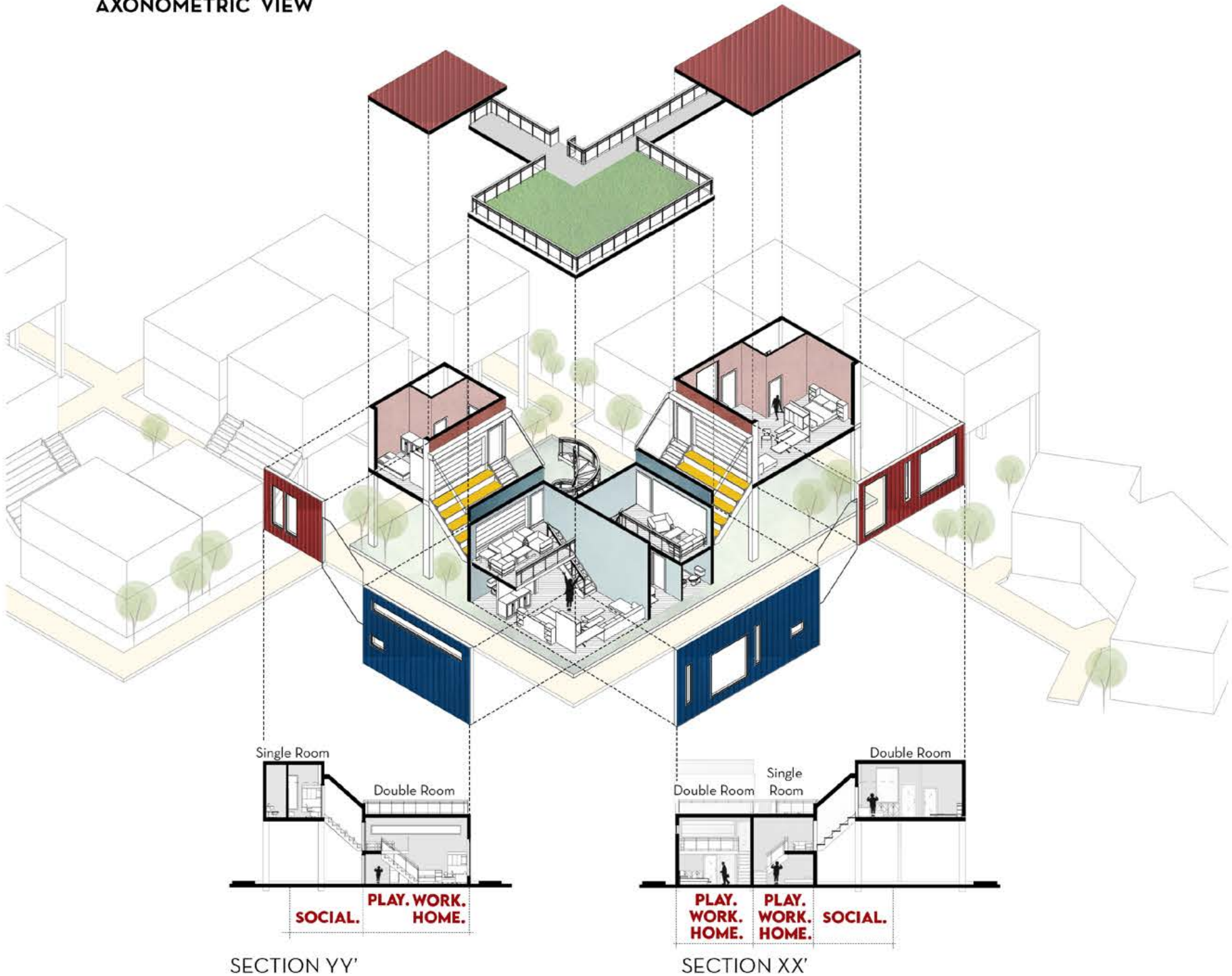
Above the entrance is an elevated seating area in the form of a mezzanine. This is the main seating area that spills onto another seating area in form of a staircase on the other side-parted by a shutter. These **sitting steps act as a social space for the residents and a vertical connecting passage between the two units.** This circulation system becomes the architecture statement for this design typology. Achieving this helped in increasing floor areas vertically which is effective for land effectiveness.

The concept was also to bring functionality into the vibrant design which was translated into reality using different homogeneous materials and innovative design solutions. In keeping with the **Industrial theme, the base material is chosen to be exposed concrete topped with Red/ Blue colored metal and Glass/ Aluminium partitions between spaces.**

CONCEPTUAL MASSING

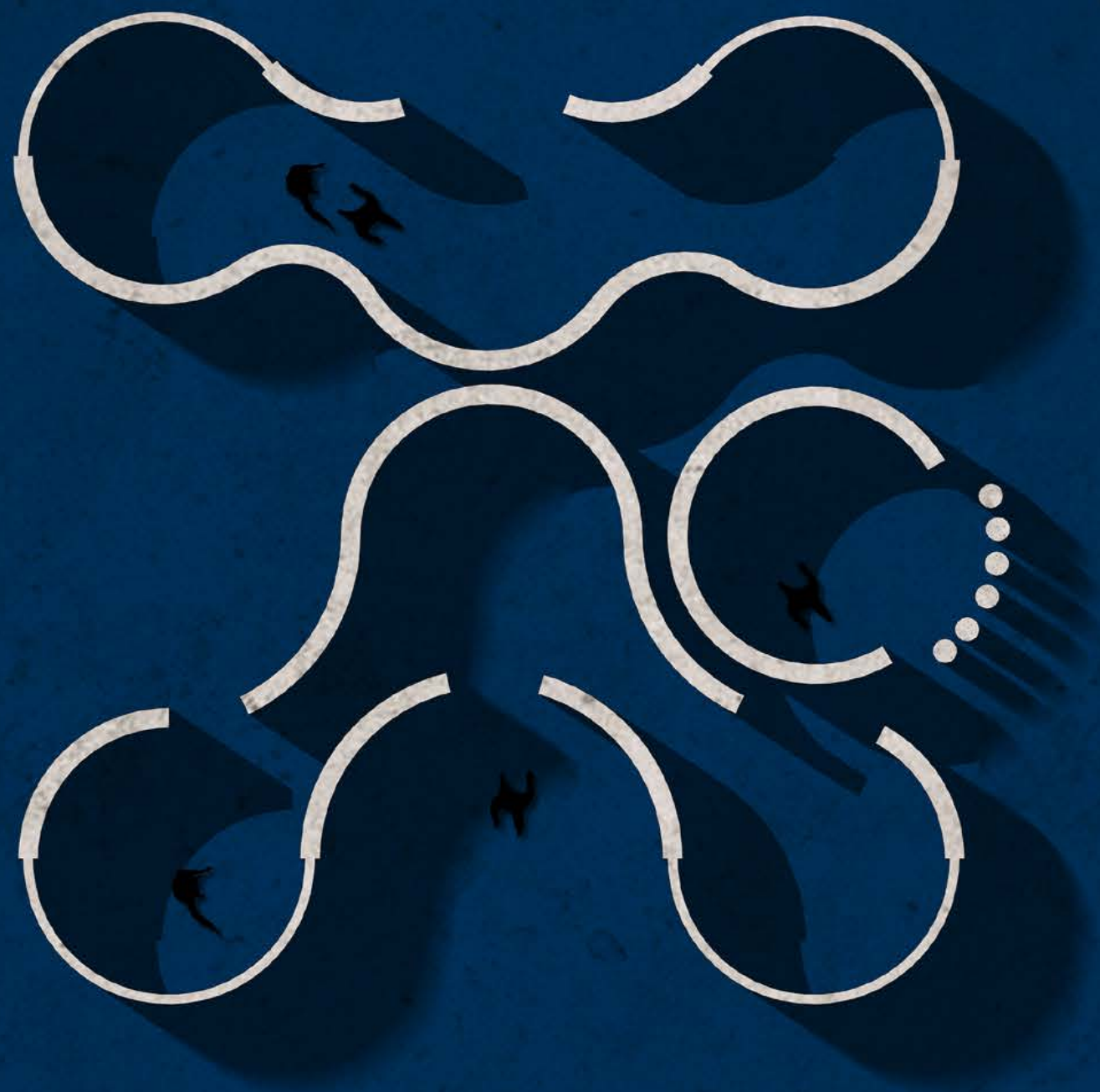


AXONOMETRIC VIEW



MATERIAL PALLETTE





## 02 OFFICE COMPLEX

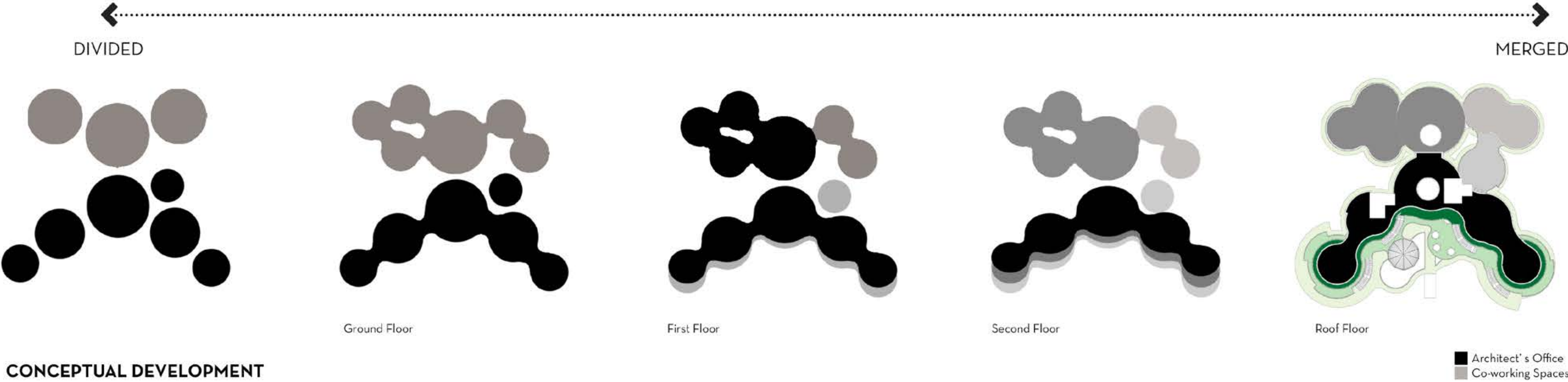
[ Location ]	I.T. PARK, CHANDIGARH
[ Area ]	108000 Sqm [2.7 Acres]
[ Academic ]	January 2020 - March 2020   Semester - 4     Individual Studio Project
[ Software ]	AutoCAD__Revit__Photoshop__Lumion



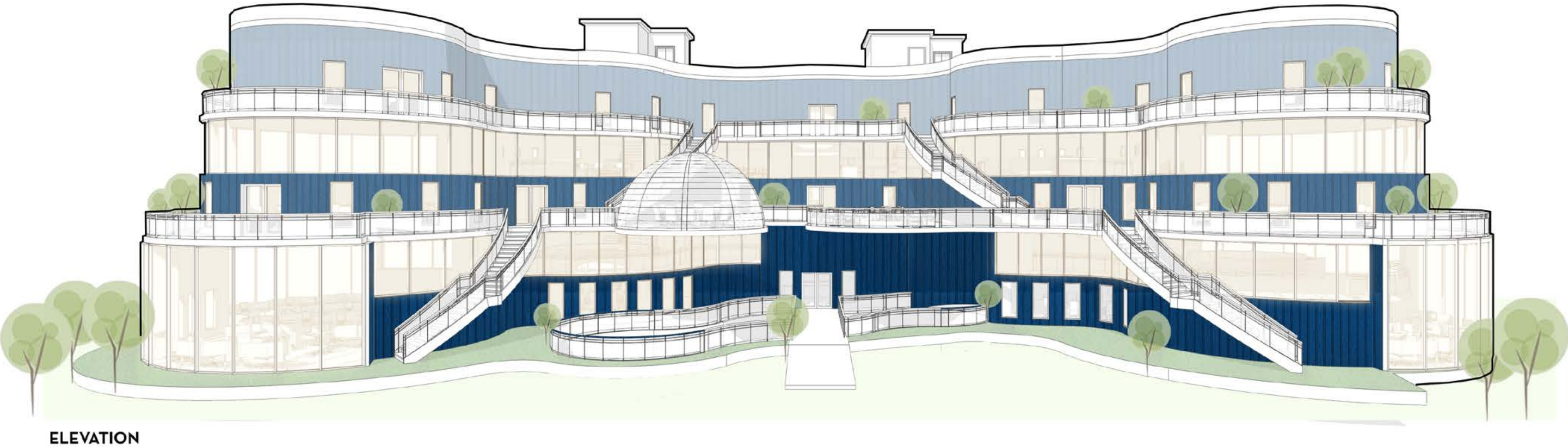




The office was designed for an Architect who required a Multi-use space that would cater to the requirement of various 9-5 offices as well as collaborative office spaces. This Corporate office building is located on a 2.6-acre site in IT park, Chandigarh which has a view of Aravalli Hill on the northern side and is in close proximity to a Mall and the regional office of a Multi - National Corporation.



The idea is to **exploit every view possible of the hillside making any user a spectator of this serene setting.** The building is oriented with longer sides facing North-South to bring in glare-free natural light. A wide inviting entrance along cascading water body leads one to the central spine of the reception, placed in front of a light well, unfolding serenity. Office building with all its ancillaries is proposed around this water body.

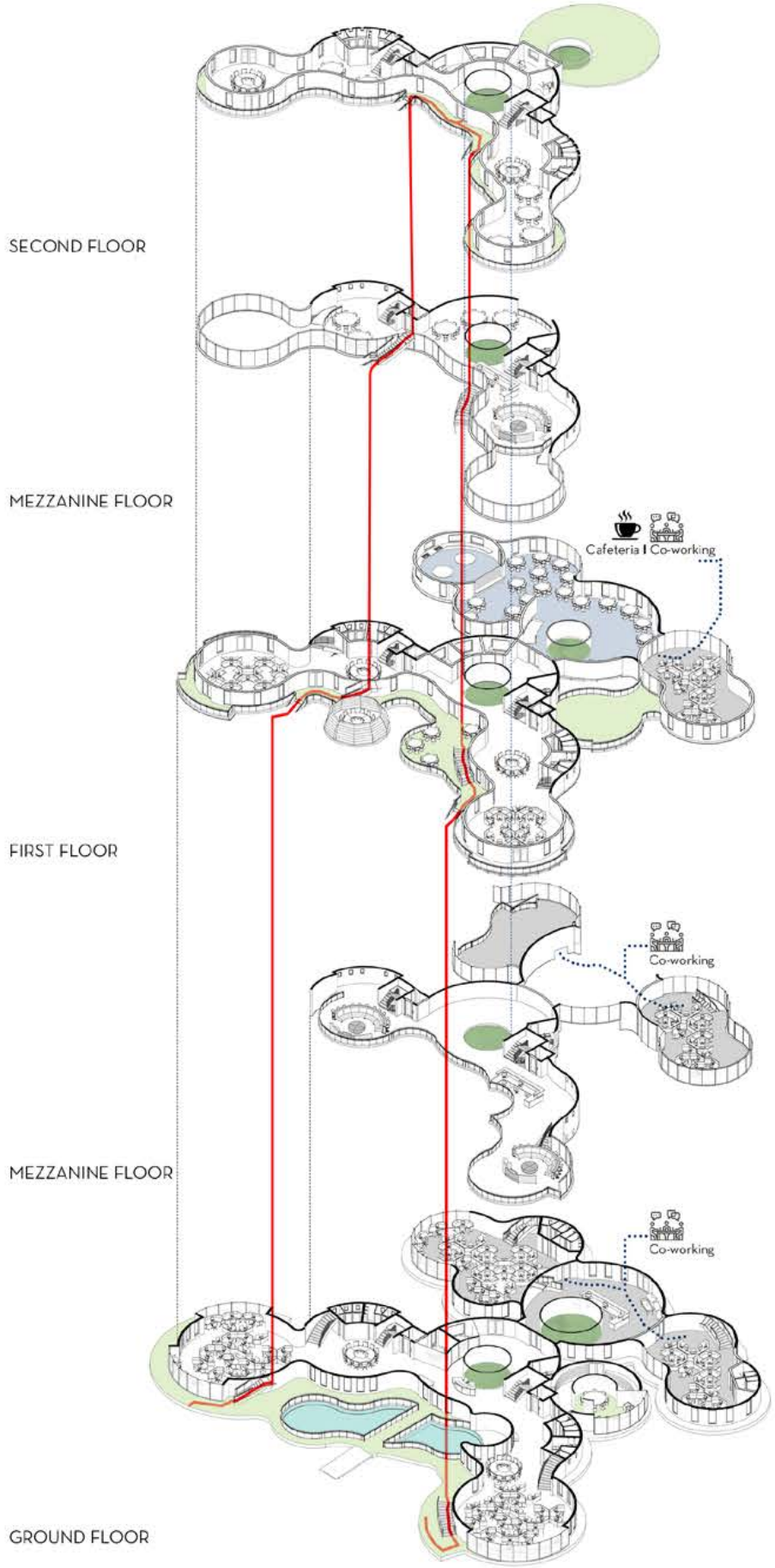




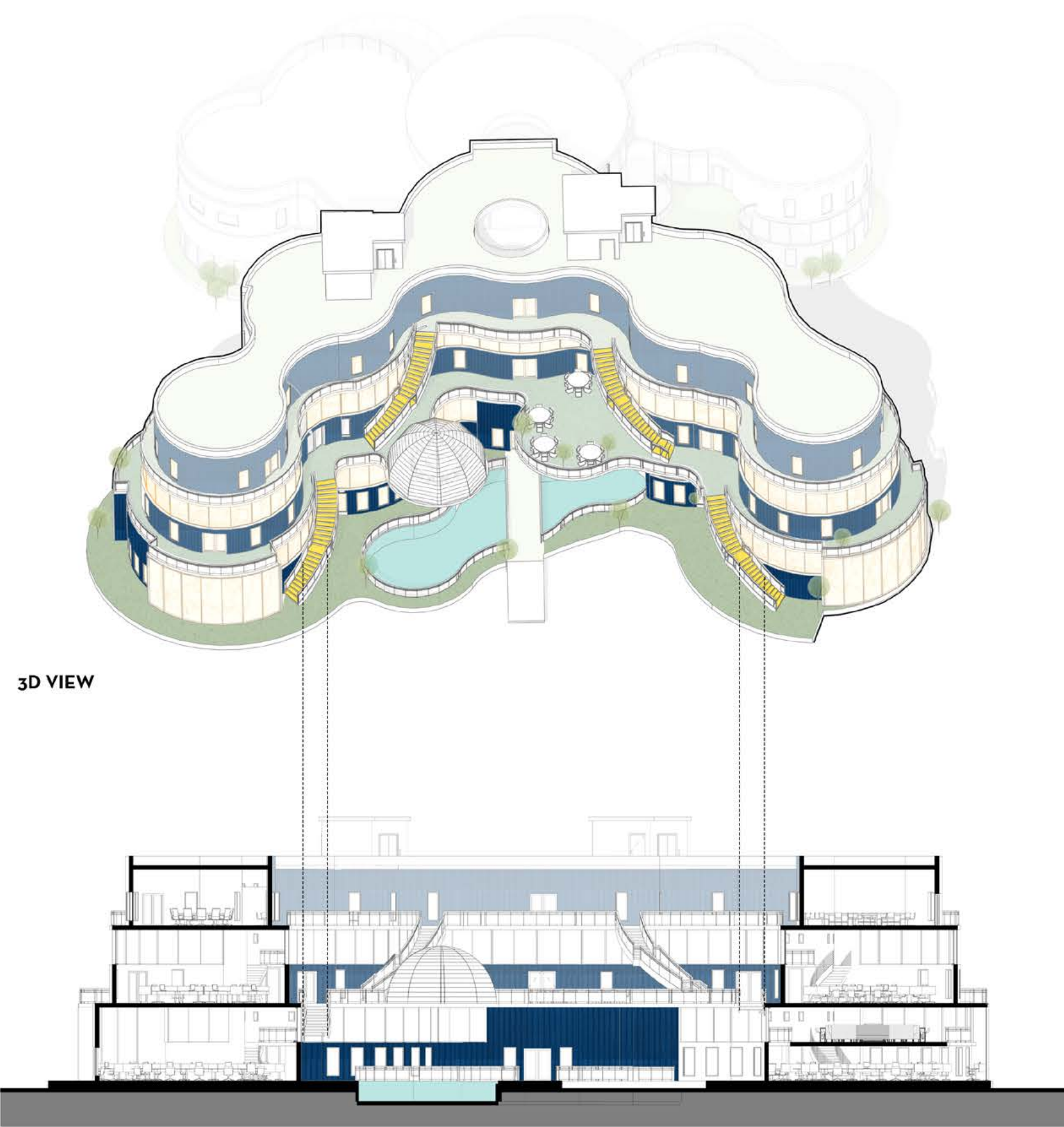
Porosity in planning and form allows continuous movement of a breeze keeping the areas ventilated. The three-floor structure has a terrace garden at every level. **Free-flowing Cascading green terraces are connected through external staircases giving a feeling of elevated ground on each of these floors.** Green terraces not only allow one to work outdoors, and stimulate interaction amidst the flora and fauna but also offers trails for those who wish to enjoy leisurely walks.

Planning of the program is in such a way that each of the departments for designing, fitments, structure, interior planning, etc has its own zone but is yet connected to the other departments through mezzanine floors. The ground floor of the building is lifted by 4.8m inclusive of the mezzanine floor creating a sense of one community, togetherness, and encouraging interaction between different departments. **This entresol area is integrated with product display walls, seating, and informal meeting spaces.** The depth of office space is conceived in a way that the entire office space is enveloped with daylight as long as there is light outside thus minimizing the use of artificial light.

The **landscape design is conceived as a vertical park where each level is a green terrace starting from the waterfront park at the ground level to the sky park at the roof level.** Integrated with the dynamic architecture the landscape spaces seamlessly merge from outside to inside. The idea of a corporate office being reinterpreted seated amidst nature is designed to inspire and elevate the experience of the end users.



AXONOMETRIC VIEW



3D VIEW

SECTION





# 03

## GENERAL HOSPITAL

[ Location ] MEDI CITY, NEW CHANDIGARH, PUNJAB  
[ Area ] 18000 Sqm [16.6 Acres]

[ Academic ] | August 2021 - November 2021 | Semester - 7 |  
| Group of 3 |

[ Software ] AutoCAD\_\_Revit\_\_Photoshop\_\_Lumion





DISTRICT HOSPITAL



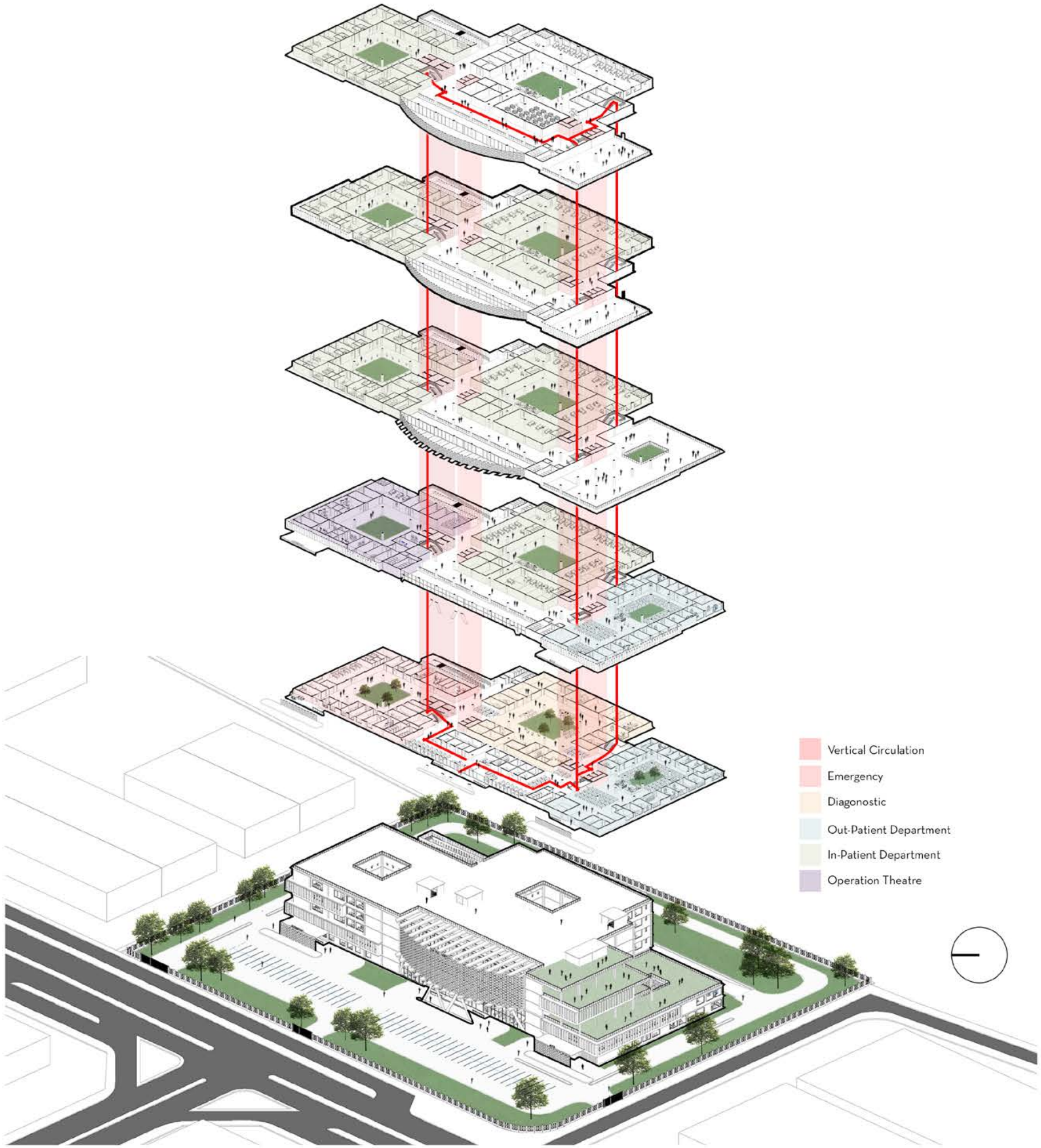
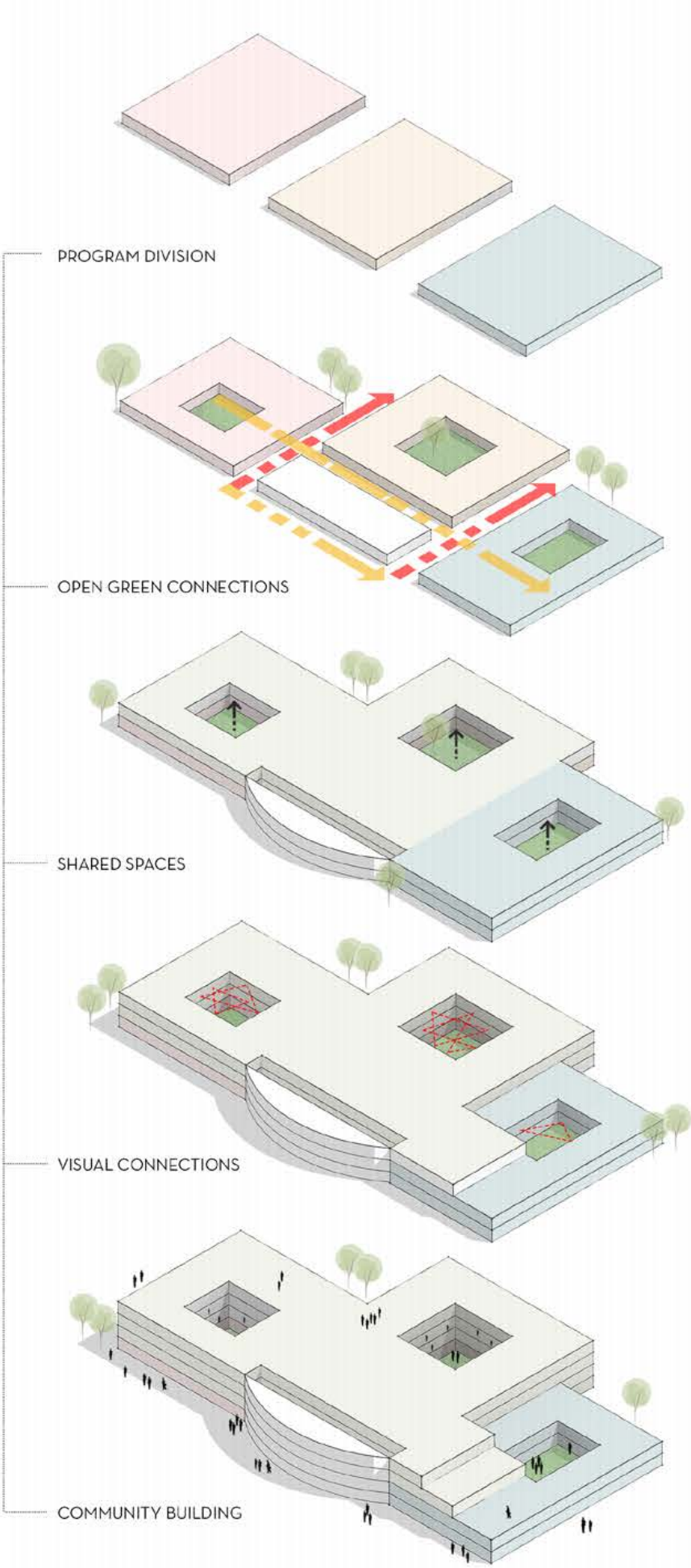
The brief demanded a design of 200 bedded hospital while studying the functional zones, services, and site planning of the hospital.

The Panjab Government has earmarked land for a **Medi-City in the approved Master Plan of New Chandigarh. 200 bedded general hospital represents a new and progressive face of healthcare infrastructure in Chandigarh.**

The main aim of the design kept in mind was to curate a design most functionally and efficiently, keeping all the functional zones within the overall goal of facilitating the patients as well as creating an excellent ambiance for doctors, nurses, and other users of the hospital.

From doctor to patient, from staff to visitor everyone senses the space differently. The **design draws from the ideas of biophilia (an innate human tendency to seek connections with nature and other forms of life to promote recovery and rejuvenation for patients and healthcare professionals.** 3 courtyards landscaped with flowering shrubs and trees bring in ample daylight and views of the outdoors into the interiors while creating buffer zones to reduce cross-infection.

**A central axis runs through emergency, diagnostics, and OPD which acts as the spine of the hospital and gives a seamless transition of space.** To the front of the axis, we intersect with the admin area which opens to a massive atrium imparting natural light and openness for visitors and café sitting.

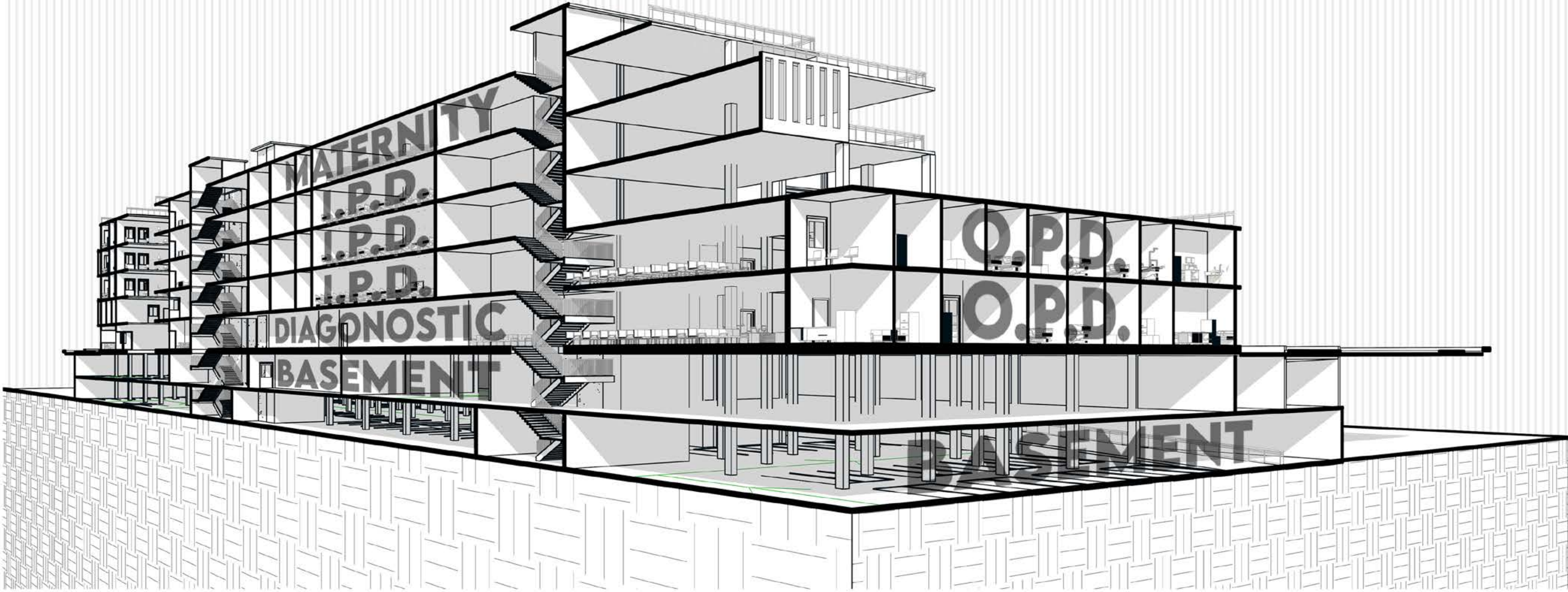




Practical aspects like structure, services, circulation, and zoning patterns were developed by interlinking to each other. **The vertical circulation has been placed strategically between every two departments making every department connected vertically as well as horizontally.**

Functionally, the building comprises four sections. The hospital is planned across five levels: departments such as the OPD, casualty, radiology, IPD, etc. This helps in keeping the departments separate, and thus maintaining the sterility of each floor function-wise.

Carefully and strategically planned, the building attempts to make gestures that are grand, yet local and responsive with attention to detail such as the use of brick jaali.

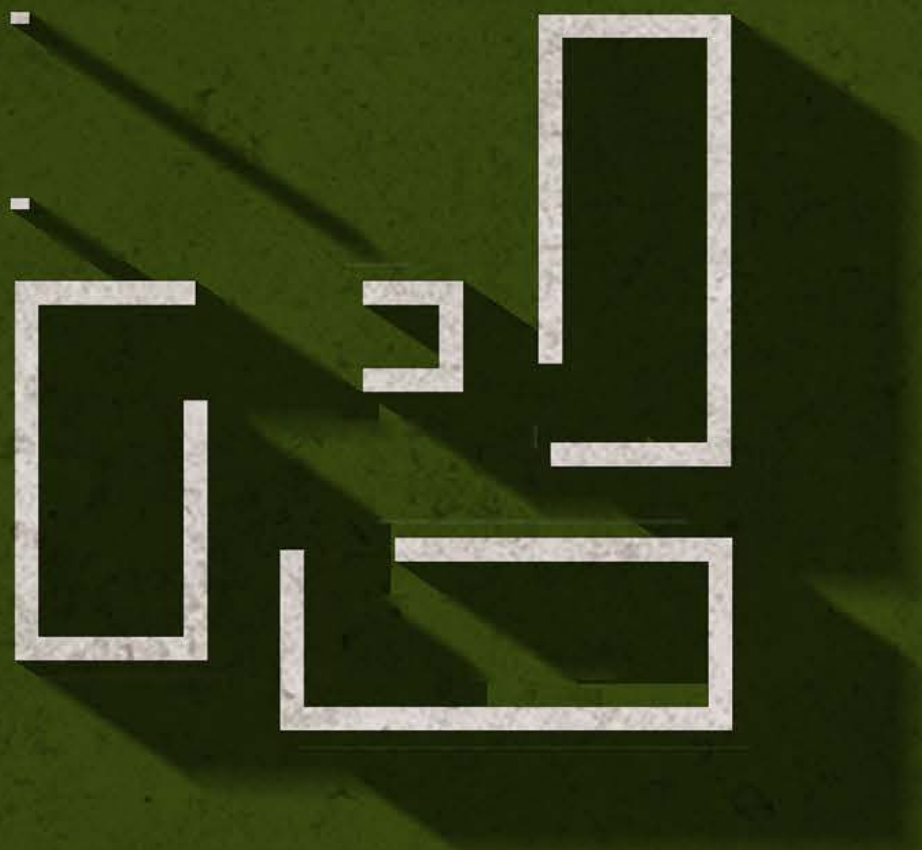


SECTION









## 04 | HIGHER GROUND | MULTISTORIED HOUSING

[ Location ] I.T. HABITAT, RGCTP, CHANDIGARH  
[ Area ] 67040.8 Sqm [16.6 Acres]

[ Academic ] | February 2022 - May 2022 | Semester - 8 |  
| Individual Studio Project |

[ Software ] AutoCAD\_\_Revit\_\_Photoshop\_\_Lumion

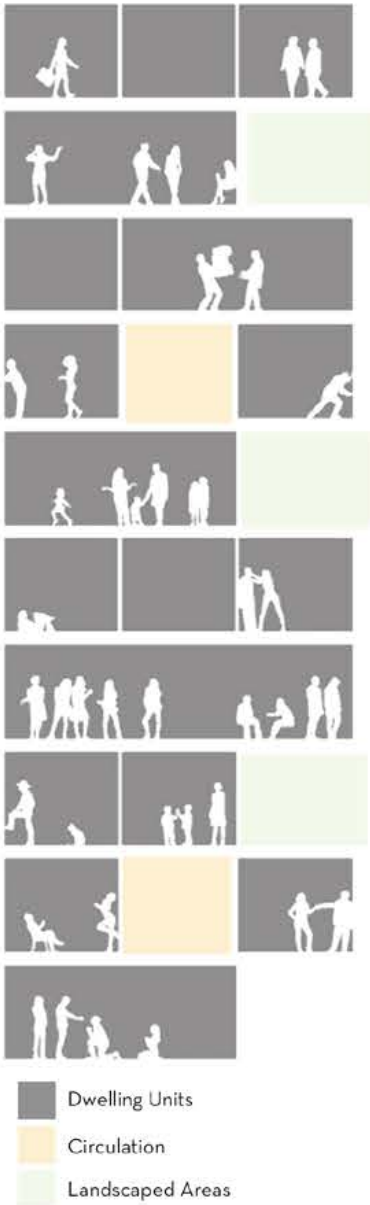






A 16 Acre development located in the IT Habitat, consisting of twelve mid-rise towers surrounded by an active central plaza. Intended to serve a diverse mix of residents and visitors, the design features a wide range of **distinctive spaces and roof decks that come together to give the development a “social community” feel.** Featuring residential units, parking, a sky restaurant, retail, and cultural space, the building will inject a sense of life and excitement into the neighborhood, transforming the district into a more varied and liveable urban quarter.

The proposal was to transform the towers into a revitalized, dynamic, urban neighborhood rooted in the desire to activate the district’s social potential through the integration of new building forms, urban rooms, and landscapes into the monolithic urban structure. The **centers inspire a gradual concentration of the spatial, social, and functional layers necessary for an attractive and dynamic urban quarter.** The connections of the towers are articulated by an urban walking trail uniting the development and taking its place in an overall strategic site plan.



- Total no. of Dwelling units: 45 units
- High Income Group: 4BHK: 92 Apartments  
3BHK: 85 Apartments
- Middle Income Group: 2BHK: 86 Apartments  
3BHK: 91 Apartments
- Low Income Group: 1BHK: 48 units
- Economically Weaker Section: 54 units
- Common Facilities: 4%

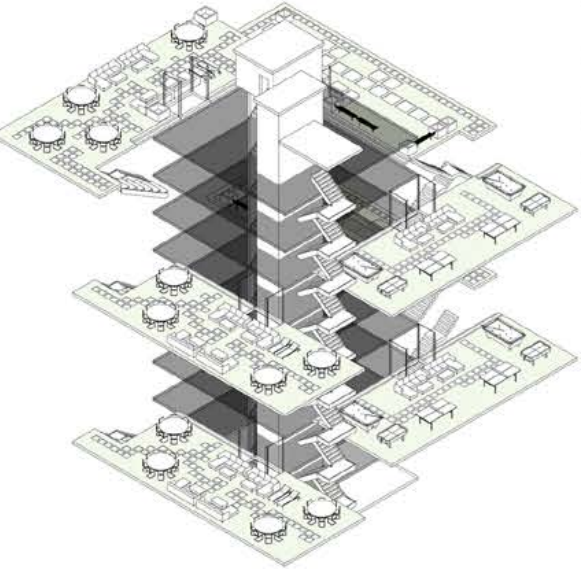
SITE PLAN



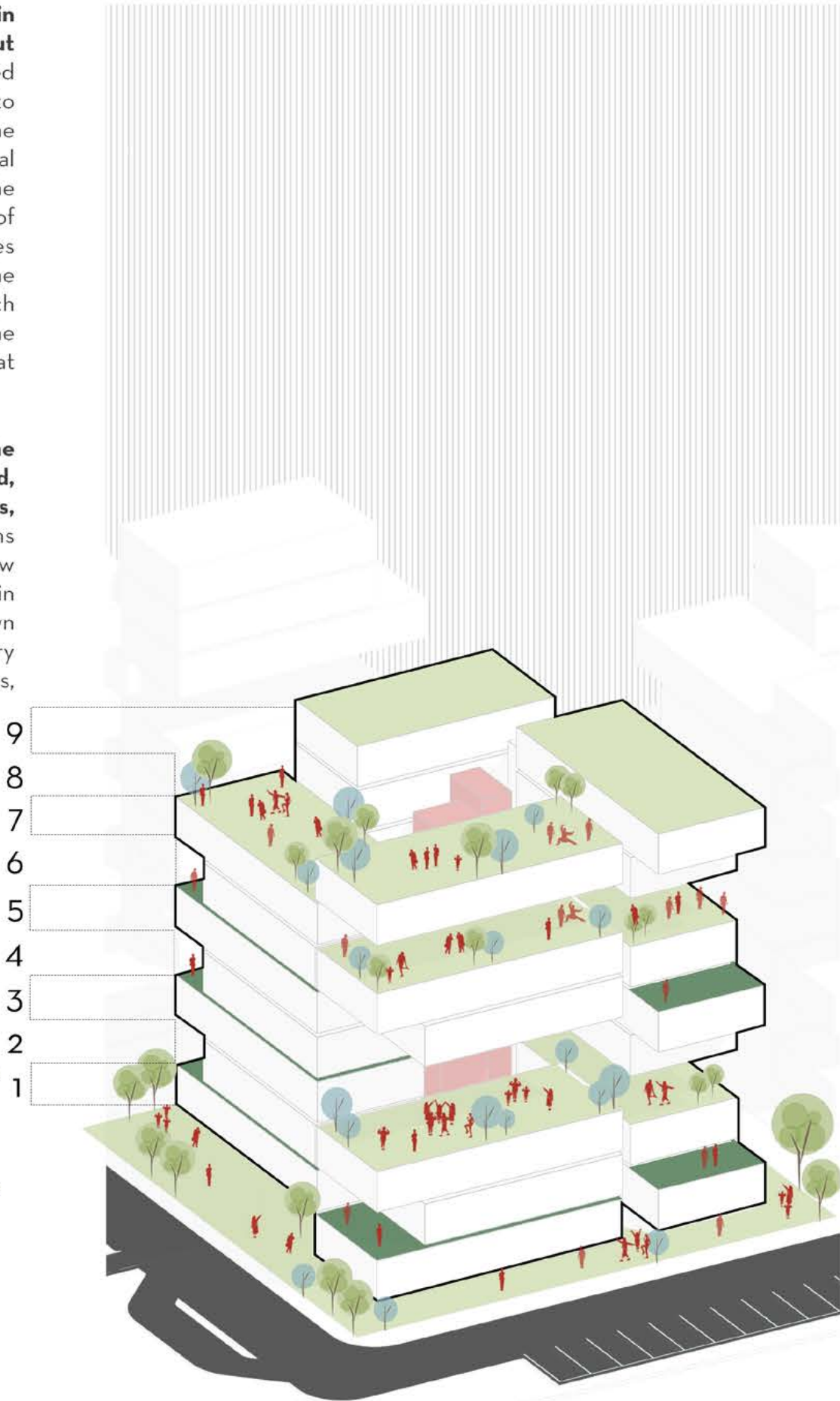


Each level is occupied by 3 apartments, in addition to a landscaped extension of about 1 apartment unit area. The landscaped garden rotates at right angles with respect to the lower level that the apartments house the space surrounding the area. The helical arrangement that the tower prioritizes the green areas, maximizes the penetration of light and ventilation into the interior spaces and allows the existence of trees. The hierarchy of the garden acquires such importance in the scheme that all the apartments are arranged in such a way that they have a relationship with it.

The tower is a vertical continuation of the walking trail, folding and reaching upward, like a narrow winding street, with stairs, small public squares, and public functions looking out and uniting a community. This new trail acts as a connector and catalyst within the tower. The trail rises up and down connecting the landscaped areas at every level, creating a series of new urban spaces, and gathering spots, interweaving towers.



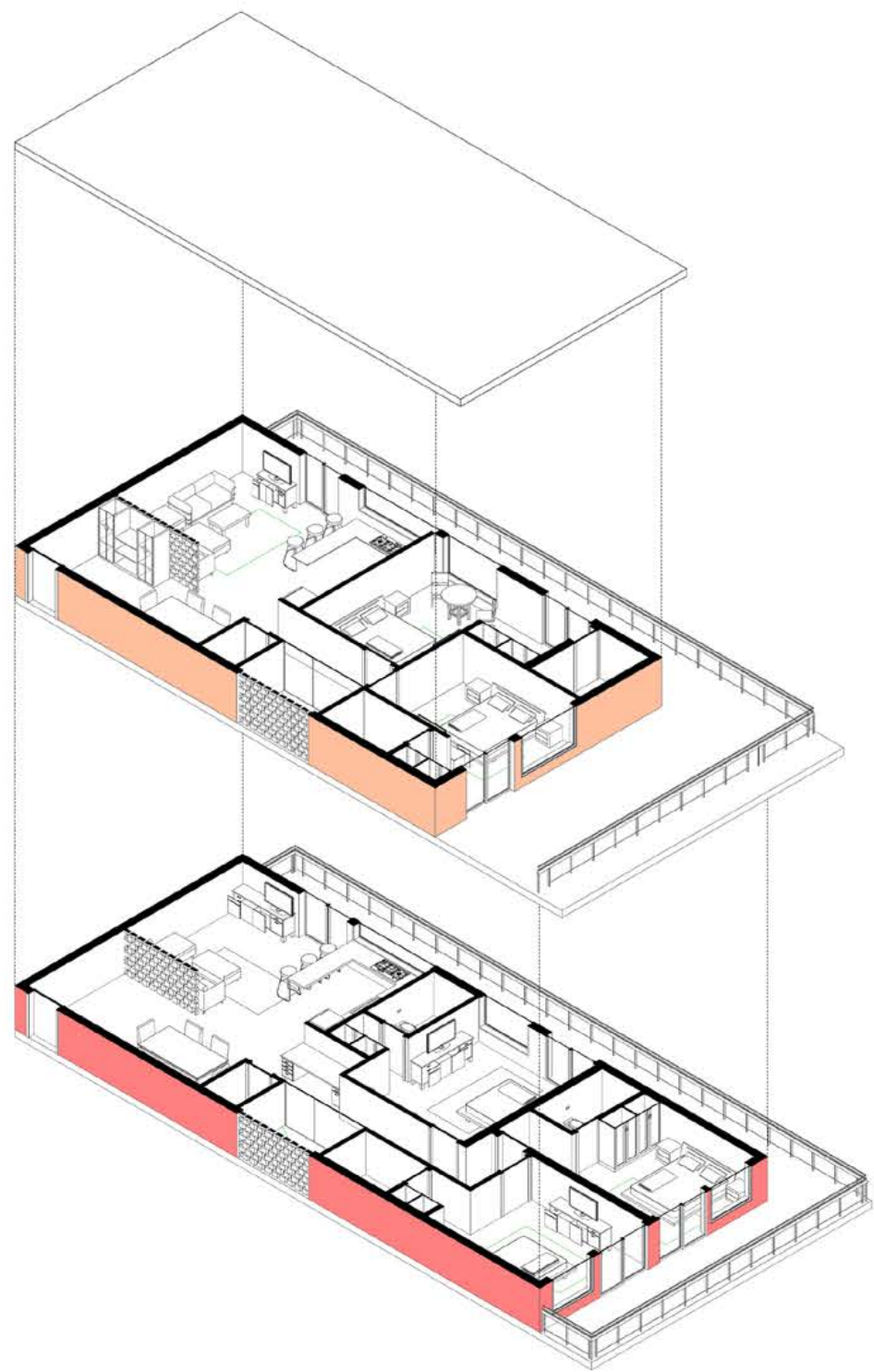
Vertical Urban Trail



CONCEPTUAL MASSING

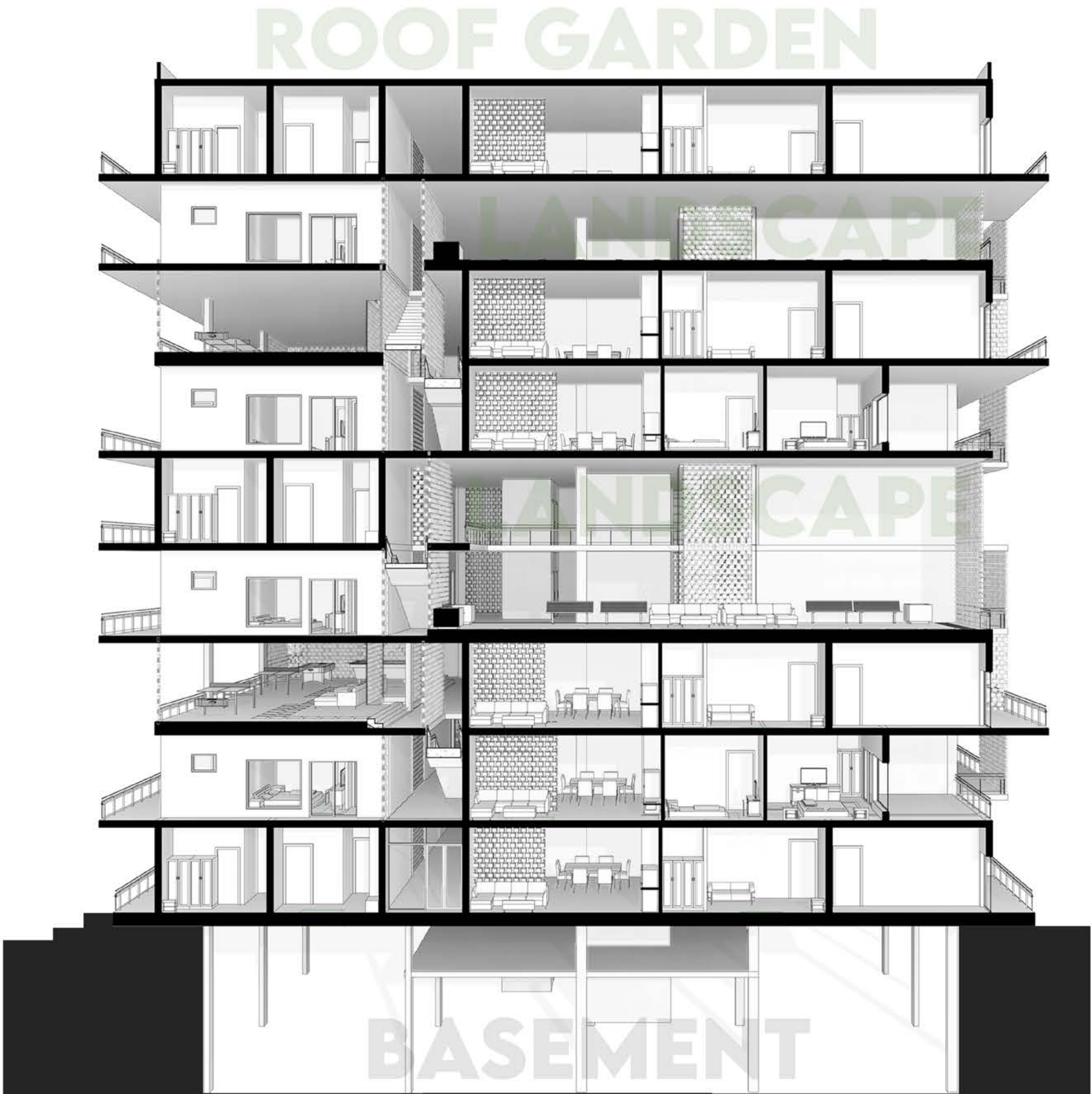






The tower rises as a symbol of diversity and openness - a vertical manifestation of the vital and dynamic city district. All the towers will be clad in a distinct ceramic and concrete facade that reacts to the local climatic conditions. The towers have also been oriented to maximize the views of the nearby waterfront and surrounding landscape. By incorporating green spaces on each level, it not only recreates the experience of a single house but also breaks the dichotomy between land and building.

APARTMENT MODULES



SECTION





# 05

## PROFESSIONAL PROJECT

[ Location ] DLF HYDE PARK, NEW CHANDIGARH, PUNJAB  
[ Area ] 3150 sqm

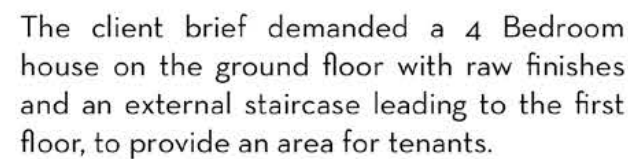
[ Academic ] | December 2020 - January 2021 |

[ Software ] AutoCAD\_\_Revit\_\_SketchUp\_\_Lumion

















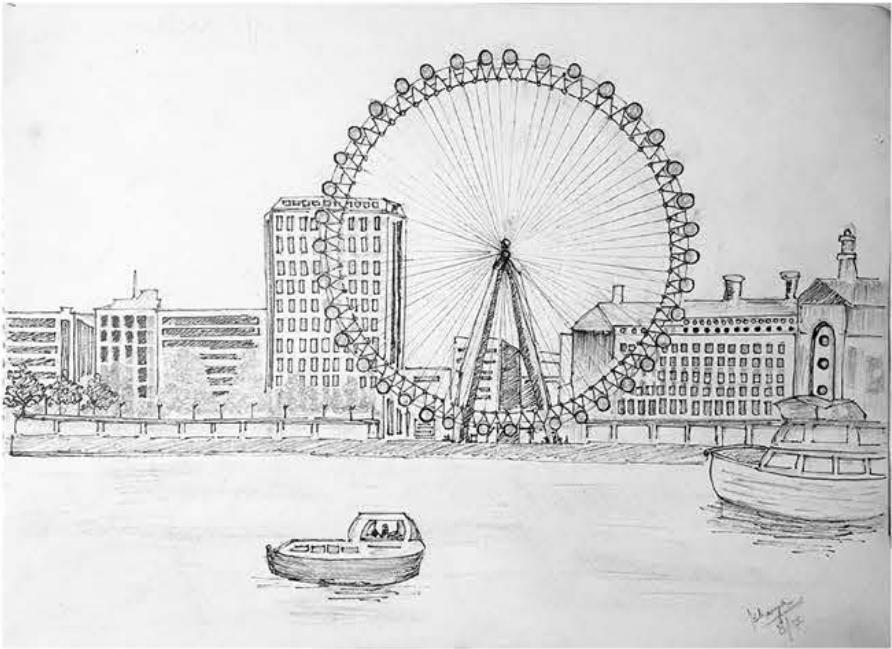
## 06

### MISCELLANEOUS

- | Sketching
- | Photography
- | Over the top [ Venue layout | Stage Design ]
- | Model Making [ Azadi ka amrit Mahotsav  
| Pierre Jeaneret Furniture ]



SKETCHING



PHOTOGRAPHY



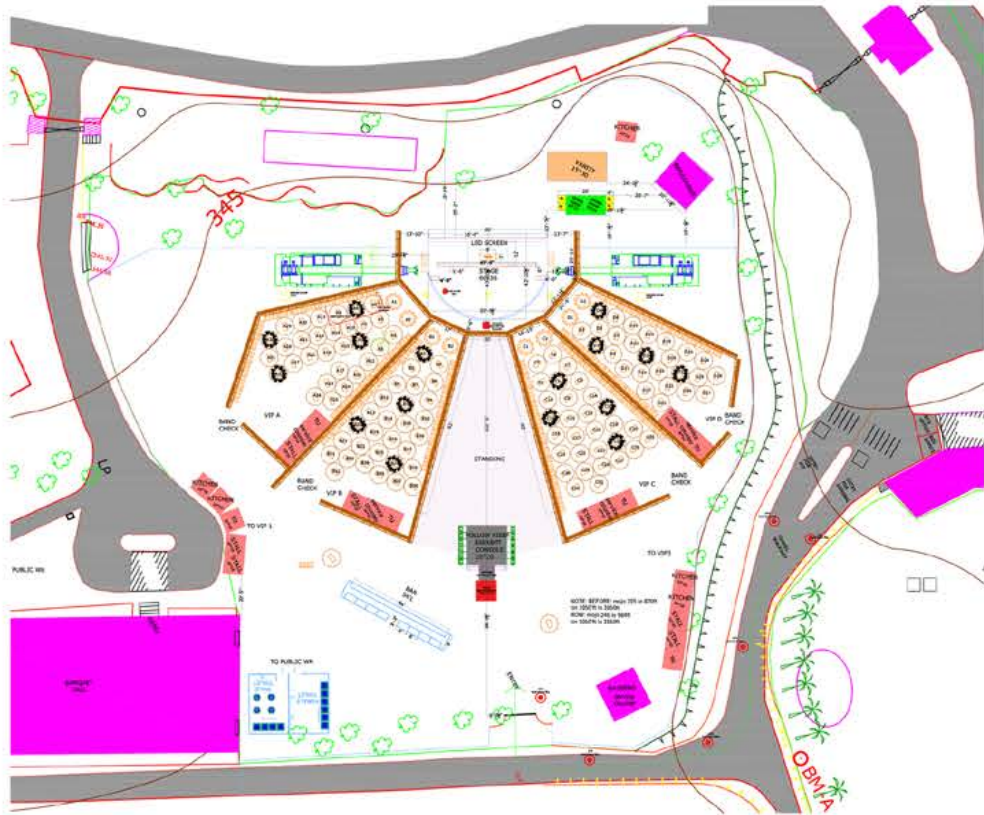
# OVER THE TOP: A.P. Dhillon- The Takeover Tour

- [ Site Location ] FOREST HILL GOLF & COUNTRY CLUB RESORT, MOHALI, IINDIA
- [ Scope of work ] Stage design and Venue layout
- [ Site Area ] 10,400sqm

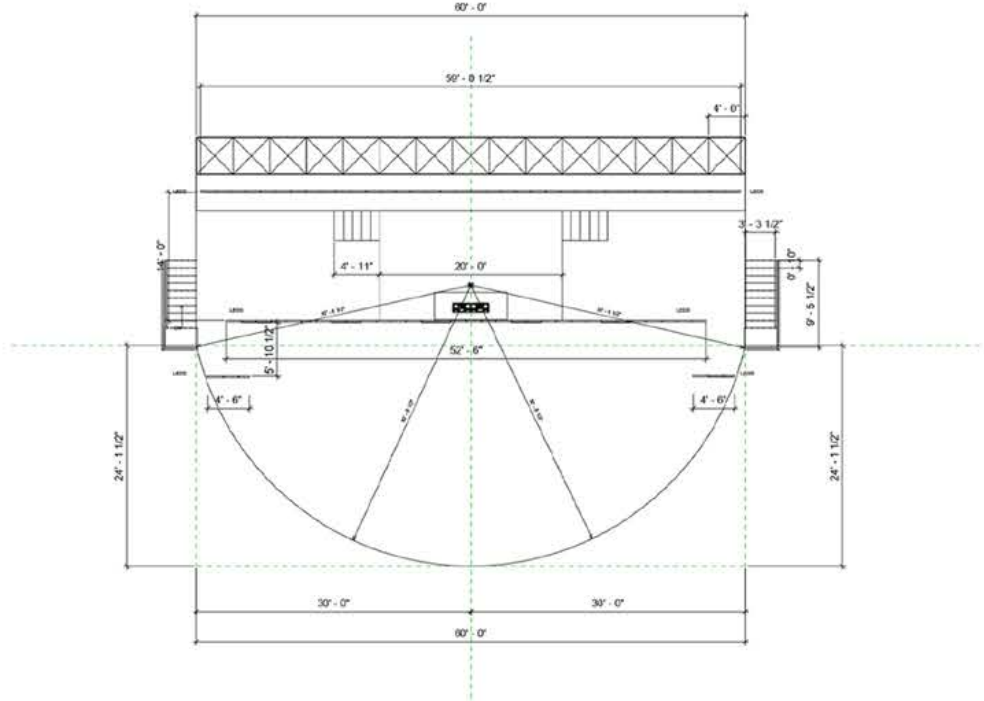
AP Dhillon has been the breakthrough Punjabi music act of the last year. Hailing from Punjab, Dhillon’s inimitable style of fusing big hip hop and trap beats laced with flawless Punjabi lyrics and vocal delivery have taken the world by storm. **The challenge was to curate a concert for 5,000 people and design a stage that has the best visibility from every corner of the ground.** The stage was 60’x40’ semi-circled from the front which made the artists visible from every corner and the best viewing experience. The layout was planned in a fan shape emerging from the stage, divided into 5 segments. The trusses were hung by 100-ton cranes on each side to eliminate tower. From documentation to execution it was over the top.



[ Scan here to see the video ]



Venue Layout Plan



Stage Plan





# MODEL MAKING

## PIERRE JEANNERET FURNITURE

PJ-SI-59: Low caned armless easy chair, called Kangaroo Chair, 1955

PJ-L-09: A Cane Daybed designed by Pierre Jeanneret.

## AZADI KA AMRIT MAHOTSAV ; ICONIC WEEK

Organised a Model exhibition at Chandigarh Gallery and Arts Museum, Sector 10, Chandigarh.

Documented the Models of housing typologies, Chandigarh (9F, 9FC, 10JD, 13D) designed by Jane Dew and Maxwell Fry.



Kangaroo Chair



Kangaroo Chair and Day Bed



Kangaroo Chair and Day Bed



Housing Typology - 9F



Housing Typology - 10JD



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