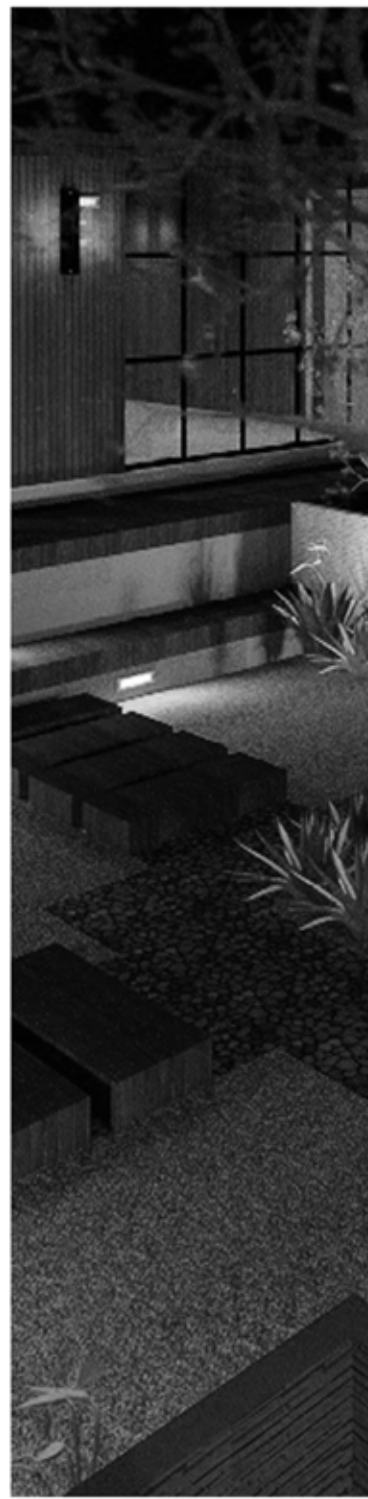
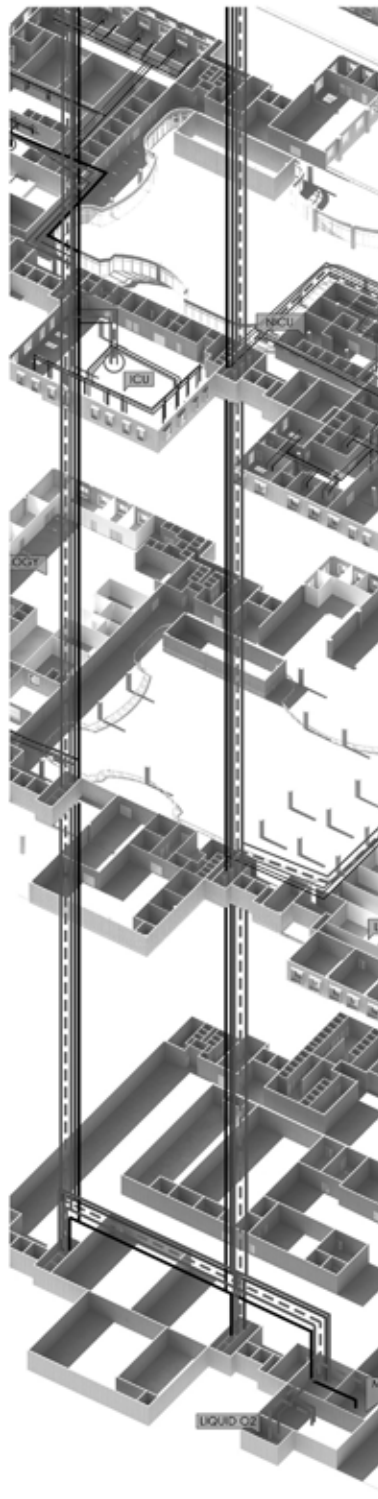
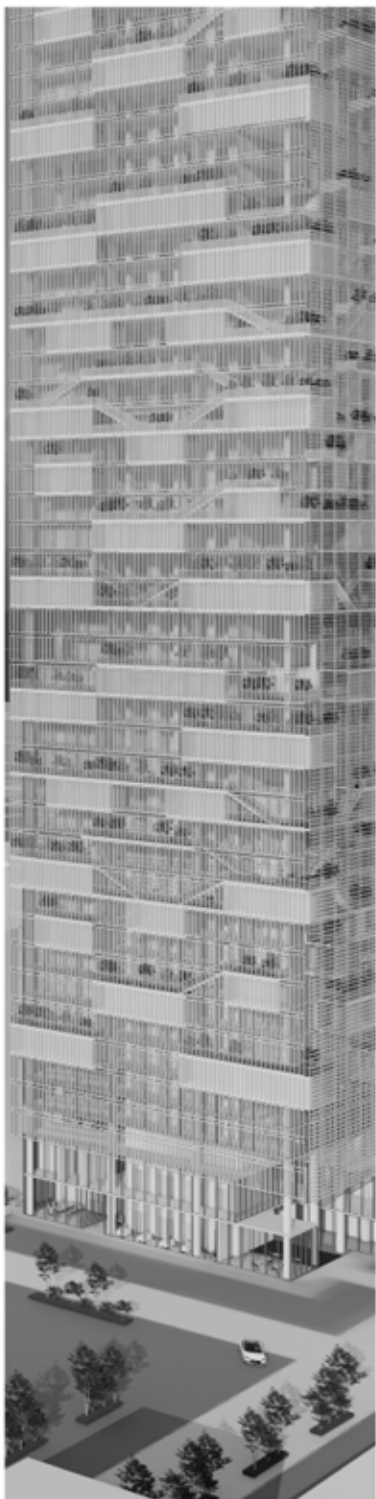


ARCHITECTURAL PORTFOLIO



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“As an architect, you design for the present, with an awareness of the past, for a future which is essentially unknown.”

– Norman Foster

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“Architecture is not so much a knowledge of form, but a form of knowledge”

– Bernard Tschumi



PROFESSIONAL PRACTICE



1. STARBUCKS PICK UP - DUKE HOSPITAL

Location : Durham, NC, USA

Year : 2023

Type : Interior

Role : Architectural Designer

2. YELLOW LINAC VAULT - CANCER CENTER

Location : Durham, NC, USA

Year : 2023

Type : Hospital Project

Role : Architectural Designer

3. SYMBIOSIS HOSPITAL

Location : Pune, India

Year : 2017

Type : Hospital Project

Role : Intern

Mentor : Ar. Rahul Kadri (IMK Architects)

4. INTERIORS HOUSING PROJECT

Location : Mumbai, India

Year : 2020

Type : Interior

Role : Architect

STARBUCKS PICKUP - DUKE HOSPITAL

Site - Durham, NC, USA

PROJECT ABSTRACT

The project aims to transform an existing Starbucks cafe within Duke Hospital into an efficient and innovative Pickup Starbucks store. This renovation is intended to enhance the overall customer experience, streamline service efficiency, and align the space with the latest Starbucks design standards. As the Architectural Designer for this project, I played a pivotal role in preparing comprehensive construction documents to ensure a seamless execution of the renovation. Selected materials, finishes, and furnishings that align with Starbucks' aesthetic while adhering to the hospital's guidelines. Collaborated with Starbucks and Duke Hospital representatives to understand operational requirements and streamline the workflow.



WALL TYPE LEGEND

1 EXISTING WALL

20 GA 3-5/8" (95 MM) METAL STUDS 16" (406 MM) O.C. WITH 5/8" (16 MM) TYPE "X" GWS ON ONE OR BOTH SIDES TO MINIMUM OF 8" (152 MM) ABOVE CEILING GRID. DRYWALL SCREWS @ 12" (305 MM) O.C. 45 DEGREE METAL STUD REINFORCEMENT @ 48" (1210 MM) O.C. ABOVE CEILING LINE TO STRUCTURE ABOVE.

3 NEW PARTIAL HEIGHT WALL (7'-8" AFF)
20 GA 3-5/8" (95 MM) METAL STUDS 16" (406 MM) O.C. WITH 5/8" (16 MM) TYPE "X" GWS ON ONE OR BOTH SIDES TO SPECIFIED HEIGHT. DRYWALL SCREWS @ 12" (305 MM) O.C.

4 NEW PLUMBING WALL 6" (152MM) ABOVE CEILING

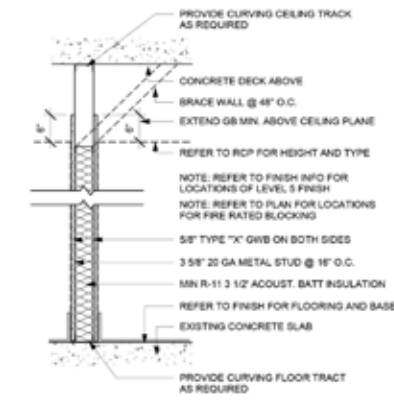
20 GA 6" (152 MM) METAL STUDS 16" (406 MM) O.C. WITH 5/8" CEMENT BOARD TO 12" AFF AND 5/8" MOISTURE RESISTANT GYP. BOARD FROM CEMENT BOARD TO TOP OF WALL WORKROOM SIDE AND 5/8" CEMENT BOARD FROM FLOOR SLAB TO TOP OF WALL ON BACKBAR SIDE. SECURE MOISTURE RESISTANT GYPSUM BOARD TO STUDS WITH DRYWALL SCREWS AT 10" (254 MM) O.C. AT PANEL EDGES AND 12" (305 MM) O.C. AT INTERMEDIATE SUPPORTS.

5 NEW SHALLOW FURRED WALL TO 6" (154 MM) ABOVE CEILING

20 GA 1-3/4" (44 MM) METAL HAT CHANNELS 16" (406 MM) O.C. WITH 5/8" (16 MM) TYPE "X" GWS TO MINIMUM OF 6" (152 MM) ABOVE CEILING GRID. DRYWALL SCREWS @ 12" (305 MM) O.C. 45 DEGREE METAL STUD REINFORCEMENT @ 48" (1210 MM) O.C. ABOVE CEILING LINE TO STRUCTURE ABOVE.

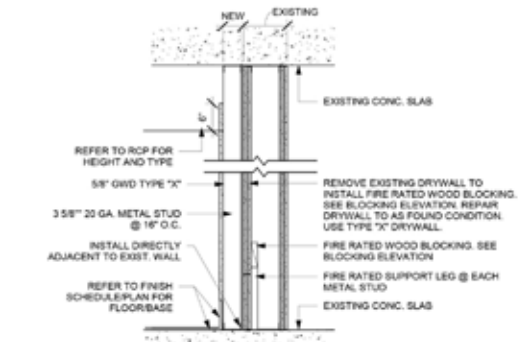
6 NEW SHALLOW FURRED WALL TO 6" (154 MM) ABOVE CEILING

20 GA 2-1/2" METAL STUD @ 16" O.C. WITH 5/8" (16 MM) TYPE "X" GWS TO MINIMUM OF 6" (152 MM) ABOVE CEILING GRID. DRYWALL SCREWS @ 12" (305 MM) O.C.



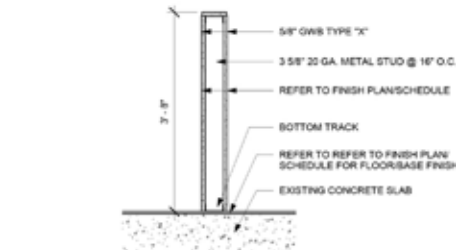
3 WALL TYPE 2- TYPICAL

Scale: 3/4" = 1'-0"



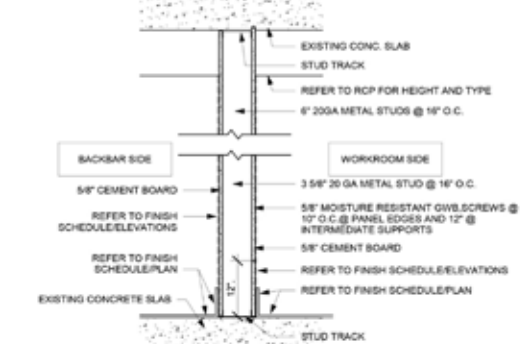
4 WALL TYPE 2- WALL TYPE @ FIRE/SMOKE WALL

Scale: 3/4" = 1'-0"



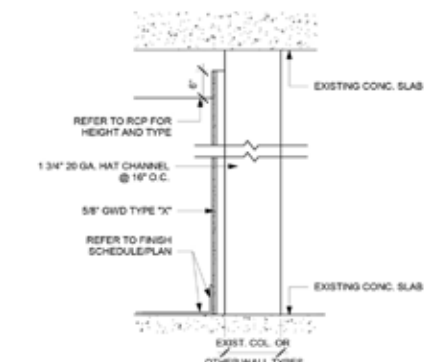
5 WALL TYPE 3

Scale: 3/4" = 1'-0"



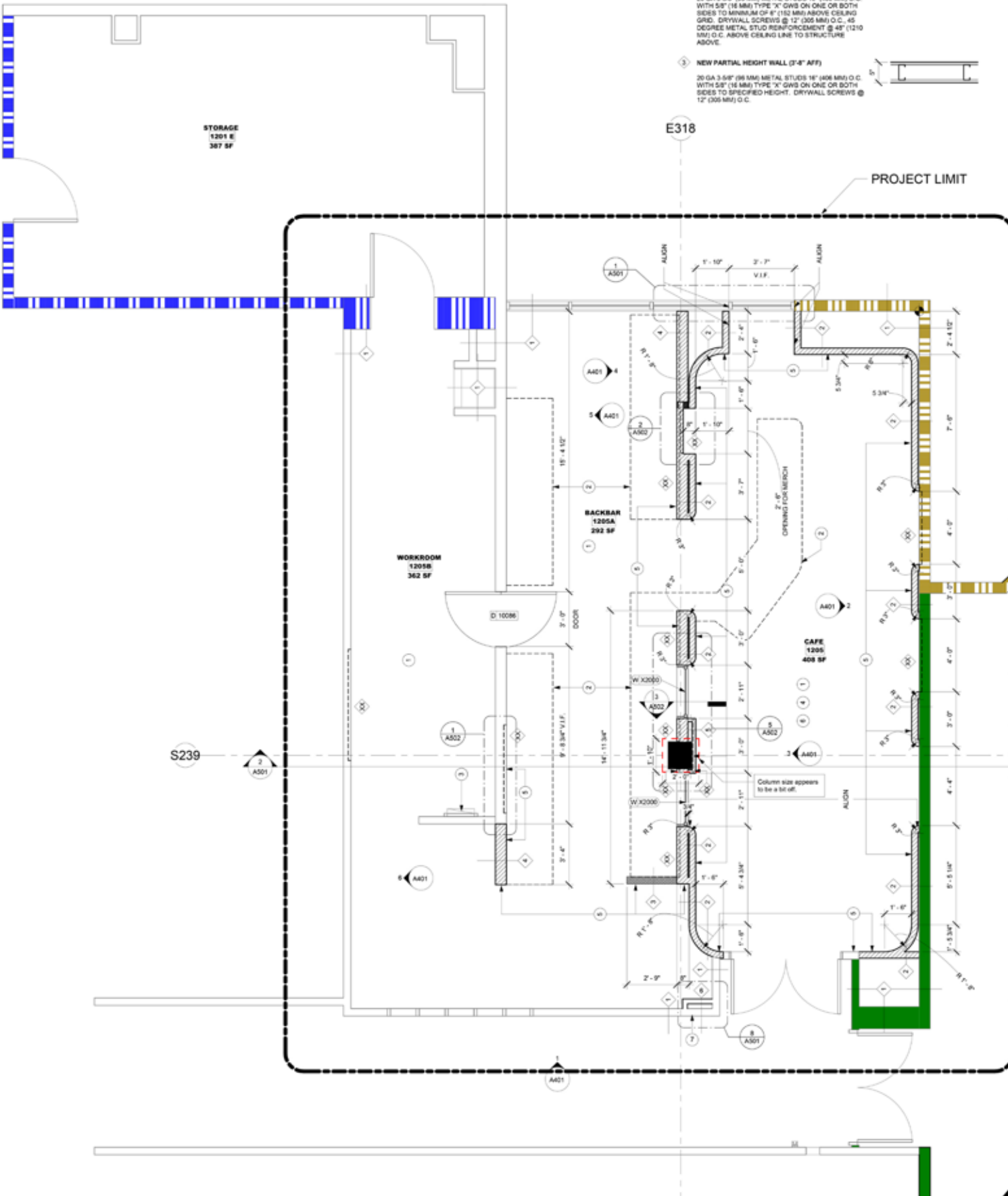
6 WALL TYPE 4- NEW PLUMBING WALL

Scale: 3/4" = 1'-0"



7 WALL TYPE 5- TYPICAL

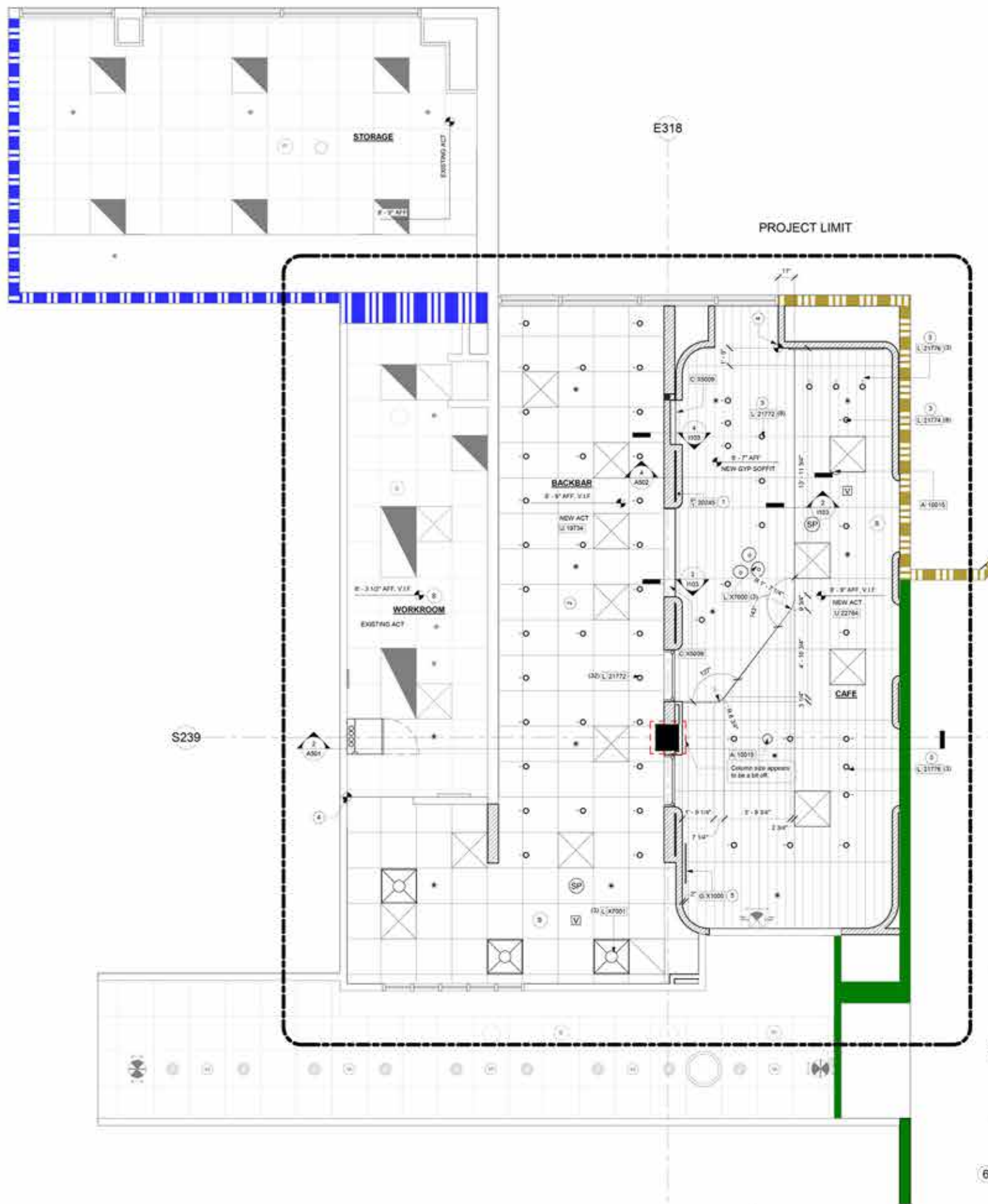
Scale: 3/4" = 1'-0"



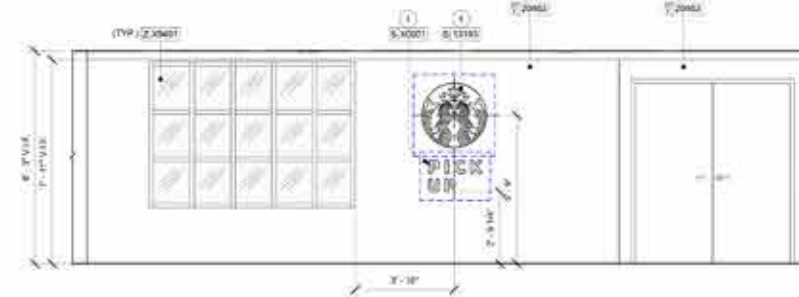
1 RENOVATION FLOOR PLAN

Scale: 3/8" = 1'-0"

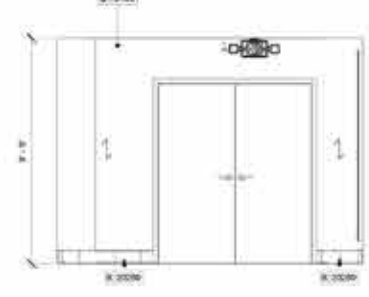




1 REFLECTED CEILING PLAN
Scale: 3/8" = 1'-0"



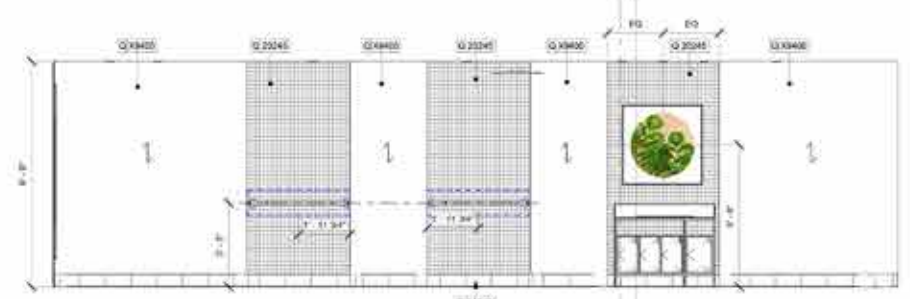
1 STOREFRONT ELEVATION
Scale: 3/8" = 1'-0"



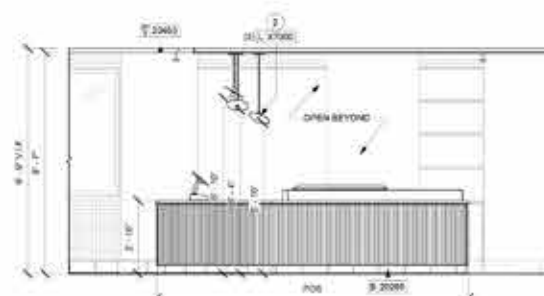
2 INTERIOR STOREFRONT ELEVATION
Scale: 3/8" = 1'-0"



3 CAFE NORTH ELEVATION
Scale: 3/8" = 1'-0"



4 CAFE EAST ELEVATION
Scale: 3/8" = 1'-0"



5 FRONTBAR ELEVATION
Scale: 3/8" = 1'-0"



7 FRONTBAR ELEVATION PARTNER SIDE
Scale: 3/8" = 1'-0"



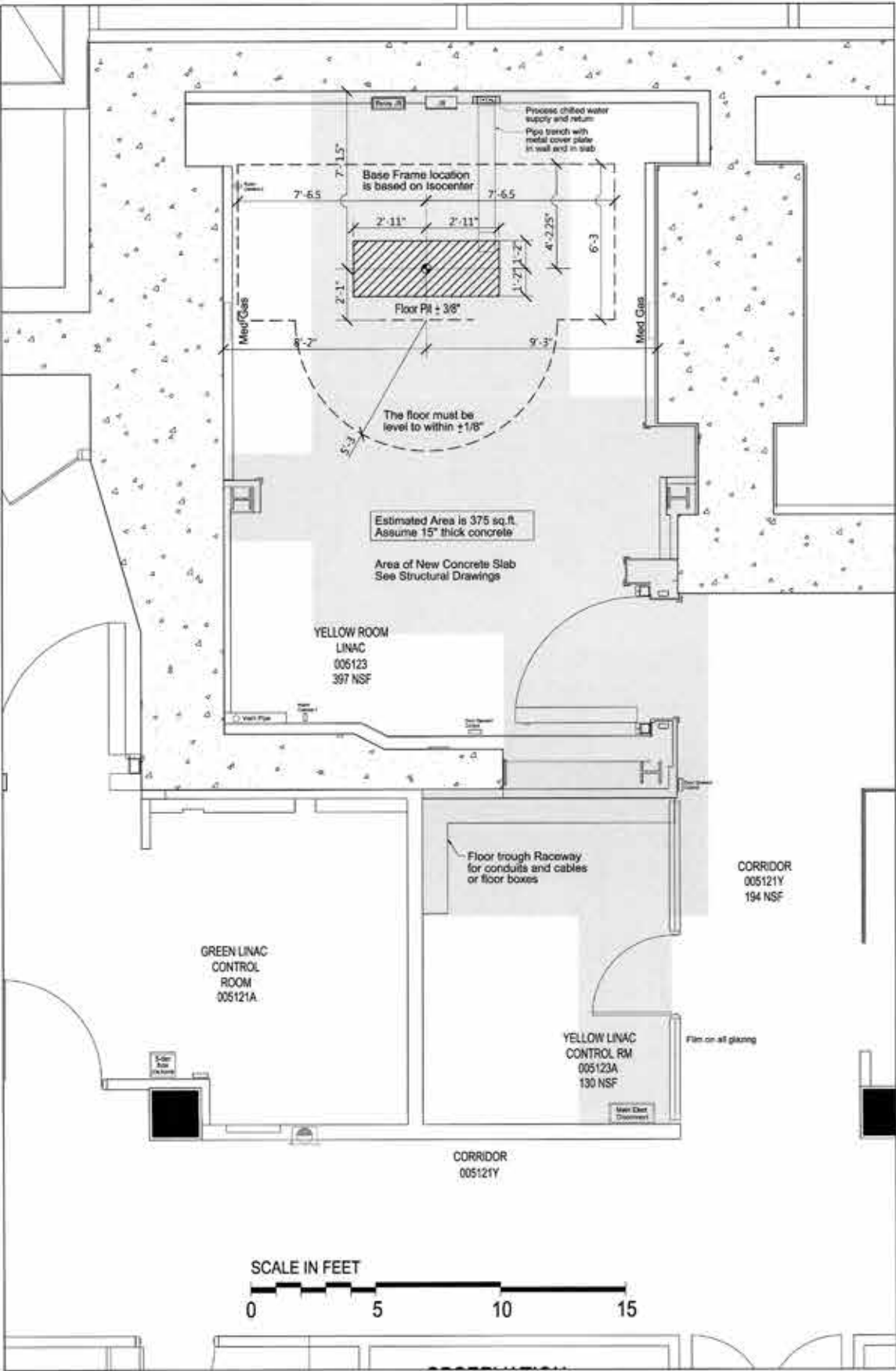
6 CAFE WEST ELEVATION
Scale: 3/8" = 1'-0"



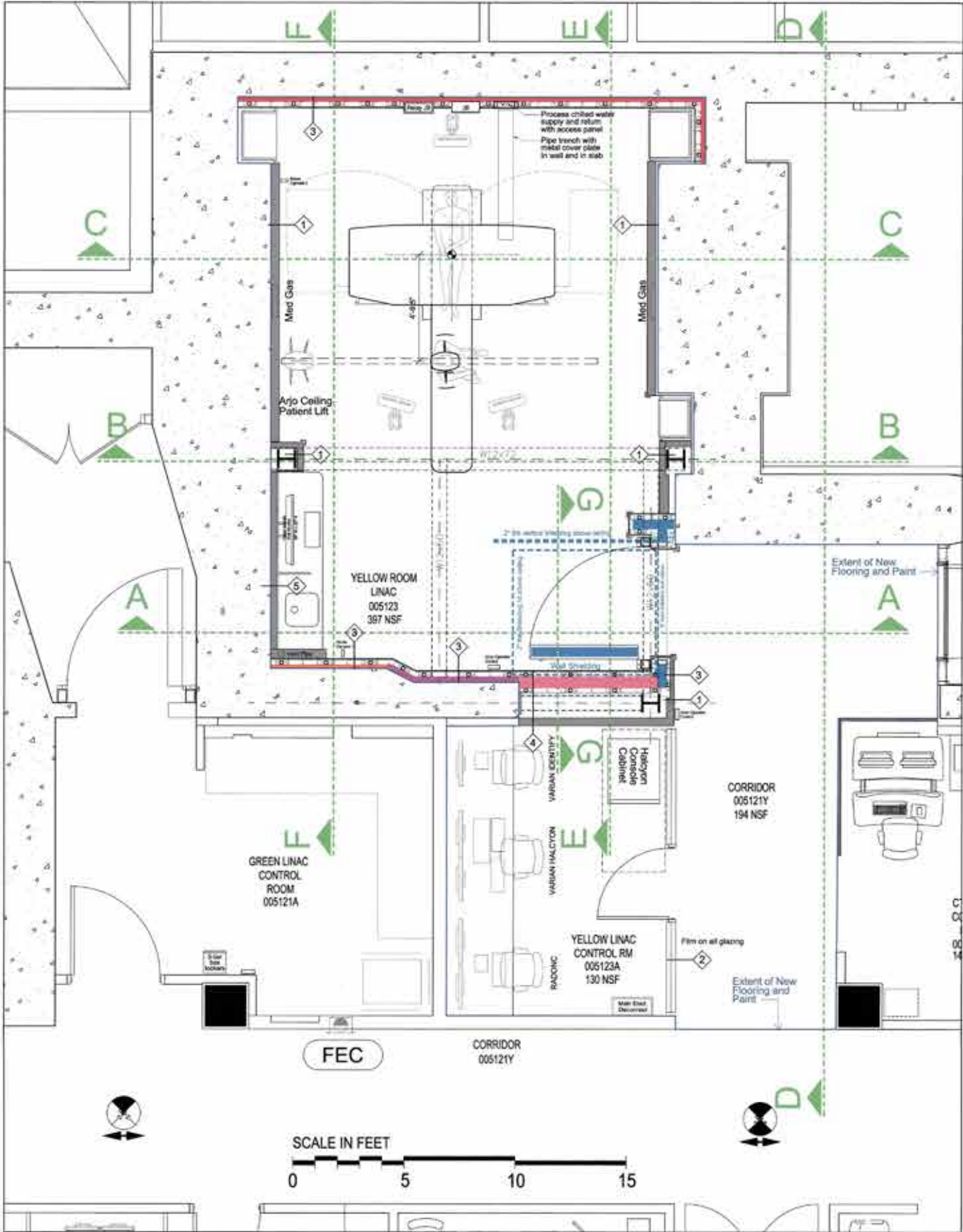
8 CONSOLIDATION STATION ELEVATION
Scale: 3/8" = 1'-0"

YELLOW LINAC VAULT - CANCER CENTER

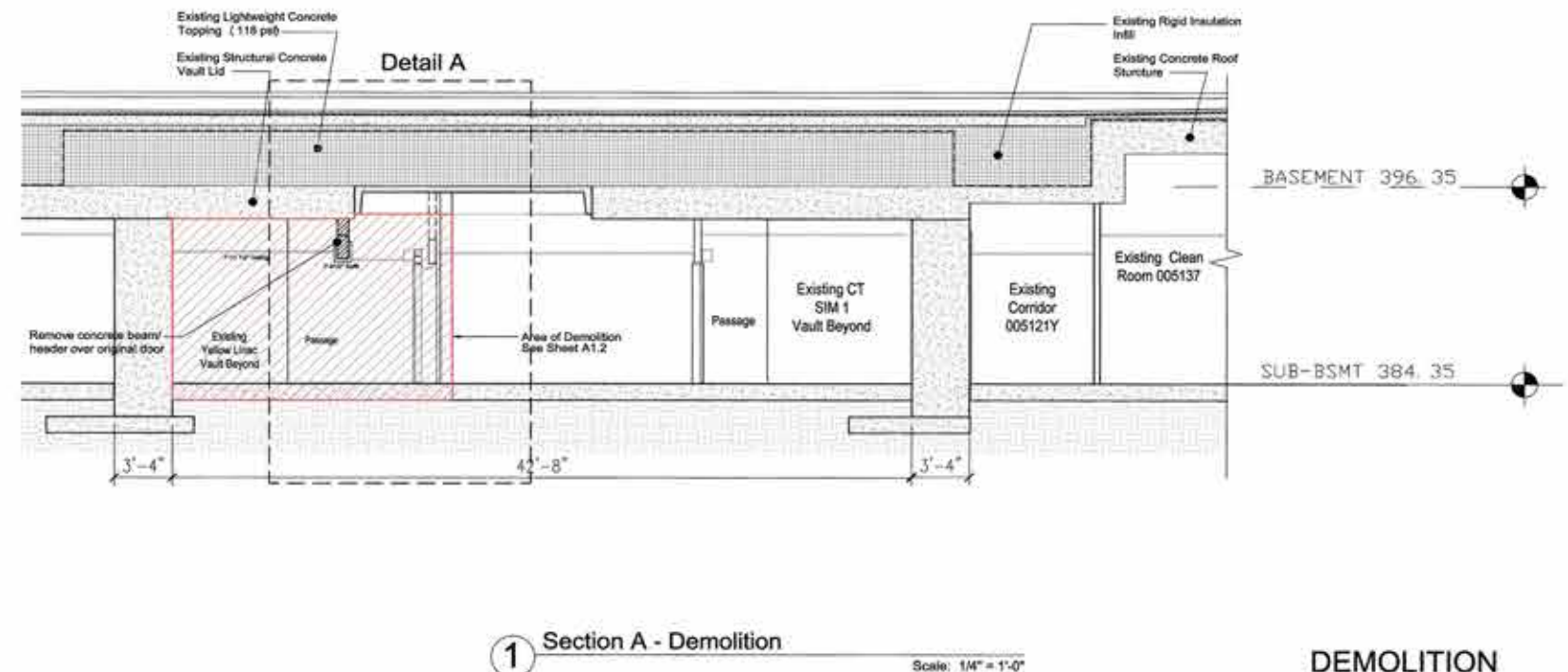
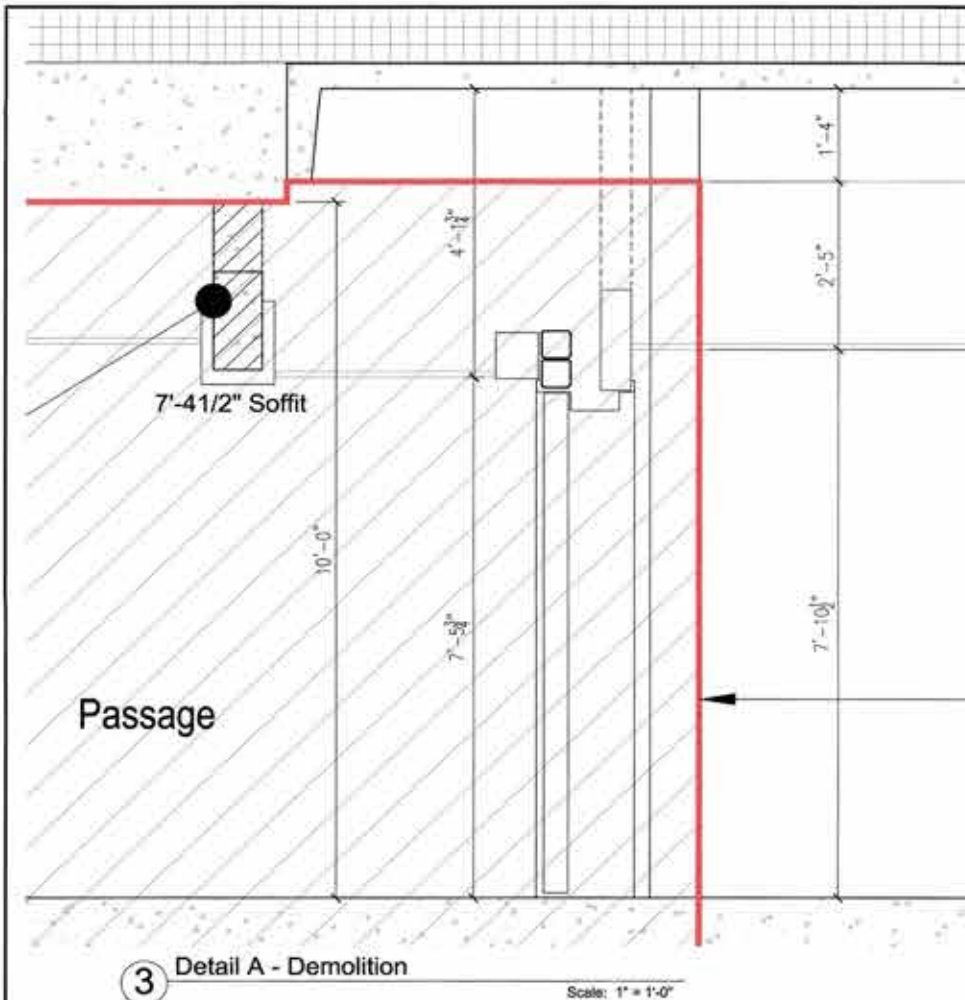
Site - Durham, NC, USA



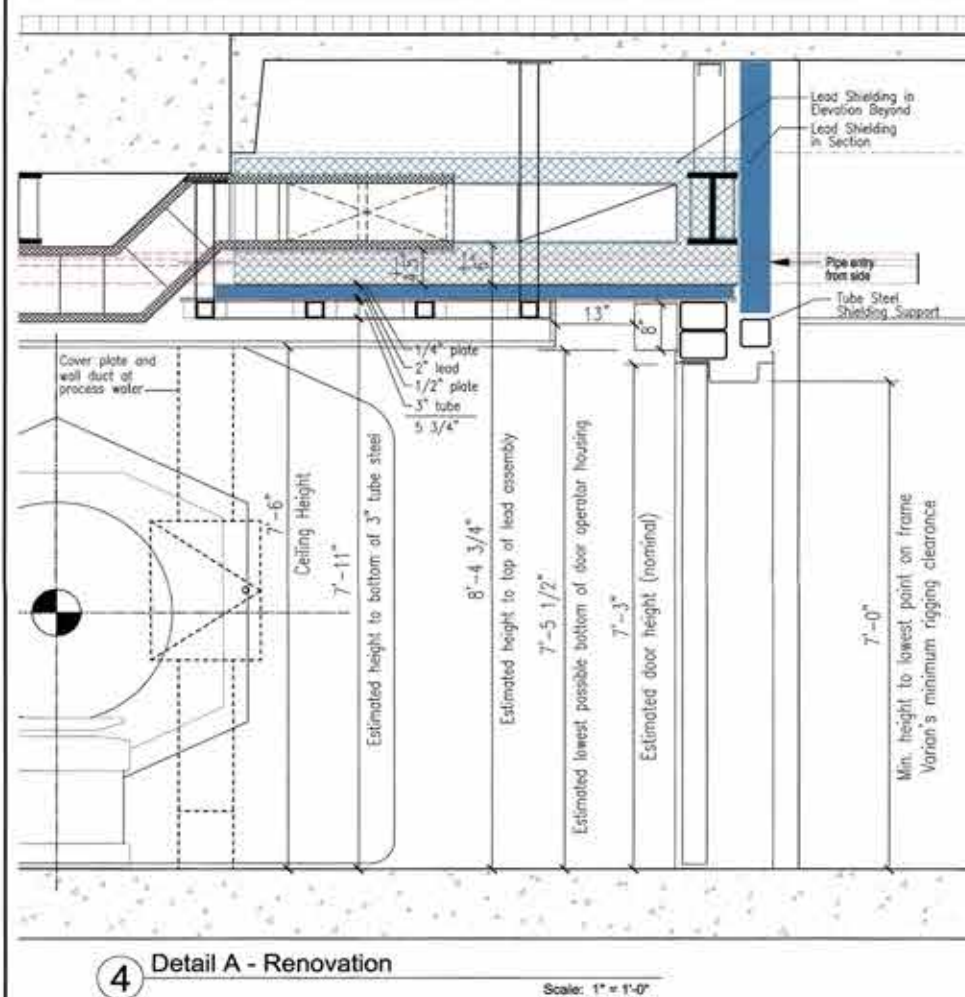
2 Concrete Slab Renovation Plan
Scale: 1/2" = 1'-0"



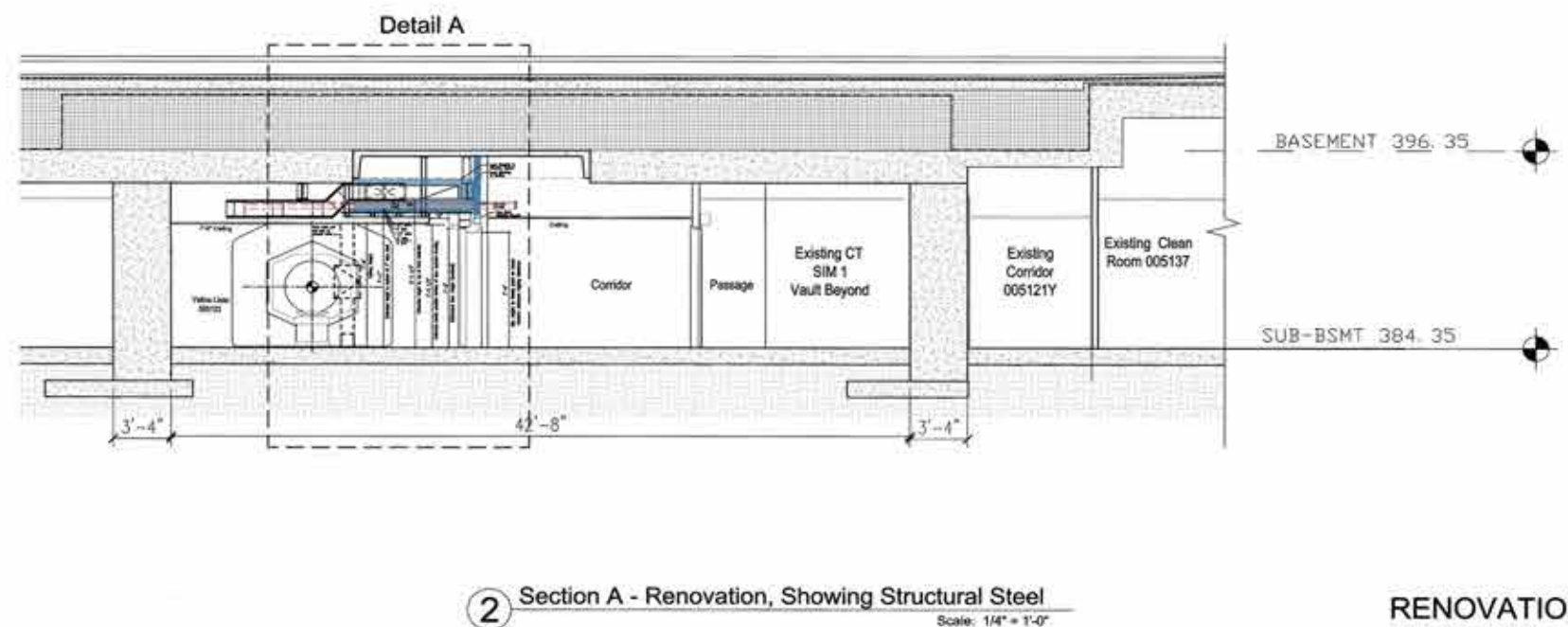
1 Renovation Floor Plan
Scale: 1/2" = 1'-0"



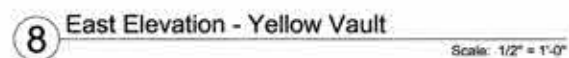
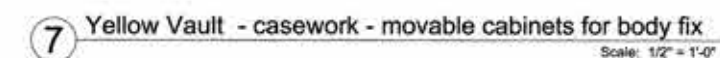
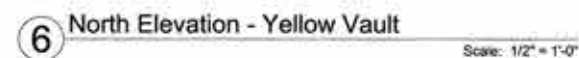
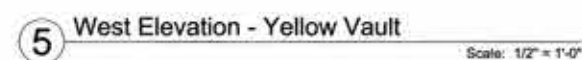
DEMOLITION



NOTE:
Structural Steel, Foundations and Concrete Slab
(See Structural Drawings)
Steel Fire Proofing provided by Intumescent Coating
See Sheet A0.5 for UL Rated Details



RENOVATION

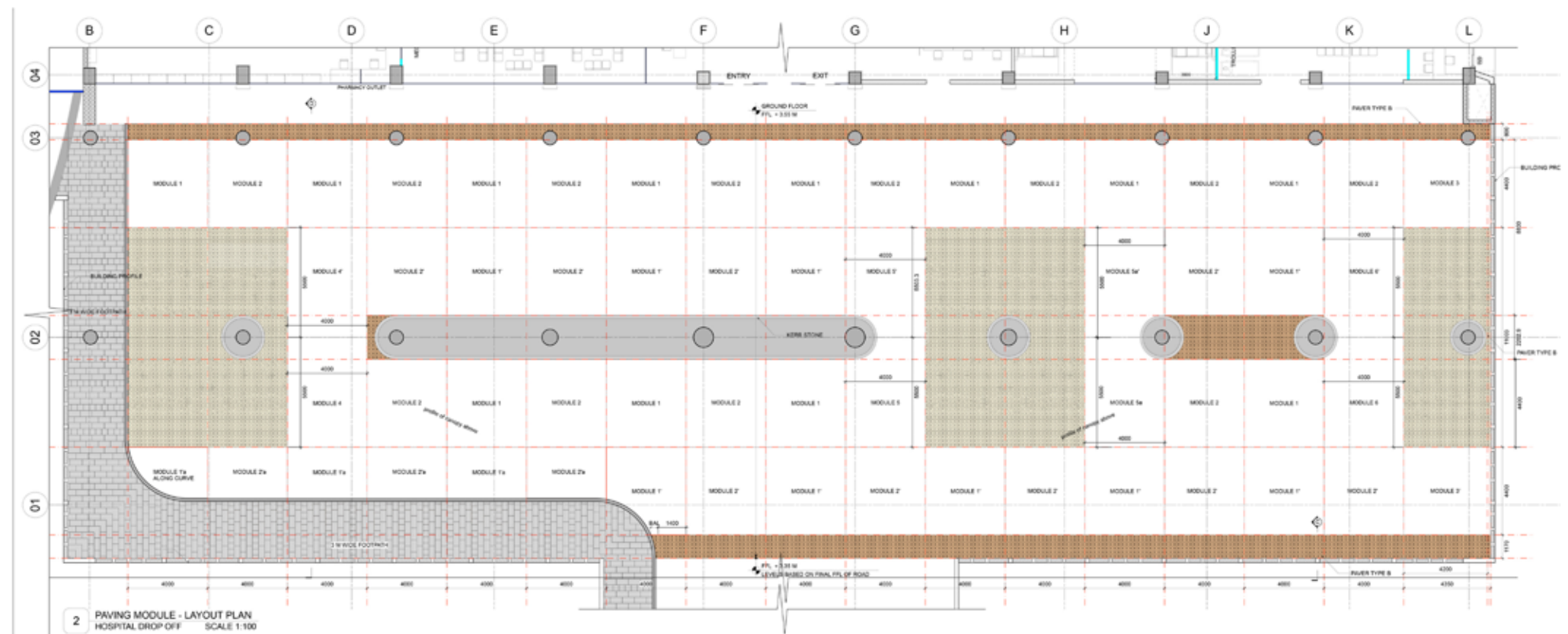


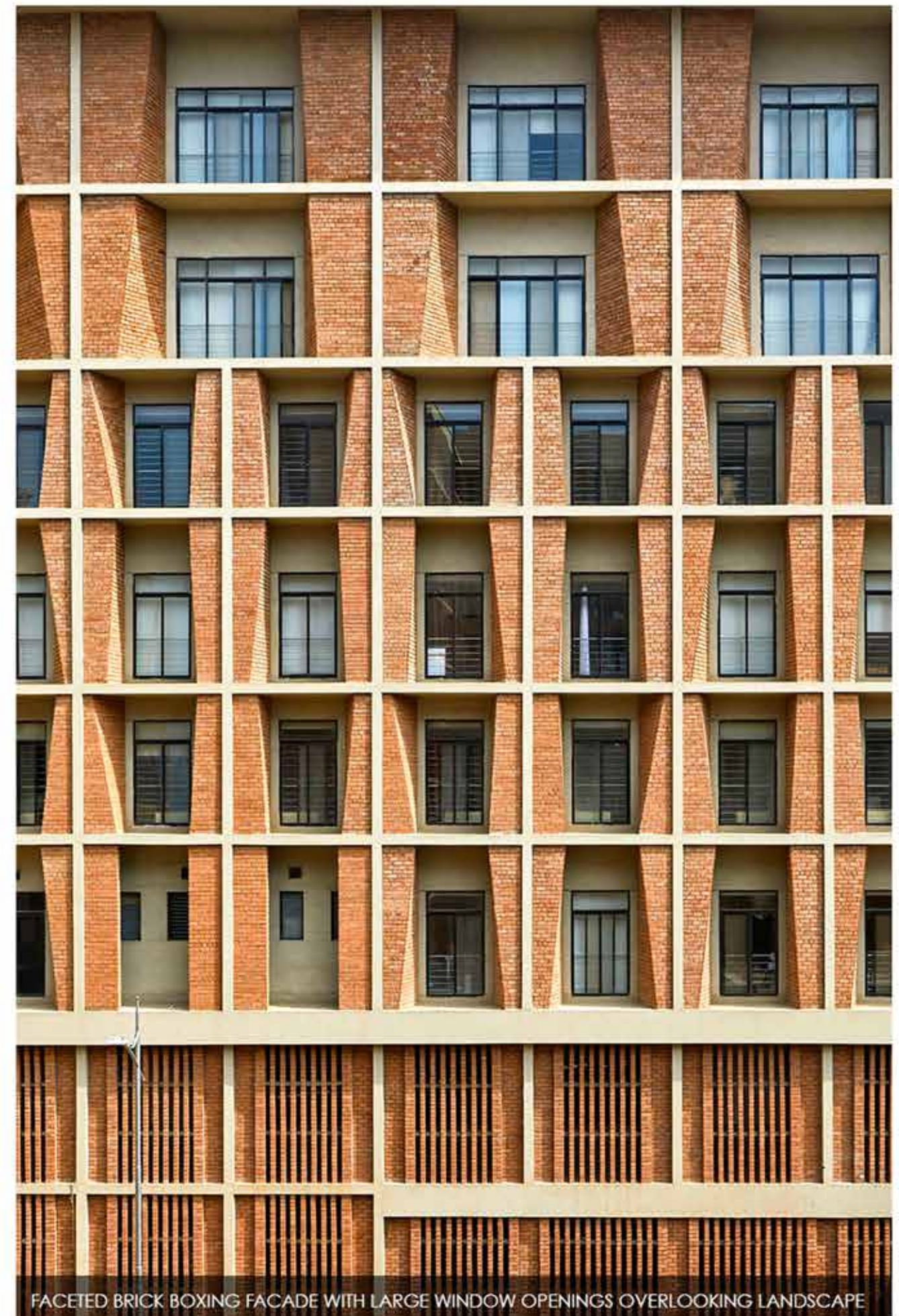


Article - <https://www.architectmagazine.com/project-gallery/symbiosis-university-hospital-and-research>

Sitting along a slope, the building is strategically positioned to minimize the cut-and-fill of the hill site. Planned as a robust curve along the contours of the land, it forms the façade of the project

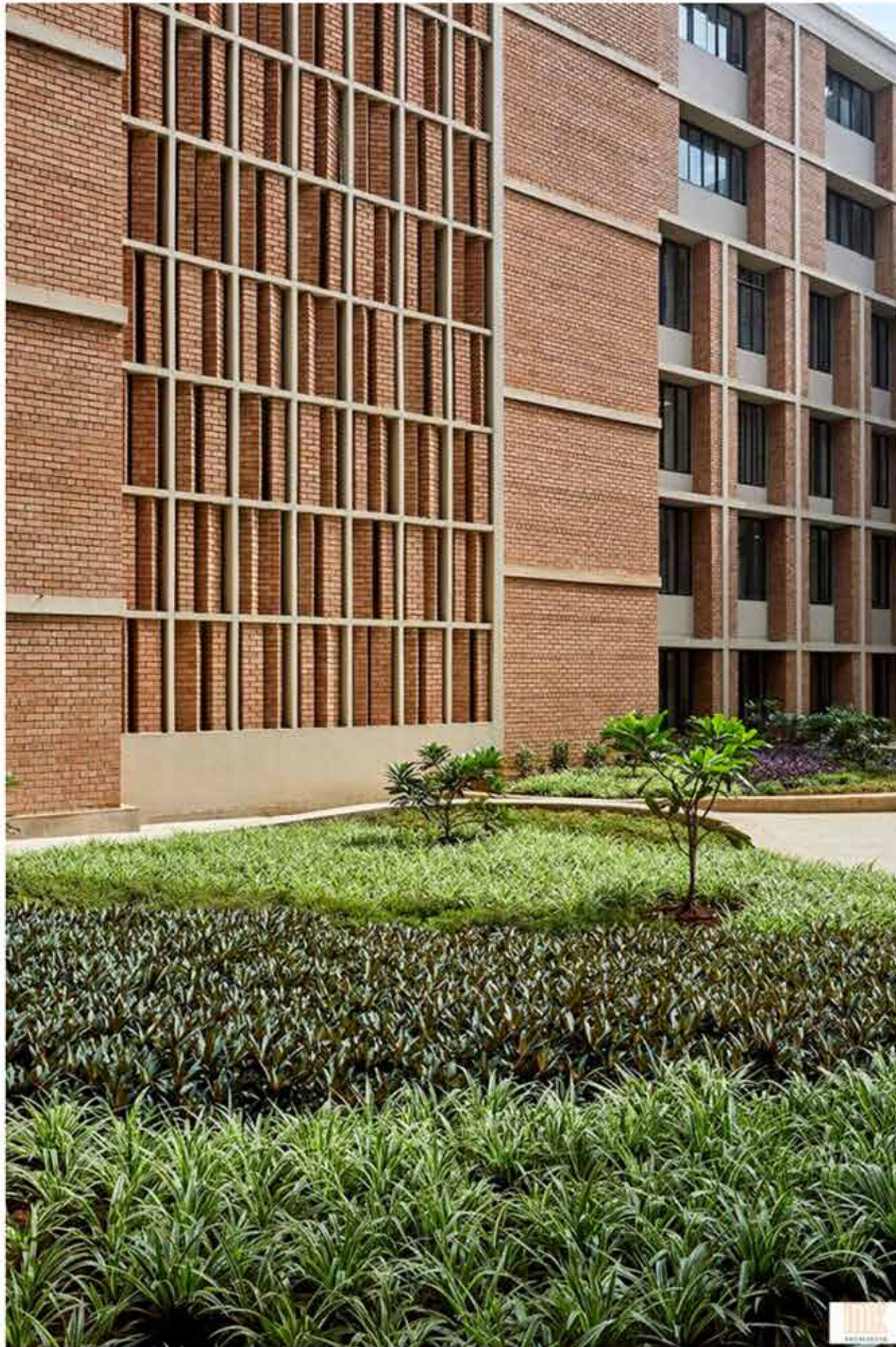
This 216 Bedded Hospital provides state of the art 5 Operation Theatres, equally well equipped 22 ICU units. The Radiology department offers MRI, CT, X-ray, Fluoroscopy, BMD, and other scans. A dedicated Cardiology department with Cath Lab facility, Kidney dialysis with nine beds, separate Gynaecology Department with an independent OT ..Facility



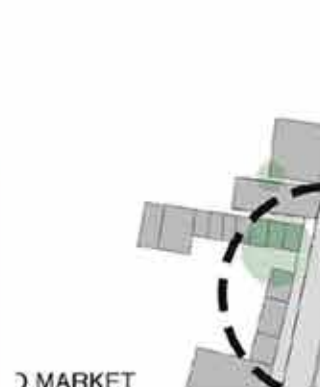
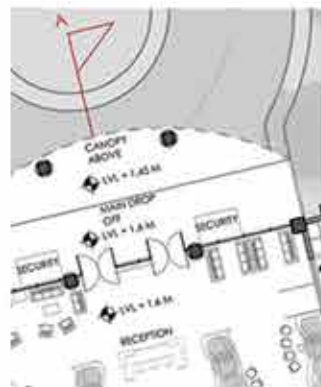


FACETED BRICK BOXING FACADE WITH LARGE WINDOW OPENINGS OVERLOOKING LANDSCAPE

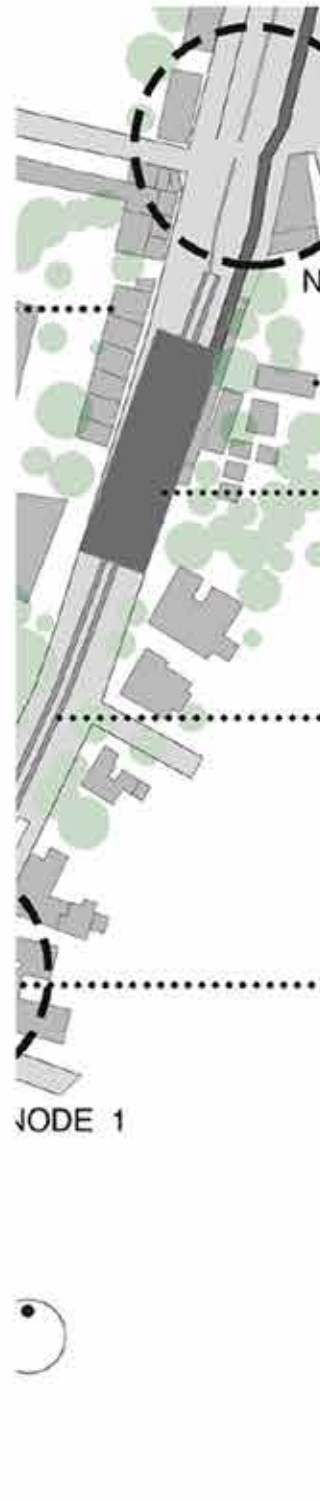




The main central courtyard not only brings in the above features but also makes the space aesthetically pleasing, soothing to the eye creating a calm oasis. The space is completely transformed, unlike any regular hospitals, which are much mundane, completely air-conditioned spaces without any daylight & natural ventilation in significant areas. This also helped in simplifying the way-finding in the building, which otherwise in other hospital projects is a complicated affair for the users adding to their trauma in searching spaces/ departments within the structure.



ACADEMICS



4. ARANYA - BIRD SANCTUARY
(Honorable Mention in AIA Student Award)
Year : 2022
Type : Studio
Professor : Prof. Ar. Thomas Brock

5. MIXED HYBRID HOUSING
Video link : <https://youtu.be/iX72i0DCYlo>
Year : 2021
Type : Studio (housing)
Professor : Prof. Ar. Andy Metter
Prof. Ar. David Brininstool



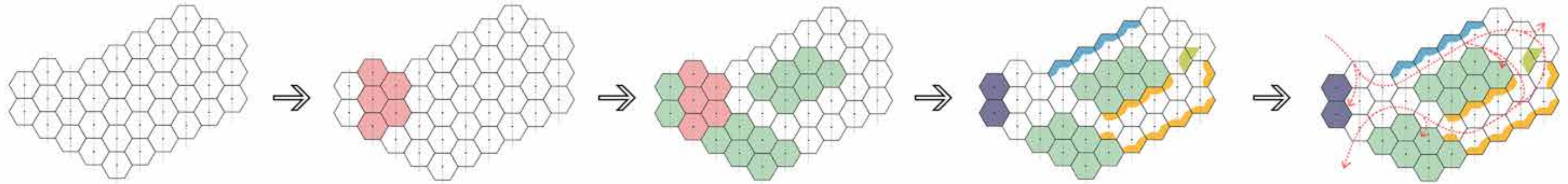
6. A HEALING PRESENCE
Year : 2019
Type : Graduate thesis (Hospital)
Professor : Prof. Beena Santosh

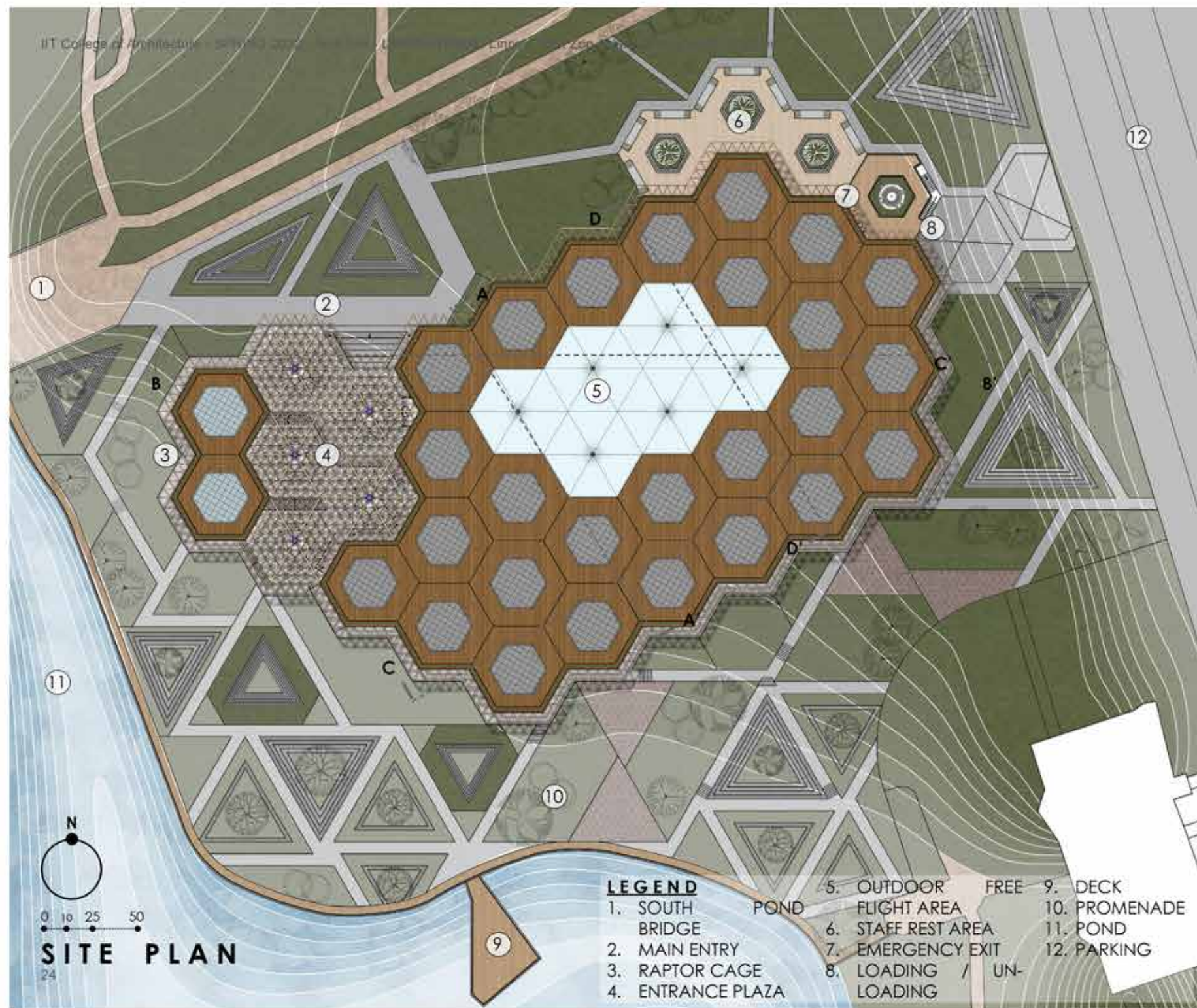
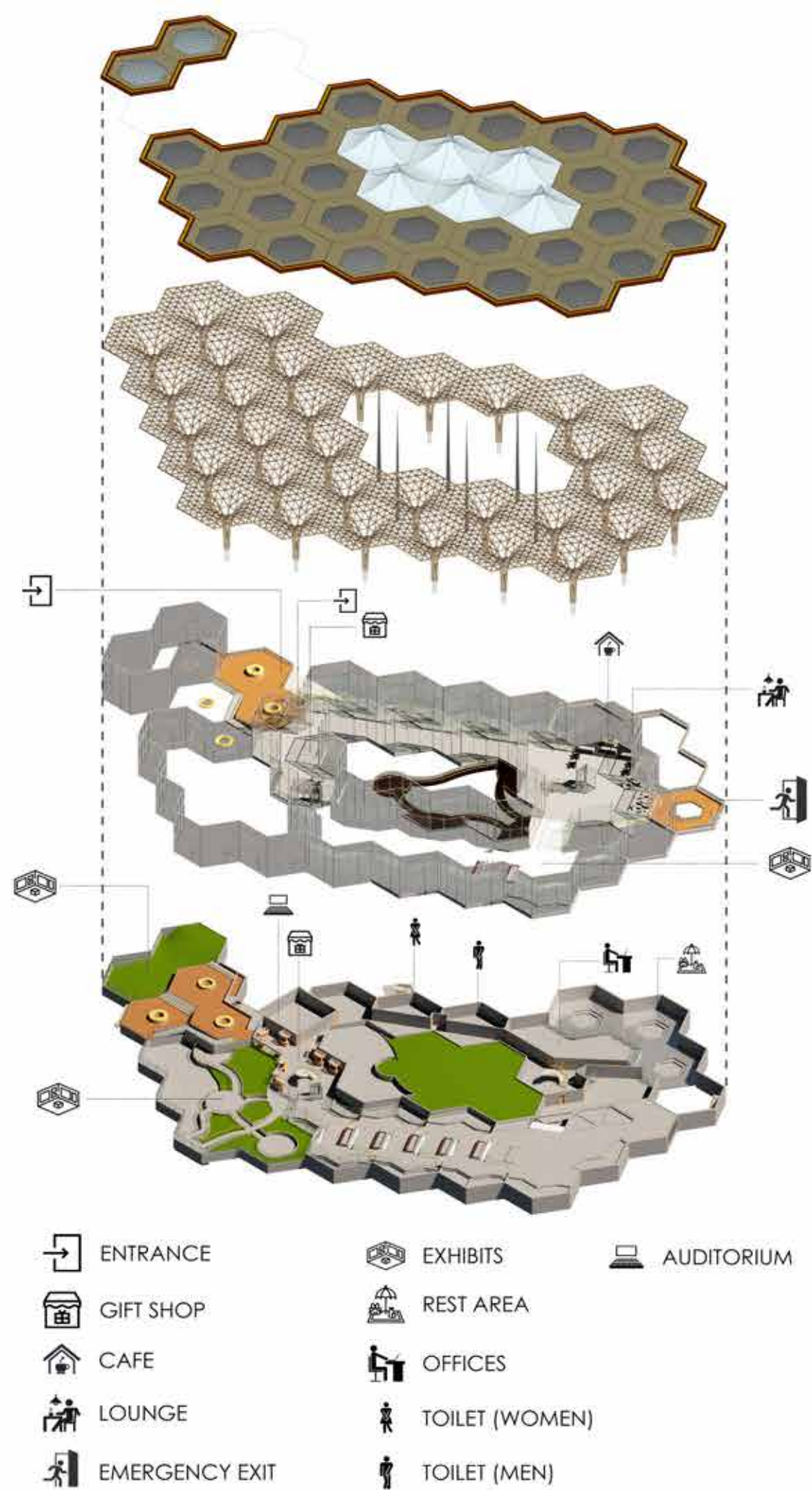
7. MONORAIL STATIONS OF MUMBAI
Year : 2017
Type : Urban Design workshop (Research)
Professor : Ar. Ratan Batliboi

Aranya - Bird Sanctuary

Site - Lincoln Park, Chicago, Illinois

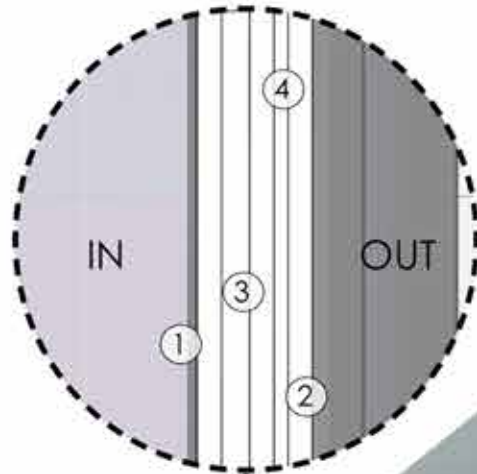
Diaphanousness or weightlessness is one of the key concepts that we are engaging with. The idea of lightness is conceived is with the notion of the grove of trees which are then abstracted into a forest. Geometry, orientation and hierarchy of spaces are carefully thought of in terms of planning





LEGEND

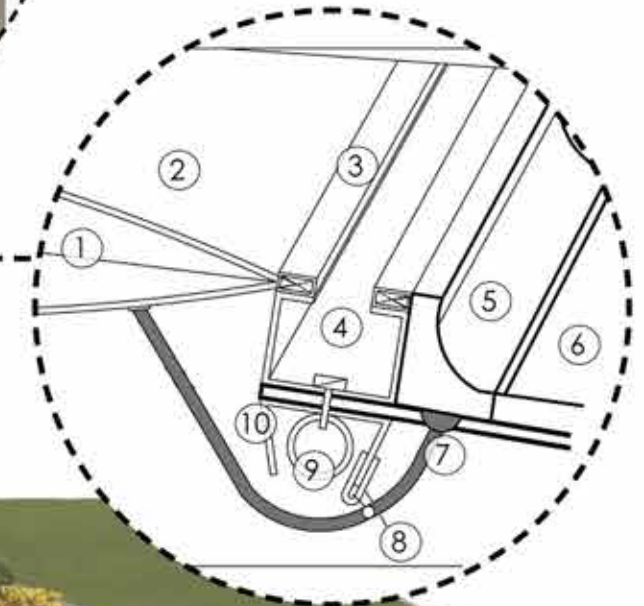
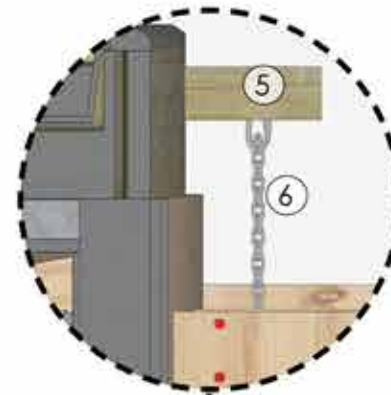
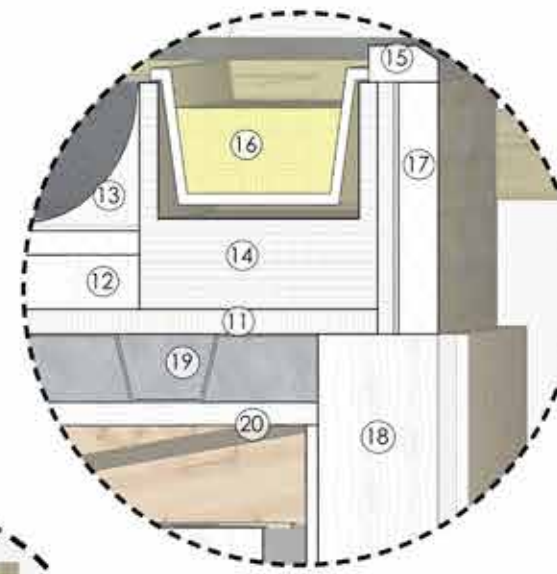
- | | | |
|------------------------|------------------------|---------------------|
| 1. FLEXI SOLAR | 8. CLAMP | 15. COPING |
| 2. TRIPLD LAYERED ETFE | 9. HOLLOW STEEL ROD | 16. PLANTER SOIL |
| 3. STEEL FRAMING | 10. STEEL FRAME | 17. 1" WOOD PANEL |
| 4. TRIPLD LAYERED ETFE | 11. 3/4" THK. PLYWOOD | 18. EDGE BEAM |
| 5. PARAPET FLASHING | 12. 2" THK. INSULATION | 19. 3" THK. DECKING |
| 6. MEMBRANE ROOF | 13. PARAPET FLASHING | 20. 1" THK. CEILING |
| 7. AIR DUCT | 14. CERAMIC HOLDER | |

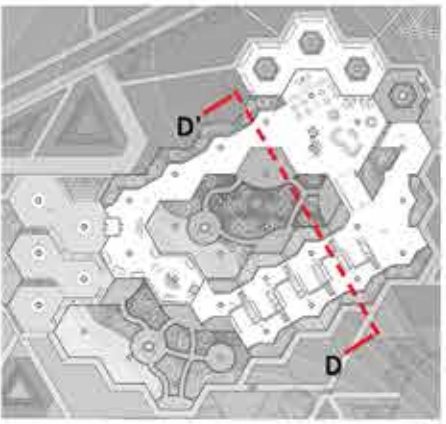
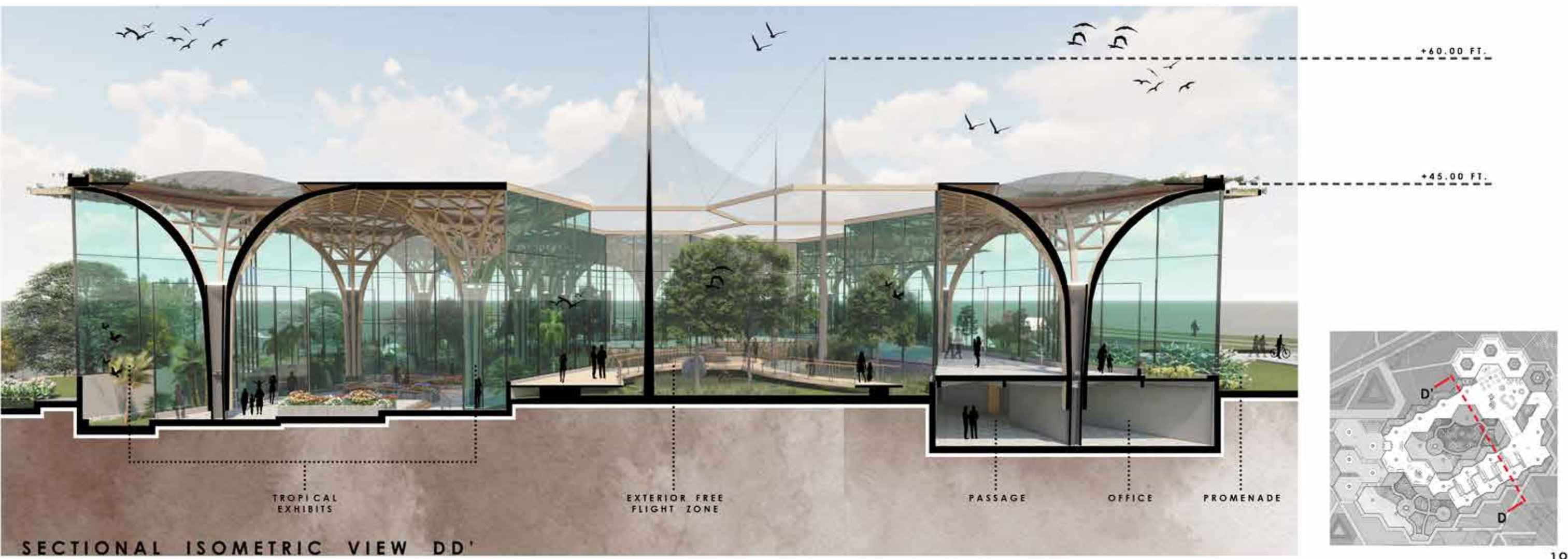
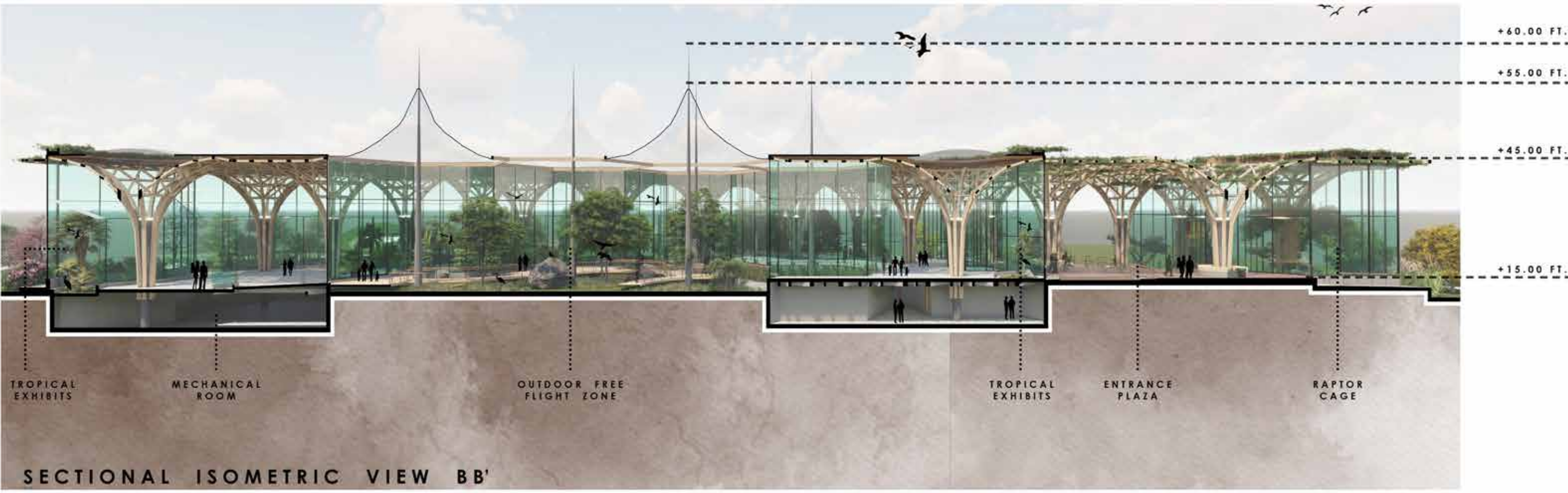


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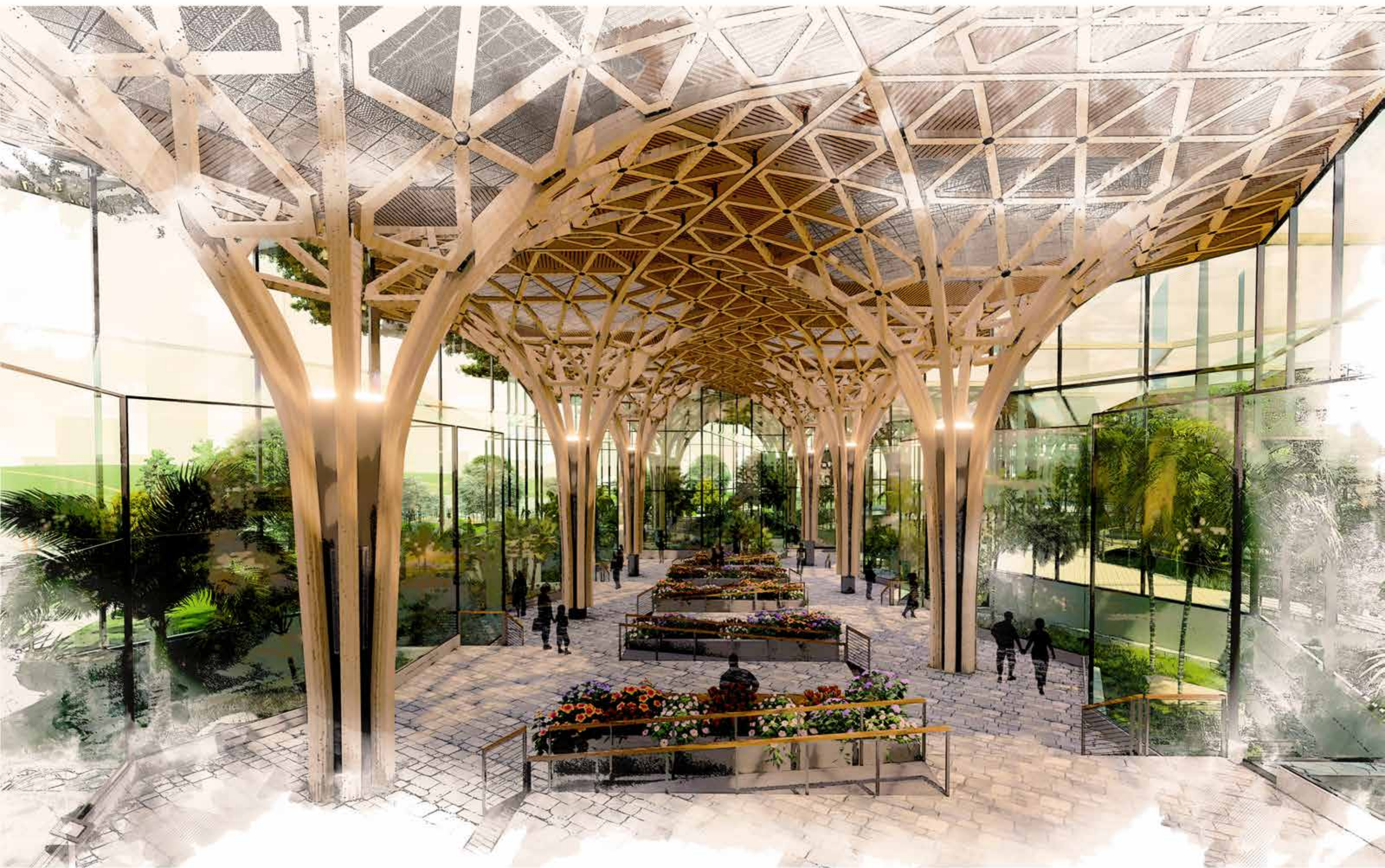
- | |
|-----------------|
| 1. GLASS (R-5) |
| 2. GLASS (R7-9) |
| 3. ARGON GAS |
| 4. VACUUM |

- | |
|------------------|
| 5. SCUPPER PLATE |
| 6. RAIN CHAINS |









Mixed Hybrid Housing

Site - wabash Ave Downtown, Chicago, Illinois



"Porosity" word is used to define the permeable edge between the programs of the building. It is here where the boundaries between different public and private spaces are blurred and redefined. To break down the density of a single building mass, different pods of activities such as rooftop, gardens, cafes, hostel blocks are attached on the west and the south façade of the building. Flow and Absorption of spaces into each other such as combining the hostel spaces, residential micro units and shared amenities on a single floor plan. Connecting the open spaces vertically on the façade to increase the accessibility is another attempt to experiment porosity within the program. A skin is used to cover the main building block. The skin is what interacts with the world at large. Different elements such as sun, wind, noise etc would determine the types of screens to be used on each façade and floor levels of the building. The skin would be a linking and separating element between inside and outside.



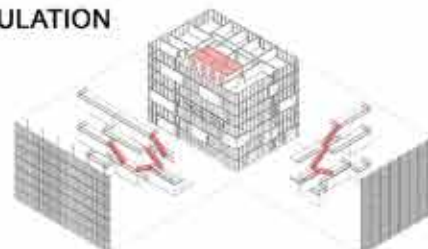
SITE



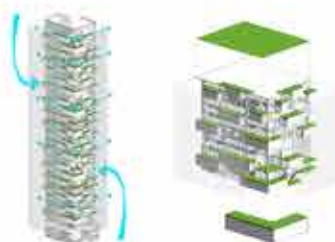
GEOMETRY



CIRCULATION



SYSTEM



ENTRANCE



ENCLOSURE



PROGRAM

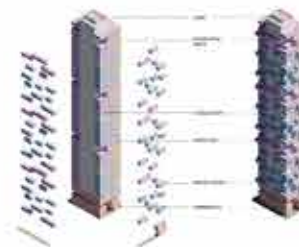


FIGURE GROUND



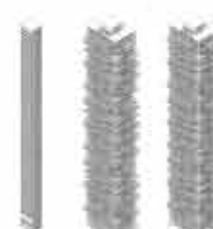
UNITS



MASSING

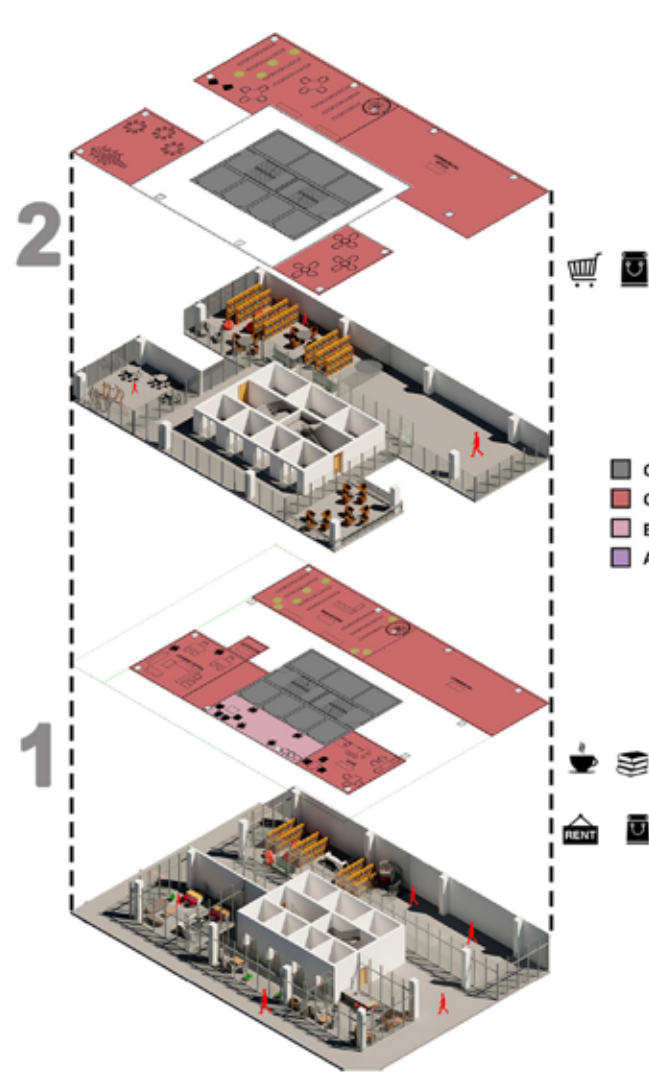


STRUCTURE

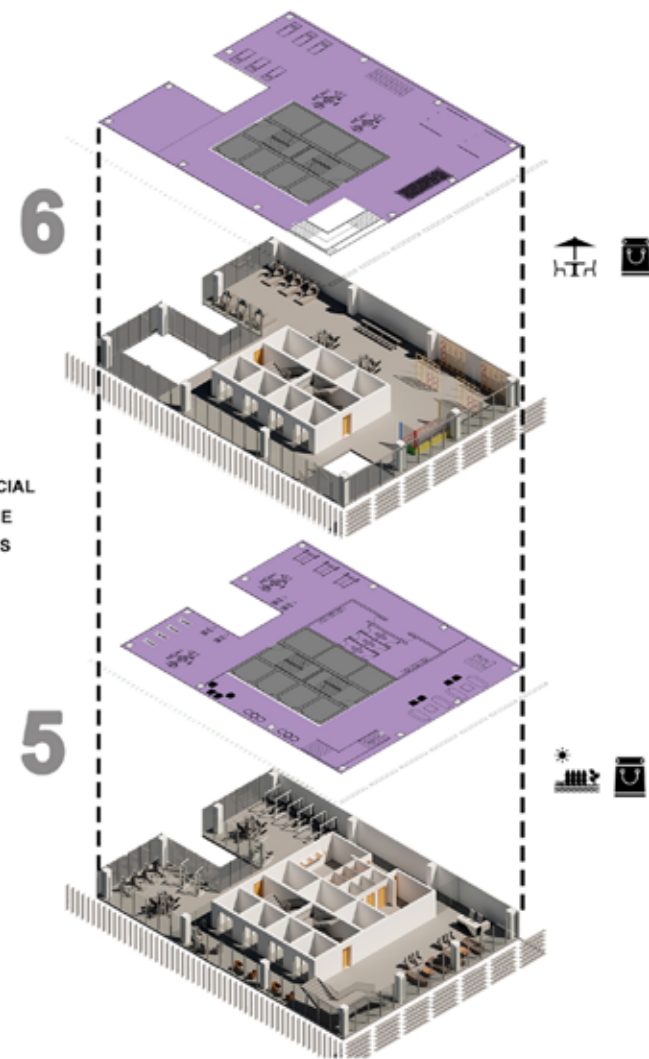


UNIT TO WHOLE

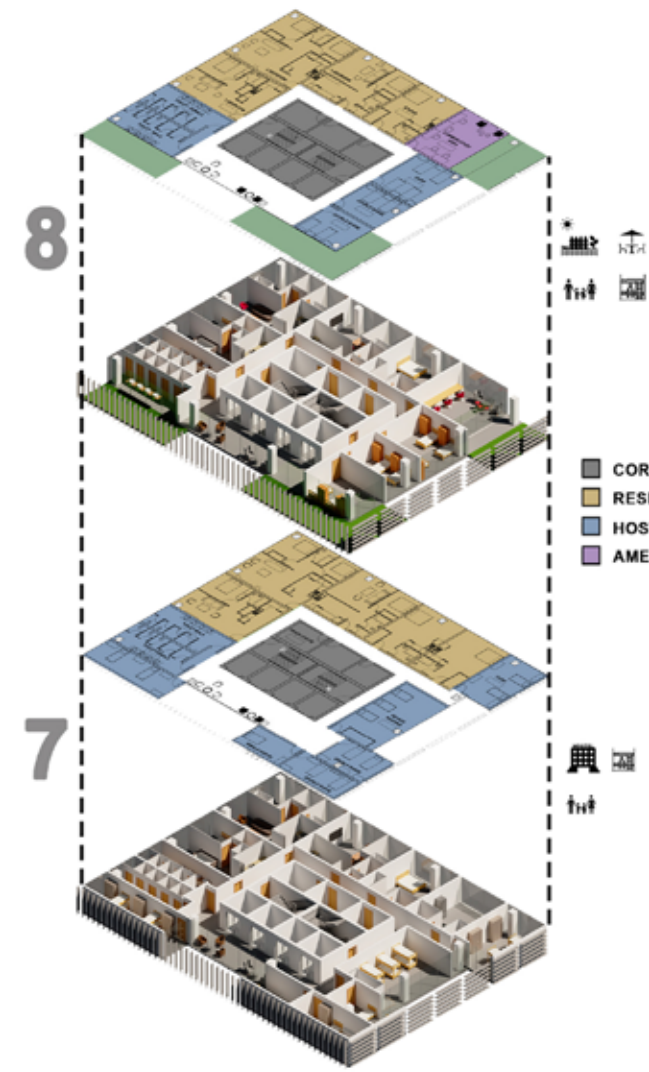




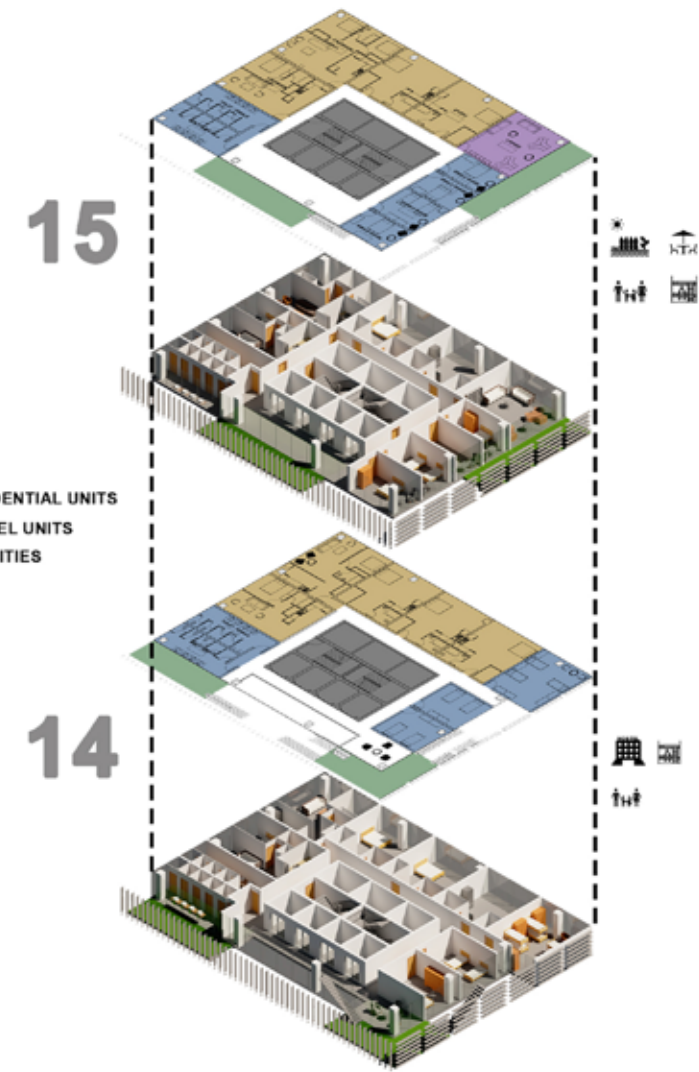
COMMERCIAL LEVELS



AMENITY LEVELS



RESIDENTIAL LEVELS



RESIDENTIAL LEVELS



TWO BEDROOM UNIT



ONE BEDROOM UNIT



STUDIO



HEXADE SHARE
HOSTEL UNIT



DOUBLE SHARE
HOSTEL UNIT



LEVEL 7



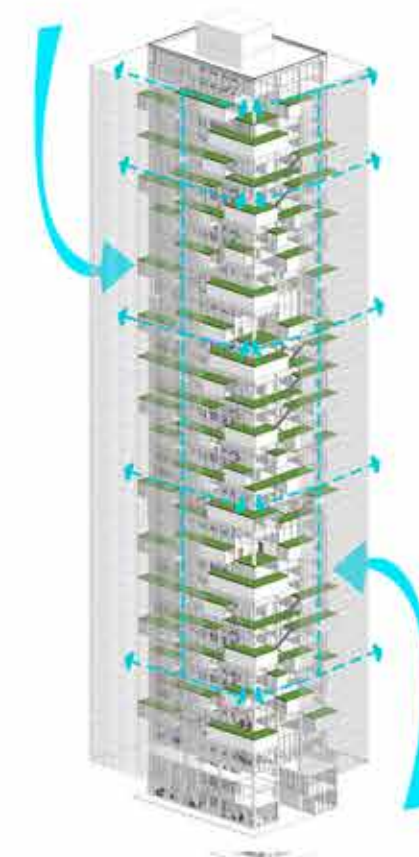
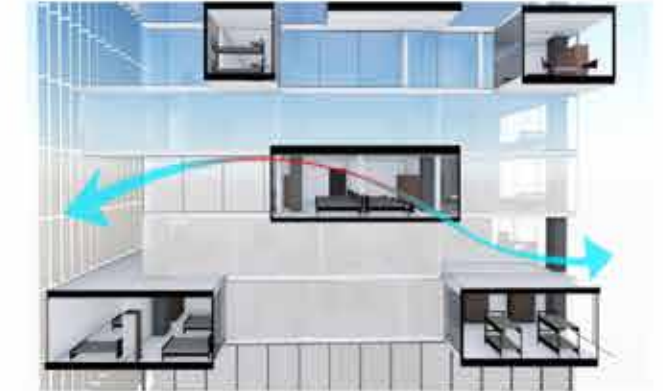
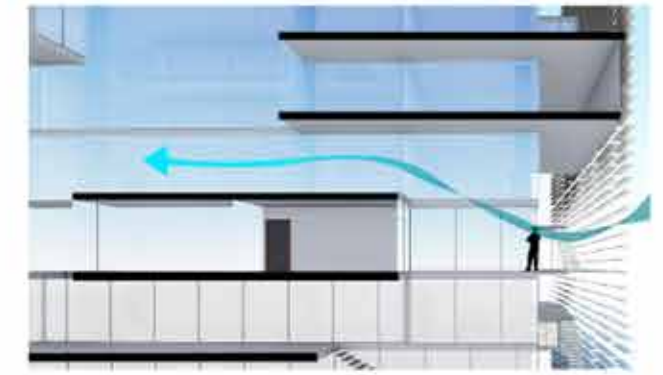
LEVEL 8



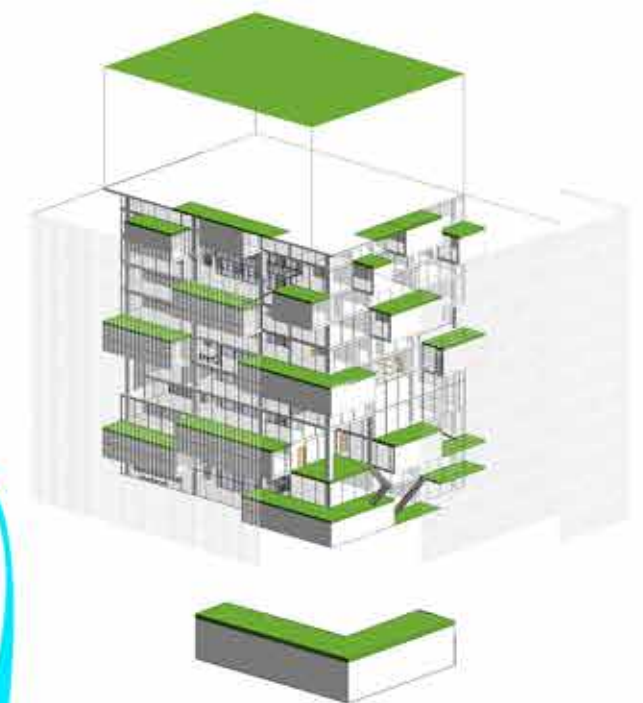
LEVEL 14



LEVEL 15



AIR CIRCULATION FROM BOTH FACADE
(WEST AND SOUTH)



PODS WITH GREEN ROOF REDUCING THE
HEATING EFFECT





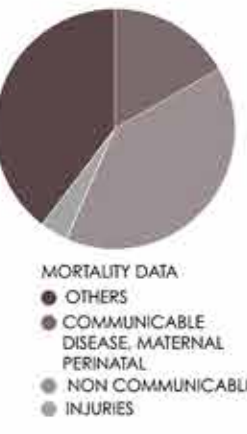
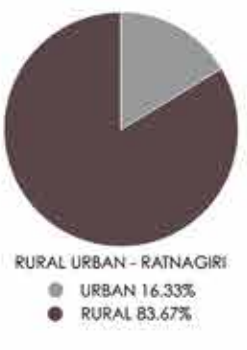
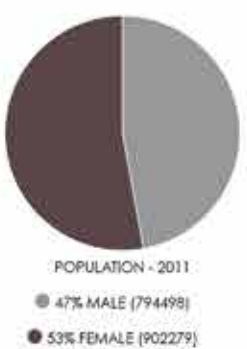
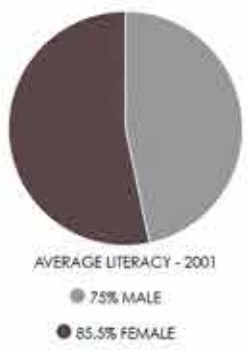
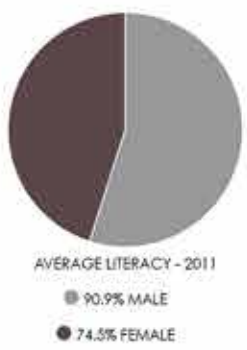
06 A HEALING PRESENCE - A 200 BEDDED GENERAL HOSPITAL

.Site - Ratnagiri, Maharashtra, India

Location



Nearby hospitals

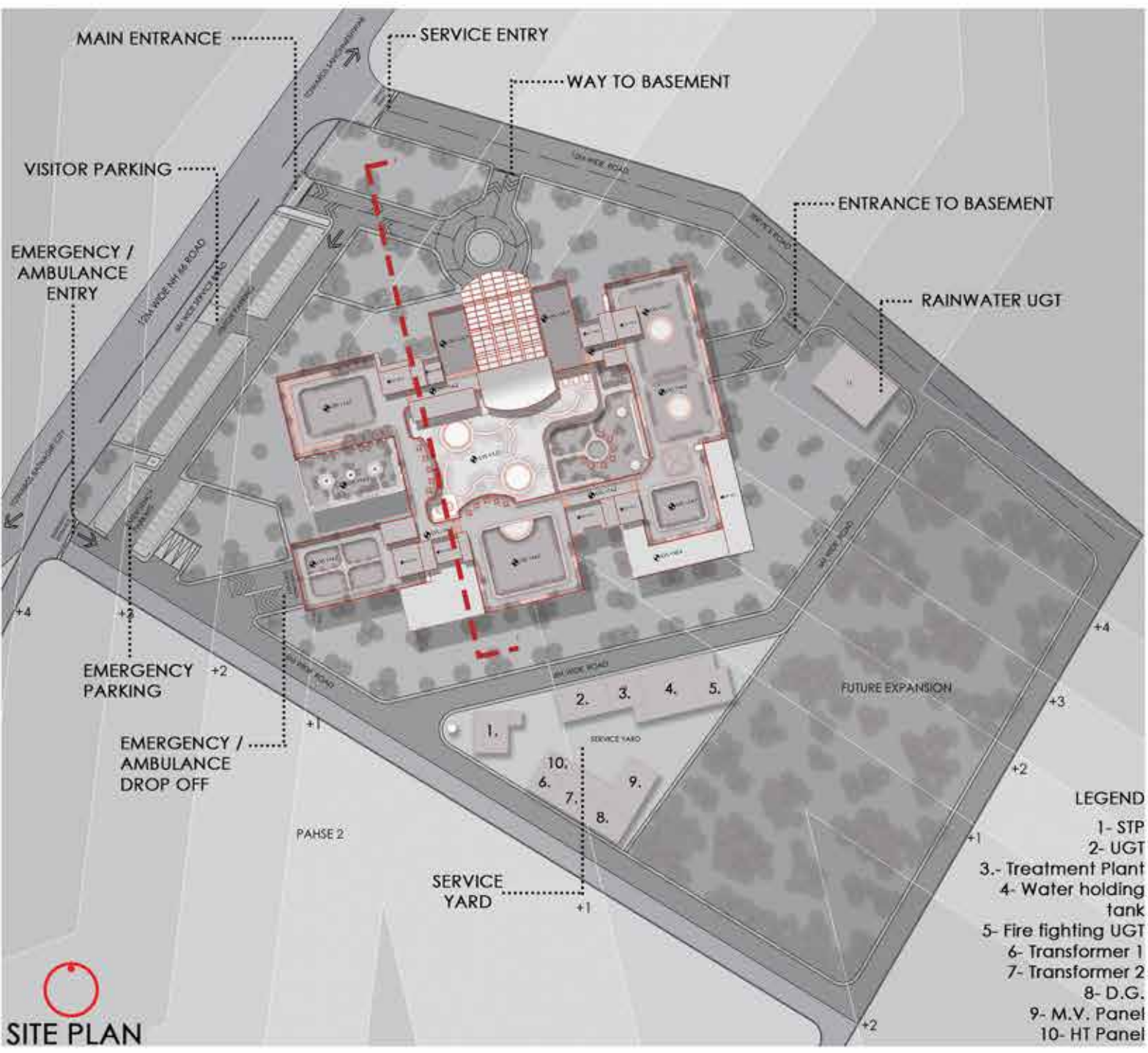
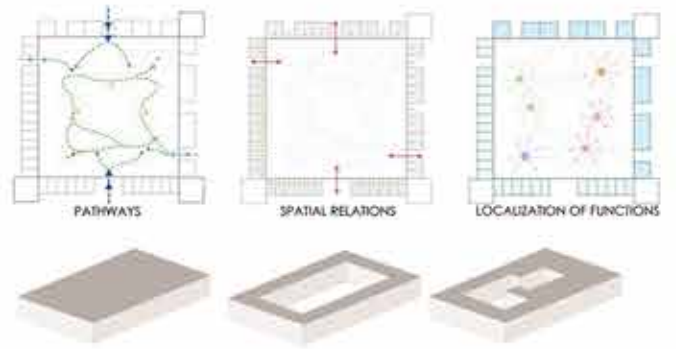


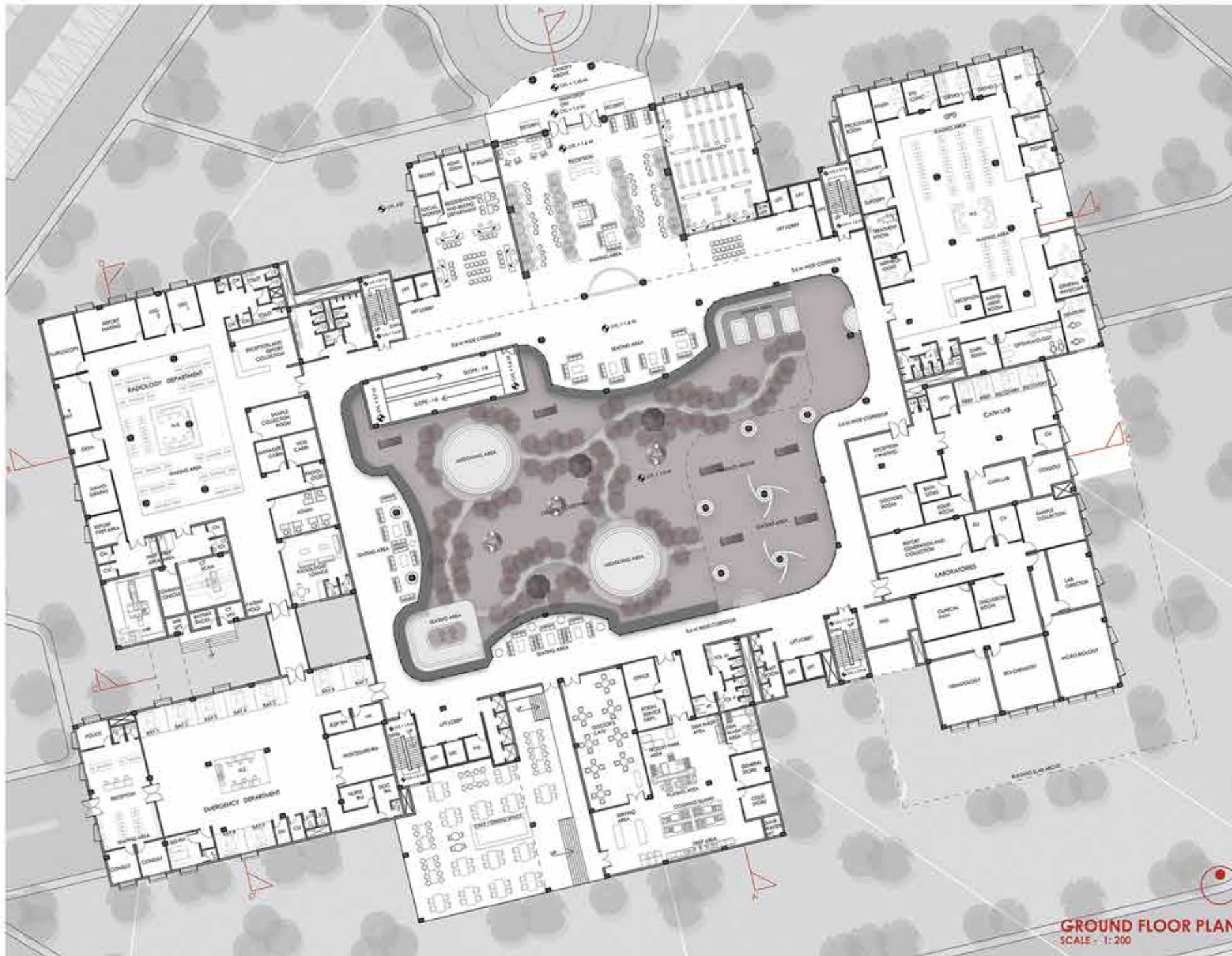
AIM : To propose a 200 bedded General hospital with a medical college campus. Thereby, reducing the mortality rate of the district due to lack of availability of medical services in time. To provide allied facilities like school, residence, entertainment and sports facilities for the doctors and students of the health care campus.

This thesis gives an opportunity to study hospital architecture in order to understand its complex planning and functionality of each room and also to understand how the elements of healing architecture are used in the functional planning of a hospital. This study is an attempt to make hospitals as a positive and sacred space for healing rather than only a place related

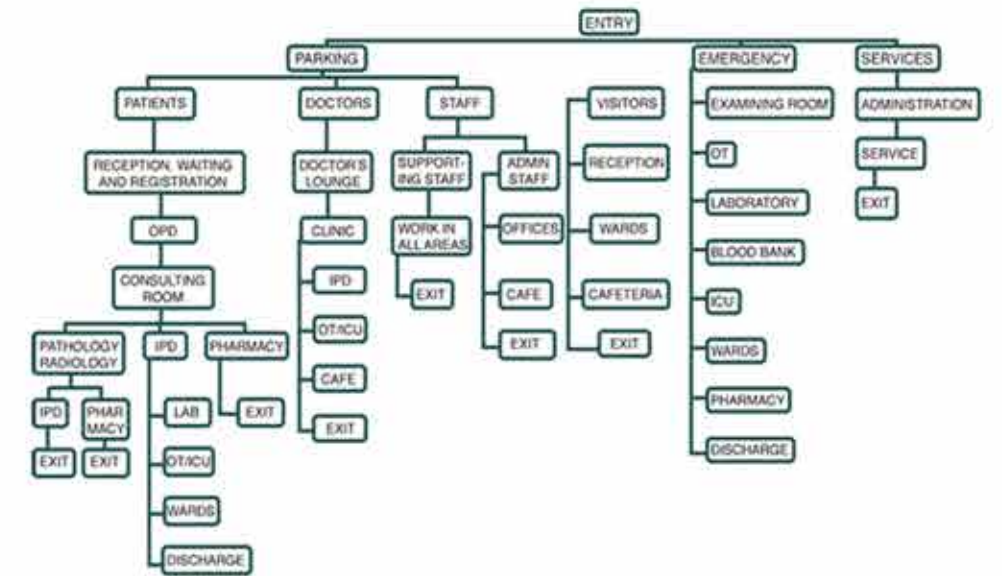


Hospital Typology - Campus and checked Courtyard Typology



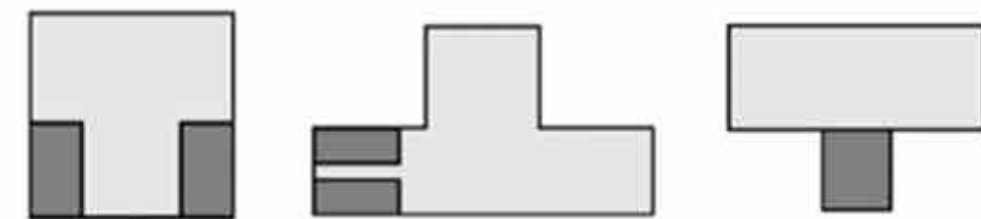


A clear, easy to cognize pattern, is helpful to set up a sense of control over the surroundings and safety feeling; Planting bed provides transition between public gathering area at the right and more intimate seating areas at the left. Central courtyard with meditating spaces



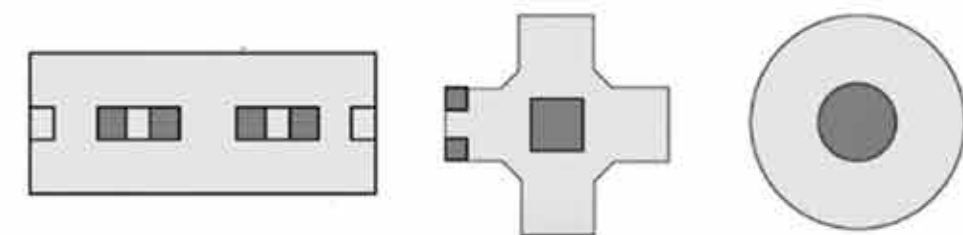
View below shows an aerial view from the bridge on the first floor overlooking the entrance atrium on one side and the central courtyard on the other side. the pockets creating interactive spaces working as healing spaces and also acting as light giving spaces.





NIGHTINGALE/ PAVILLION WARD

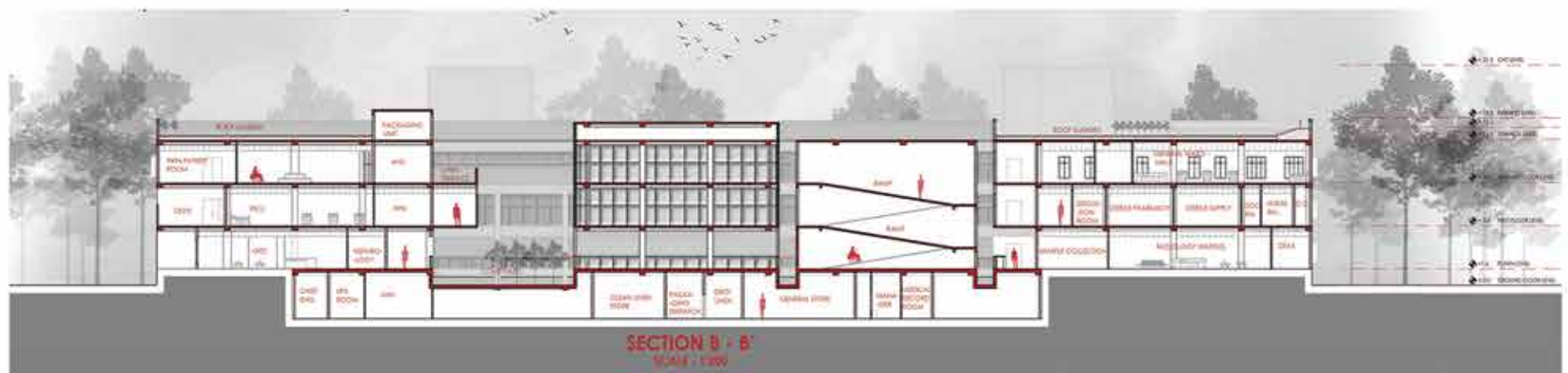
T - SHAPED
WARD



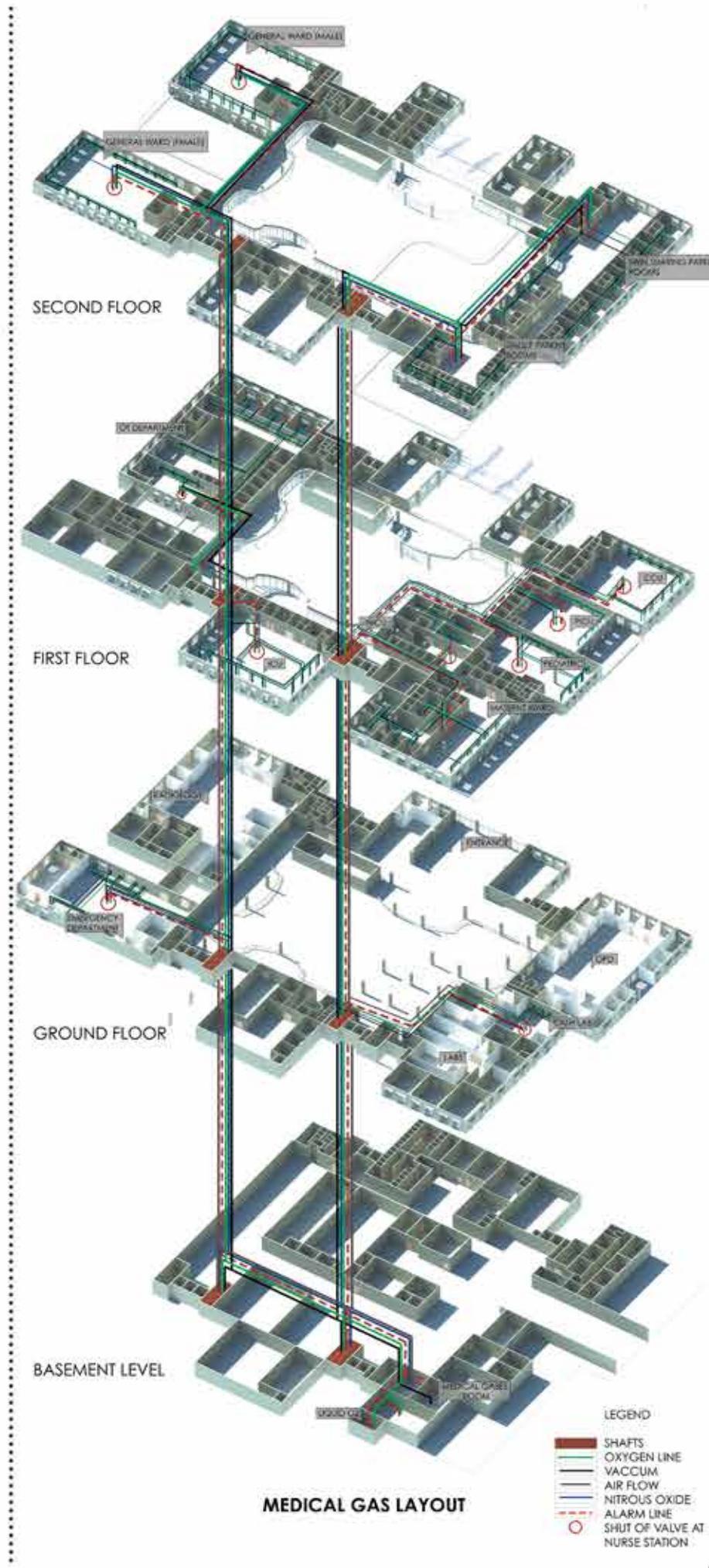
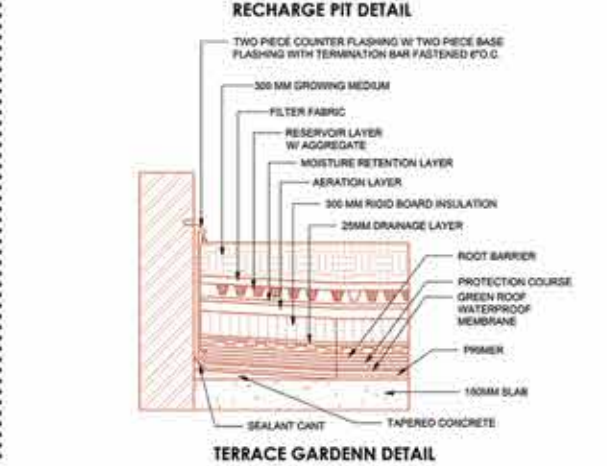
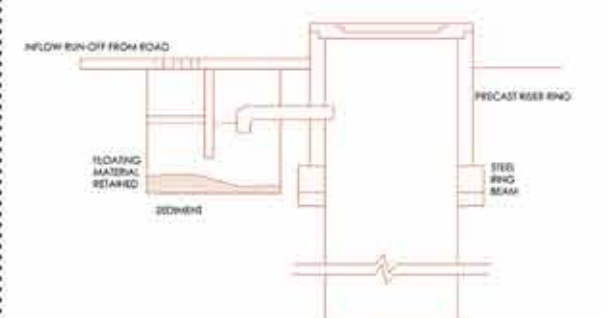
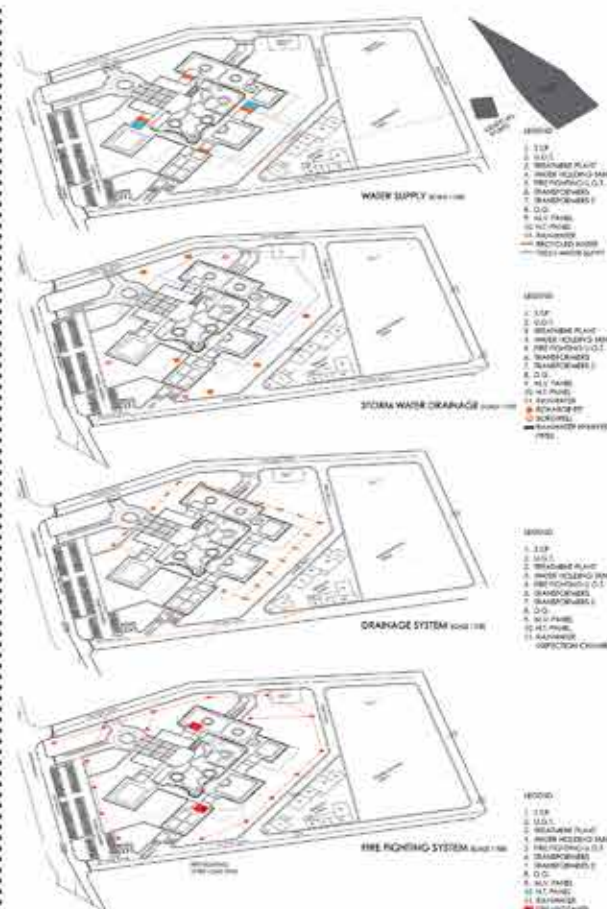
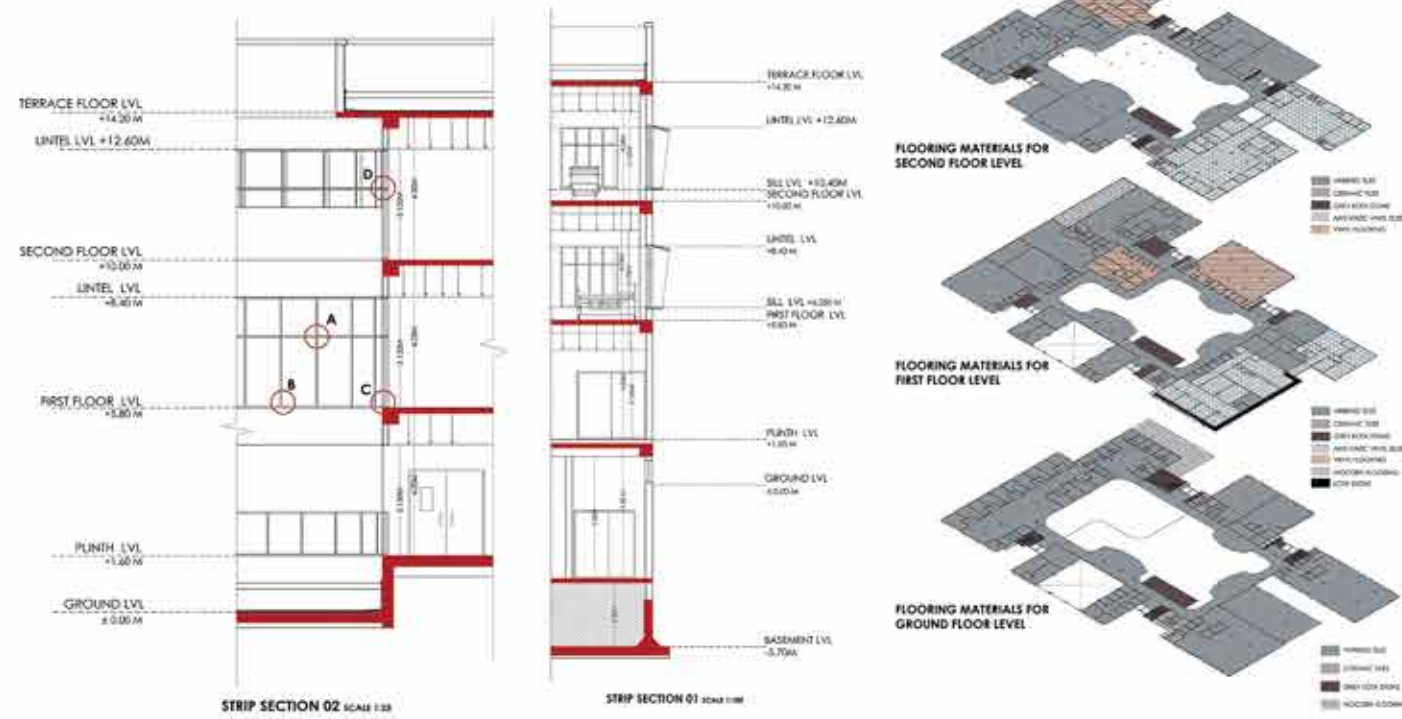
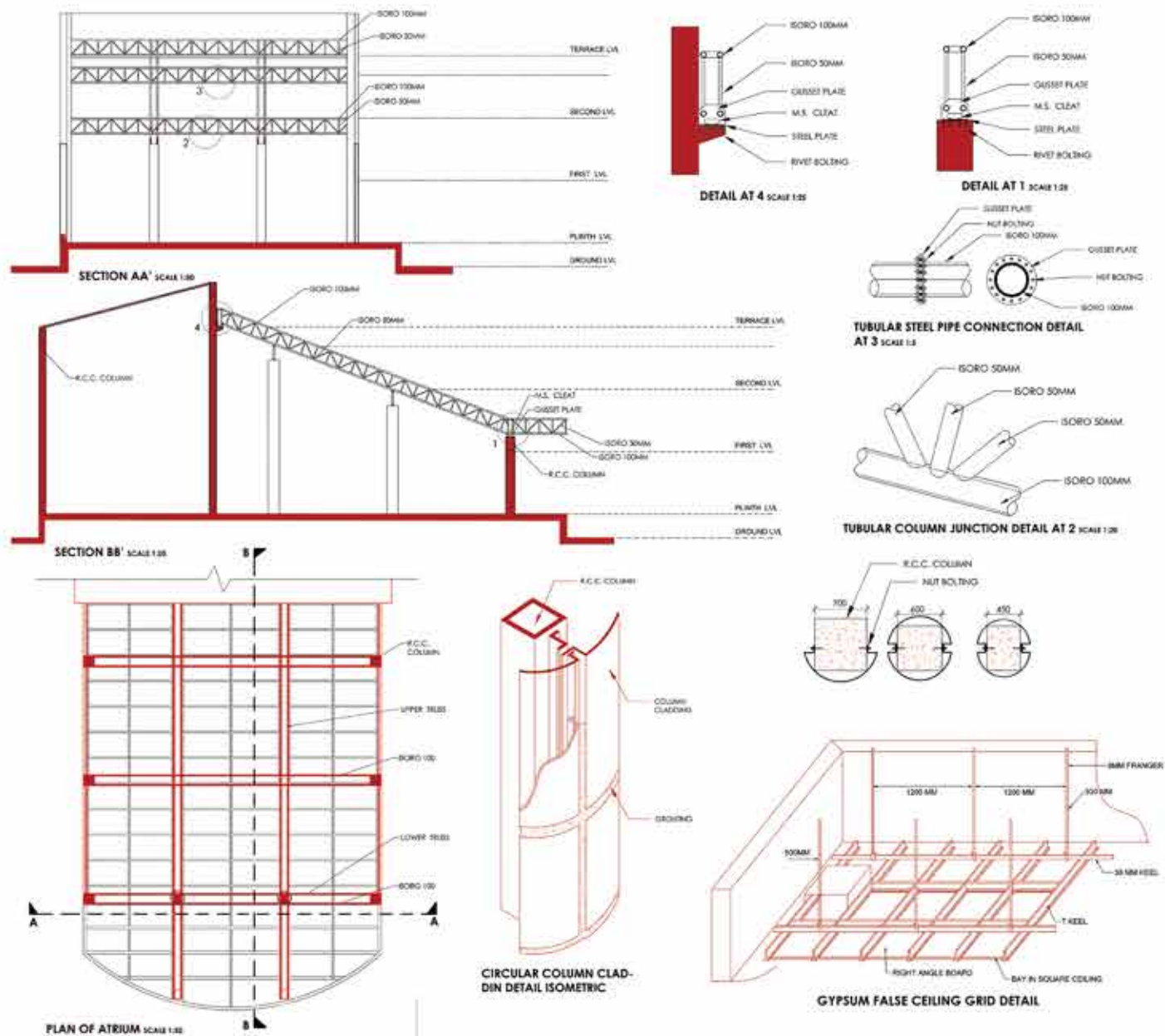
COURTYARD TYPE
WARD

CRUCIFORM
WARD

CIRCULAR
WARD







07 URBAN DESIGN PROJECT FOR MONORAIL STATIONS

Site - Mumbai, Maharashtra, India



EXISTING FABRIC

FEATURES OF CHEMBUR MONORAIL STATION:

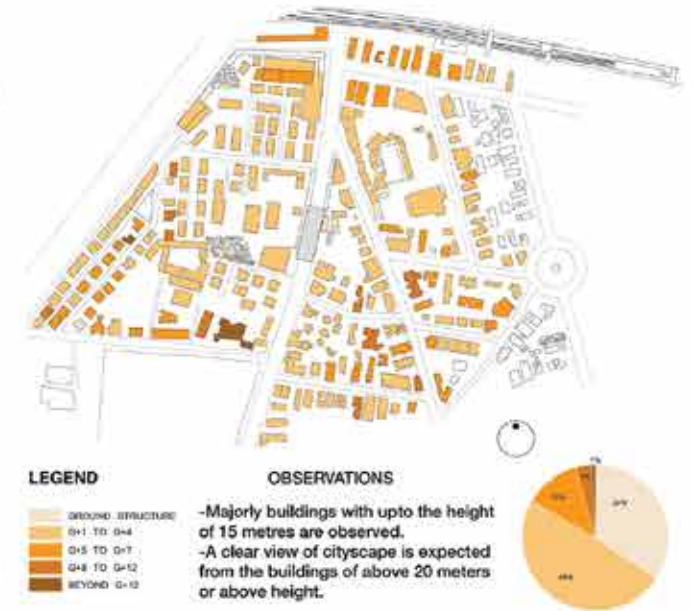
1. 300 M offset mainly consists of residential and commercial buildings.
2. Open spaces like ground and green areas are limited. Private gardens of societies are the only open spaces.
3. New residential projects, SRA projects are coming up.
4. A strong gated community known as Deolwadi is in immediate surrounding with the monorail station.
5. Major commercial hub with formal and informal market is found in immediate surrounding.



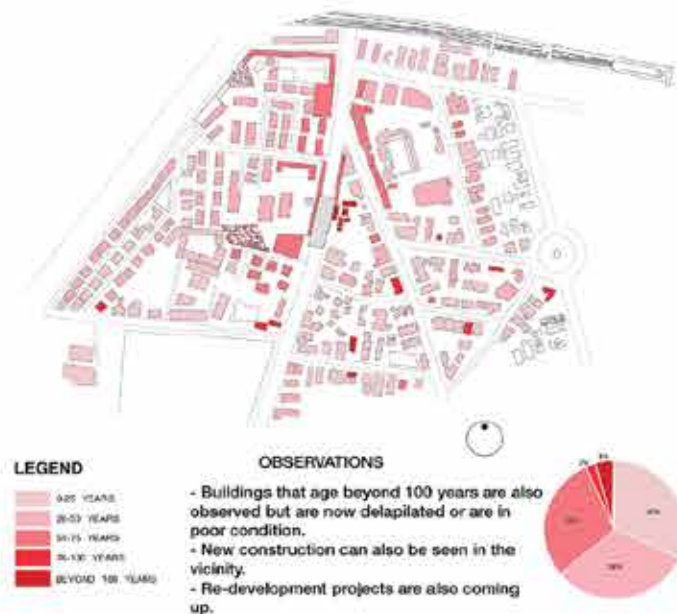
FIGURE GROUND



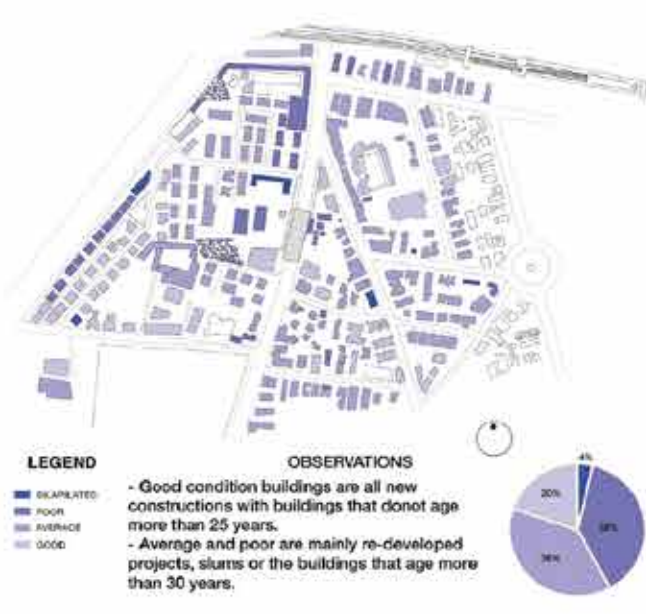
EXISTING BUILDING USE



BUILDING HEIGHTS



BUILDING OWNERSHIP OF THE SURROUNDING



BUILDING CONDITION

OBSERVATIONS

- Intense traffic can be seen during peak and non peak hours.
- Roads are well connected with transport mediums like auto, rikshaws and buses.
- Tertiary roads are calm and quiet and no heavy traffic can be seen here which leads to minimum noise pollution. (eg. Postal colony)

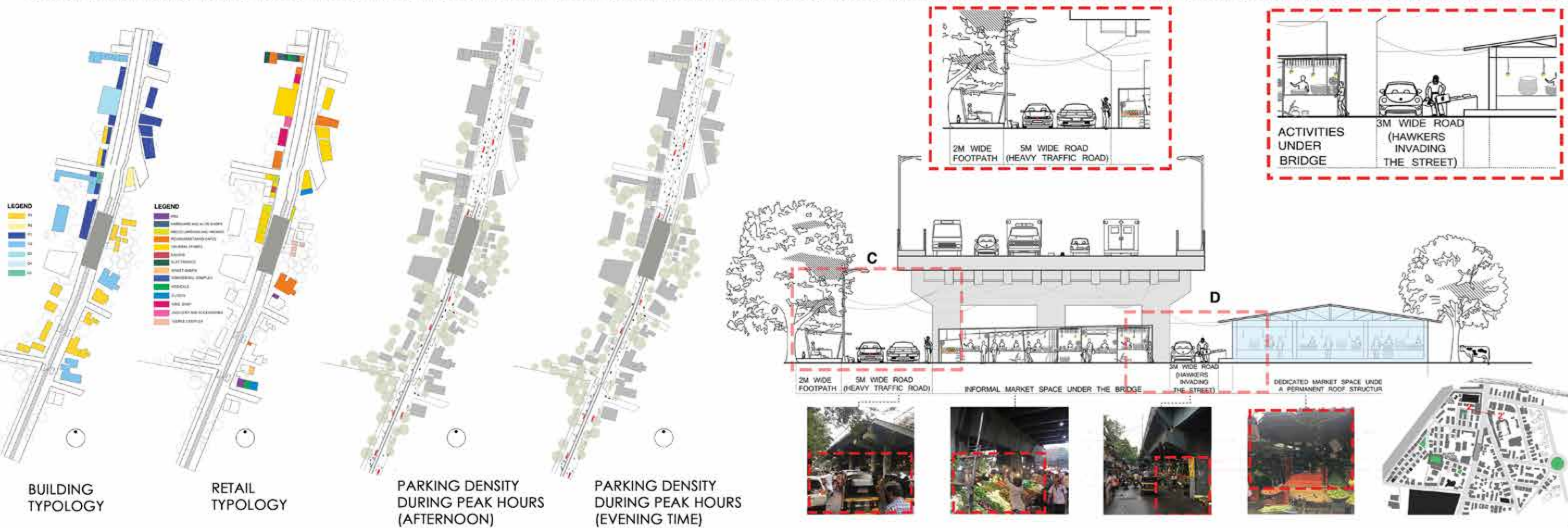
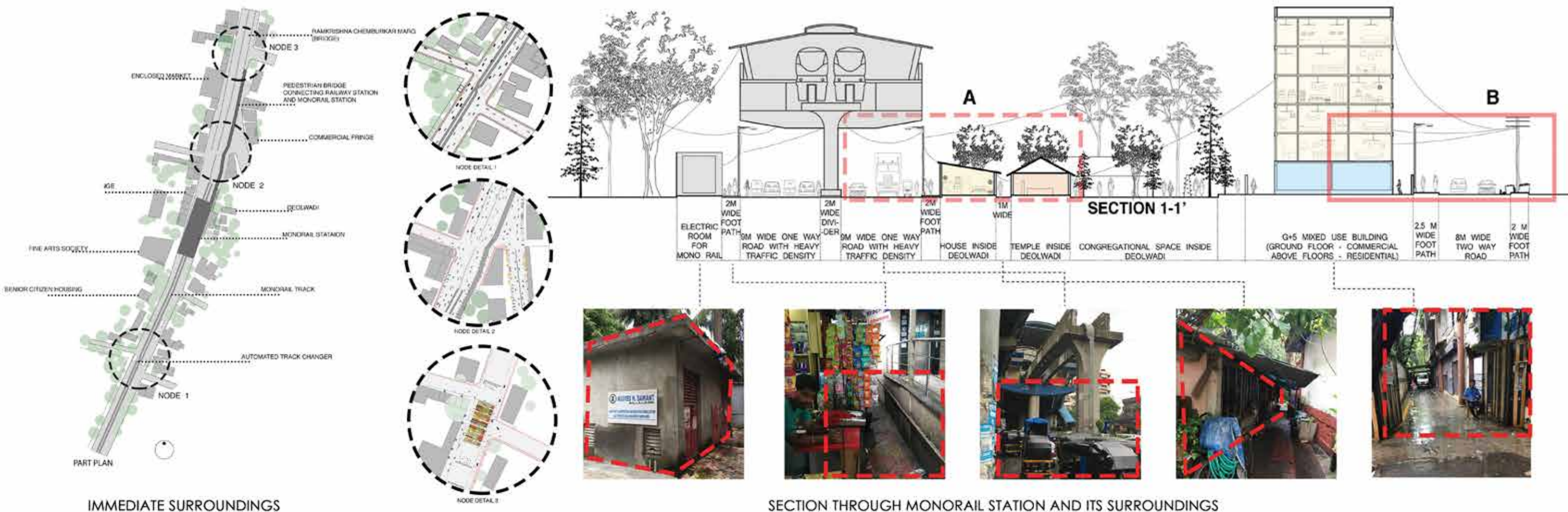


Tertiary road (B.A.R.C. colony)



TRAFFIC PATTERN

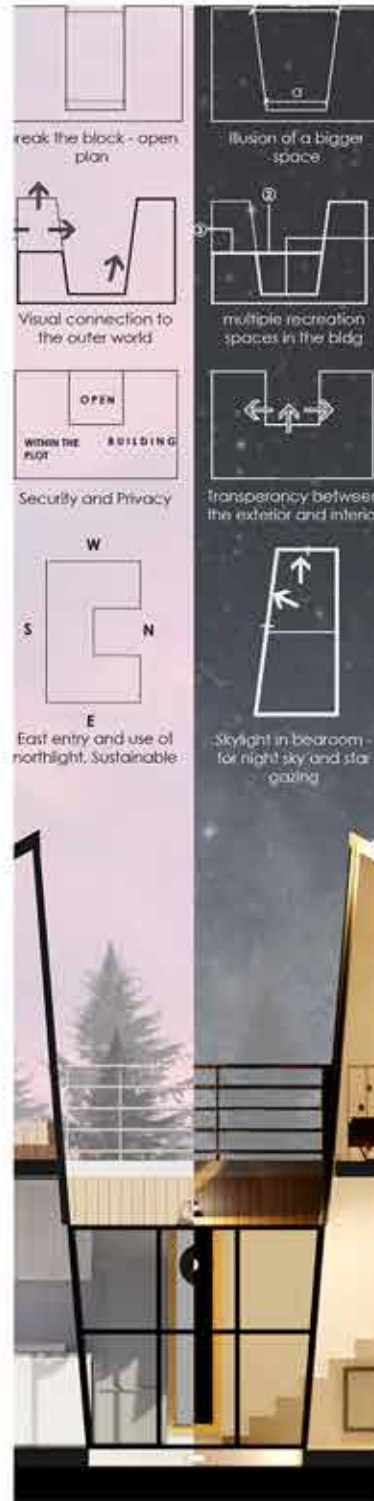
ROAD HIERARCHY AND TRAFFIC PATTERN



*“Architecture starts where you carefully put two bricks together.
There it begins”
– Ludwig Mies van der rohe*



MISCELLANEOUS



1. OUTSIDE INSIDE

Micro housing competition entry sheet
Year : 2020

2. REVIT RENDERS

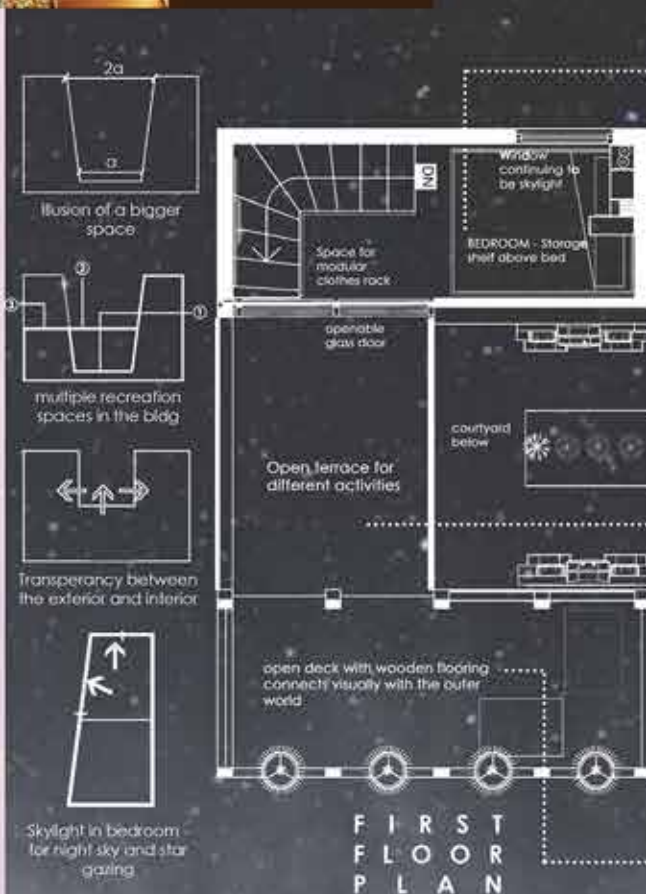
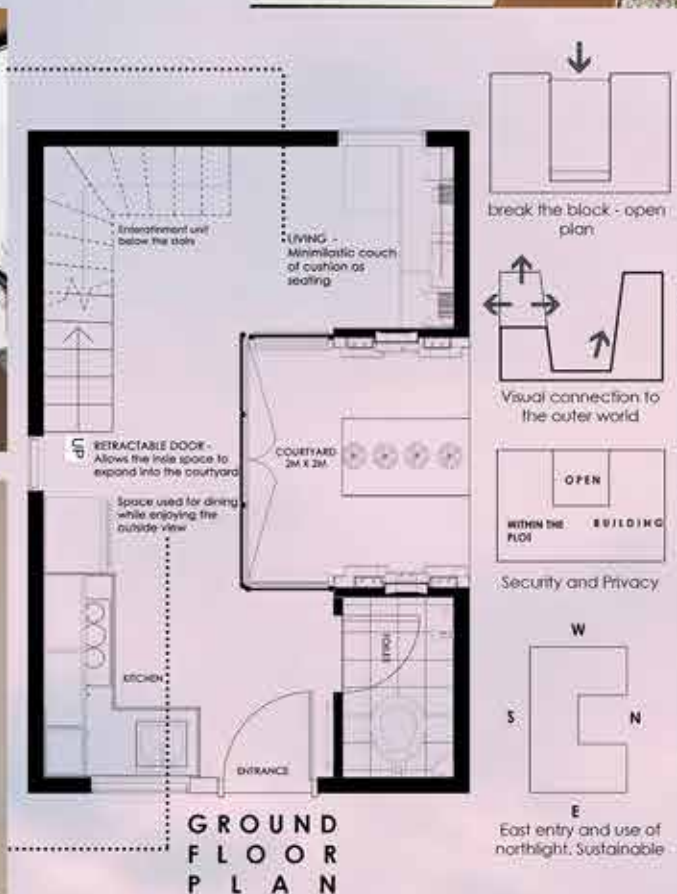
Renders of a bungalow project proposed for a client.
Year : 2020

OUTSIDE INSIDE

The recent events of a pandemic have changed our outlook of space, our needs, and our priorities. Rather than having a luxurious life, having Healthy life has proved its importance. The outside world seems to be more intriguing than the inside of a house. A glimpse of nature may it be a tree, a city line, a river, or just a mere sky was considered to be more pleasant than the utmost protection of four walls of our own home. The future houses demand to have the outside, inside the house. A home is to be designed to take in all the complexities of the altered lifestyle. The spaces in a home have redefined itself from the names labeled to them. The living room has become an office, A bedroom to a classroom and a kitchen to an experiment lab.

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An open plan with recreational space, to breed fitness, to engage in activities, to have better conversations, and to maintain physical and mental health is required to redirect the active lifestyle. The introduction of open spaces within the boundaries of a home in the form of terraces, balconies, courtyards, or lawns connects us visually to the world and maintains a social connection while maintaining the social distance. Open spaces add a design element that creates connectivity between interior and exterior space. The open-air oasis, a rarity in dense cities, provides a multifunctional extension of living space ideal for entertaining, gardening, yoga, and stargazing, right in the middle of a restless city.





THANK YOU !

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