

# RIAZ RAHMAN

## SENIOR 3D DIGITAL ARCHITECT DESIGNER

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### ABOUT ME

I am a versatile, accomplished, and highly qualified creative professional with over **11 years** of experience in **Digital architecture and 3D Visualization**. I possess expertise in utilizing the latest technologies. I thrive in fast-paced environments, adept at managing multiple projects simultaneously while meeting tight deadlines. Proficient in a wide array of digital software and 3D printing.

### EDUCATION

**Bharath Institute of higher education and research** 2005 – 2010  
**B.Arch (Bachelor of Architecture)**  
Registered member of the Council of Architecture **CA/2016/75984**

### PROFESSIONAL EXPERIENCE

<b>Sr. 3D Digital Architect</b>	Nearbuy Group	March 2016 - Jan 2024
<b>Principal Architect</b>	Emaara designs	Dec 2012 - Feb 2016
<b>Digital Architect &amp; Interior Designer</b>	My3 Interiors	April 2011 - Oct 2012
<b>Architect &amp; Interior Designer</b>	3Square Interiors	Feb 2010 - Jan 2011

### WHAT I HAVE DONE SO FAR

**Senior 3D Digital Architect**  
Nearbuy Group (Dubai, UAE) March 2016 – Jan 2024

- Create high-quality photo-realistic renders, Walkthrough animation and AR/VR using multiple 3d softwares including (3ds max, Sketchup, Twinmotion, Unreal Engine, Unity and Photoshop).
- Gather the necessary architectural shop information details and CAD drawings from the client.
- Managed a team of 3D artists, providing guidance, feedback, and mentorship to foster their professional growth and development.
- Optimized models and textures for performance in real-time rendering engines, such as Unity or Unreal Engine. Enhancing the overall visual experience for users interacting with the 3D content in web-based and dynamic environments.
- Experienced in 3D modeling, Video editing, Texture mapping, Walkthrough animations, Light backing, Rapid rendering, and post-production compositing.
- Create conceptual design and presentation to get the approval from client.
- Proficient in generating high-quality 2d depth maps using robotic scanning technologies utilized advanced techniques to minimize noise and artifacts in the generated maps.

### I AM

3d Designer  
Architect  
Interior designer  
Wayfinding designer  
Interactive Architect  
Digital 3d architect

### MY SOFTWARE SKILLS

Autodesk 3ds max (3d rendering)

Autodesk AutoCAD (2d Drawings)

Google Sketchup (3d modeling)

Autodesk Revit

Unreal Engine (Interactive)

Adobe Photoshop (Photo editing)

Twin Motion (Walkthrough)

Lumion (Walkthrough)

Adobe Premier Pro (Video)

Adobe XD (UI/UX Design)

WordPress (Web Designing)

Unity Engine (AR / Web 3D)

Cura Slicer (3d Printing)

Android Studio (App Development)

## Principal Architect

Emaara Designs (India, Chennai)

Dec 2012 – Feb 2016

- Coordination work regarding all issues about to the project with the client and contractors to solve the issues.
- Study the complete requirement documents from the client and design the conceptual 2d and 3d designs for the client's approval.
- Attended all team meetings to resolve technical and project issues, coordinate with team members and review project schedules.
- Verified that construction detail documentation conformed to quality assurance and best practice standards.
- Detailing the design intent drawings from the consultant, to suit site conditions. Assigning the task to the team members to prepare the detailed drawings for the approval and site execution
- Reviewing all the drawings prepared by our cad draftsman before submitting for consultant approval. Reviewing all sub-contractors' drawings.
- Attending site coordination meetings with project managers, site engineers, and sub-contractors
- Provided space planning, interior finishes and furnishings, and created specialty design elements and details.

## Digital Architect & Interior Designer

My3 Interiors (Dubai, UAE)

April 2011 – Oct 2012

- Submission of drawings and getting approvals / work permits from the concerned authorities.
- Preparation of BOQ, cost estimation, interior 3d model, and submission drawing.
- Develop the project from schematic level to final handover to the client and lead the team towards progressive state in the project assigned.
- Quality inspection and cost control during the execution of site works.
- Responsible for coordination with the subcontractors for all FF&E items as well as fit-out works and inspecting the furniture in the factory made by the sub-contractors.
- Captured and transformed leads into viable business opportunities, continually monitoring and assessing subsequent growth.
- Sprint Concept Realization Center Overland Park, Kansas Designed a high-tech marketing department to promote specialty products to potential clients
- Inspecting the execution through a regular site visit, coordinating with site staff regularly and whenever a critical design issue is to be resolved on-site and providing all necessary details required by the site engineer.

## Architect & Interior Designer

3Square Interiors (Dubai, UAE)

Feb 2010 – Jan 2011

- Generate clear ideas and concepts in tandem with the copywriter.
- Produce sketches, storyboard and rough to visualize ideas.
- Understand marketing initiatives, strategic positioning and target audience.
- Develop the project from schematic level to final handover to the client, Lead the team towards the progressive state in the project assigned.
- Quality inspection and control during the execution of site work.
- Strong portfolio of completed projects, technical skills, and attention to detail.
- Manage and delegate responsibilities to other designers and provide directions.
- Managed and led a multi-disciplinary team throughout the development and contract document phases.
- Strong knowledge of building codes, zoning laws, and construction methods and materials.

## EXPERIENCED IN

Creative Design

3D Models

Interactive 3d Design

Wayfinding Design

3D Printing

Video editing

Web Design

Product Design

AR/VR

Photogrammetry

UI/UX Design

Web & Mobile Development

Digital Signage



SCAN QR FOR PORTFOLIO

## Premium Projects Worked

THE  
DUBAI  
MALL



MASDAR  
CITY



مركز المارينا  
MARINA MALL



لؤلؤ  
Lulu  
GROUP INTERNATIONAL



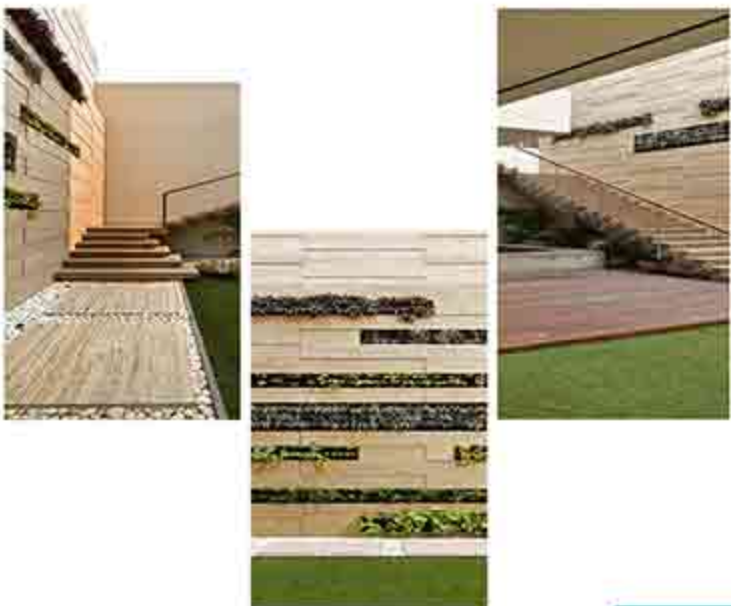
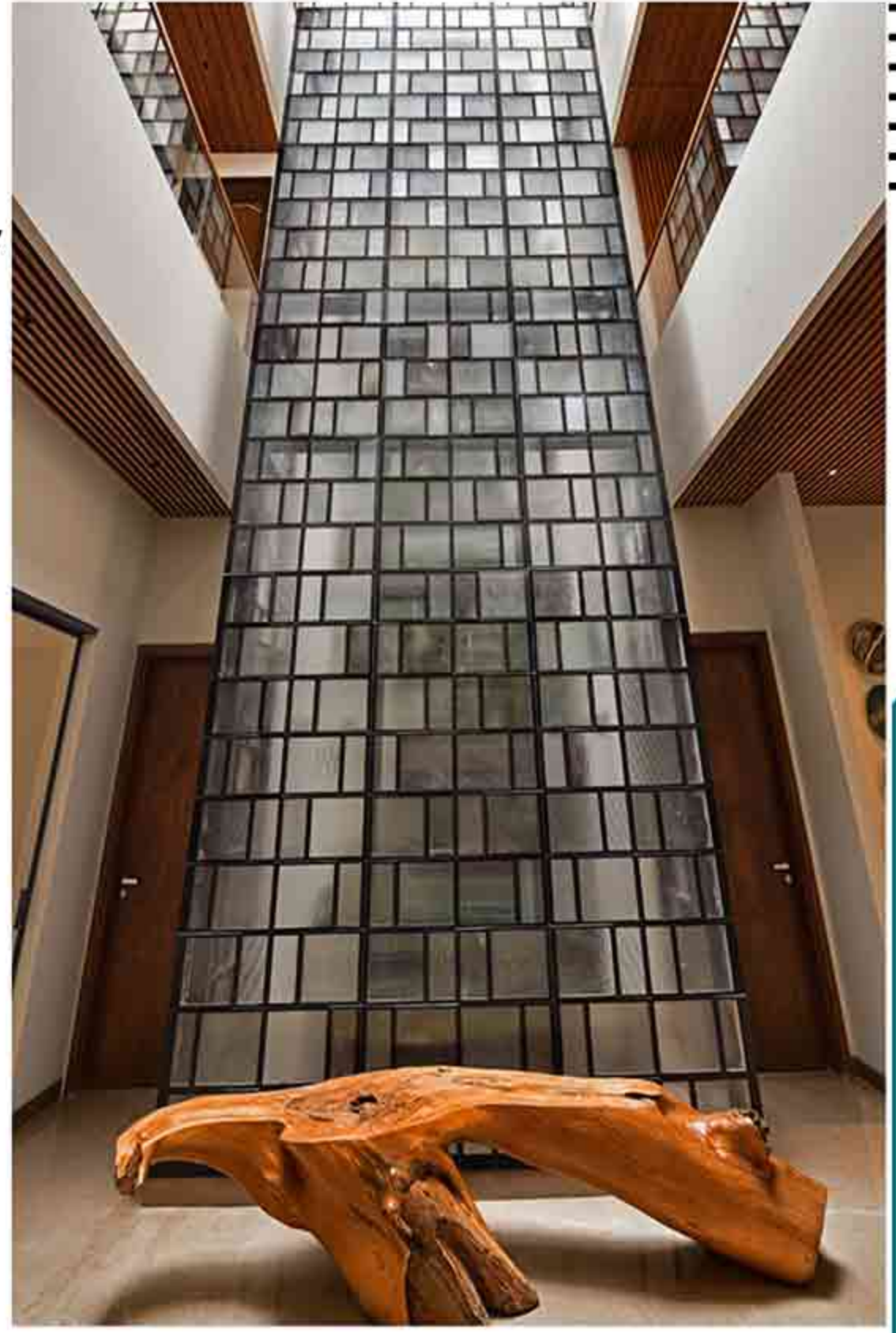


Ground Floor On the ground floor, the volume is defined by the large terraces on the north-east and the south. A similar vocabulary of the terraces is present on the second floor. To ensure a ubiquitous presence of natural light and ventilation various punctures were defined in the functionally obtained volumes.



### Triple-height volume

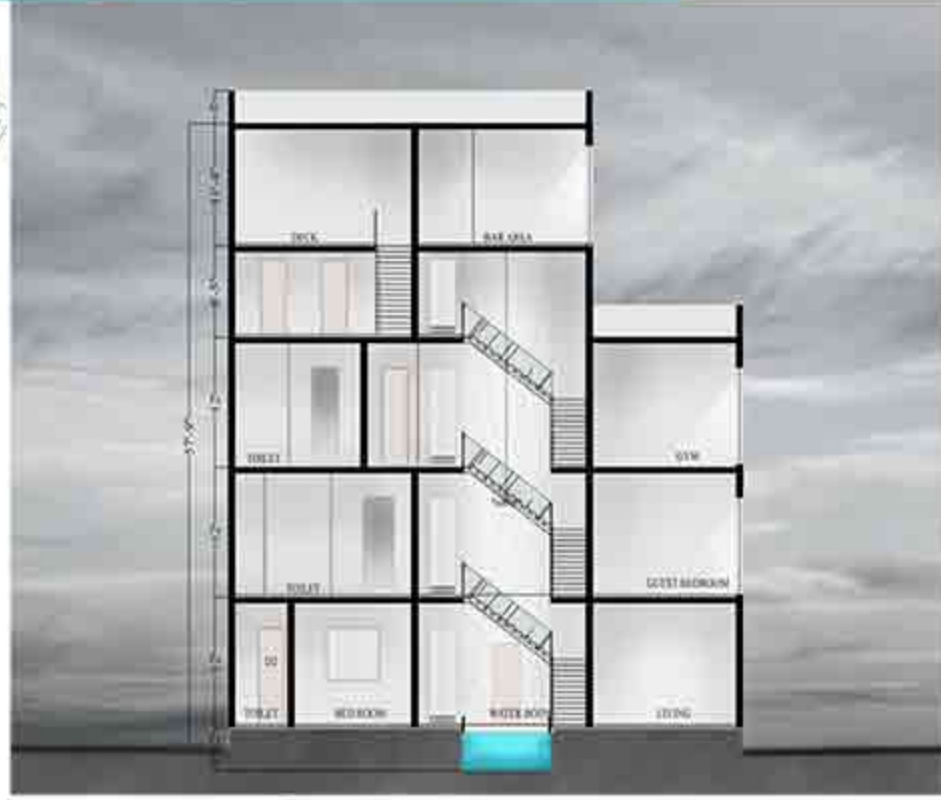
One courtyard is a glass prism, present on all floors, brings light as it is open to the sky and the other one is an atrium linking the first and the second floor. The glass prism, a unifying factor on all floors.





### Ground Floor

With a central full-height courtyard, the social and semi social spaces on the ground floor, like the living, dining, and kitchen all open up to this open central space. The ground floor is designed to have an open floor plan where every space is interconnected visually as well as physically that helps maintain an active communication.



Section along the Staircase



Section across the Courtyard



The master bedroom on the first floor is designed in a minimalistic way. With shades of beige and a pop of leather coming through, the bedroom houses a lounge and a balcony as well. The bathroom and walk-in closet too reflect shades of beige and tan in their marble flooring and counter-tops.



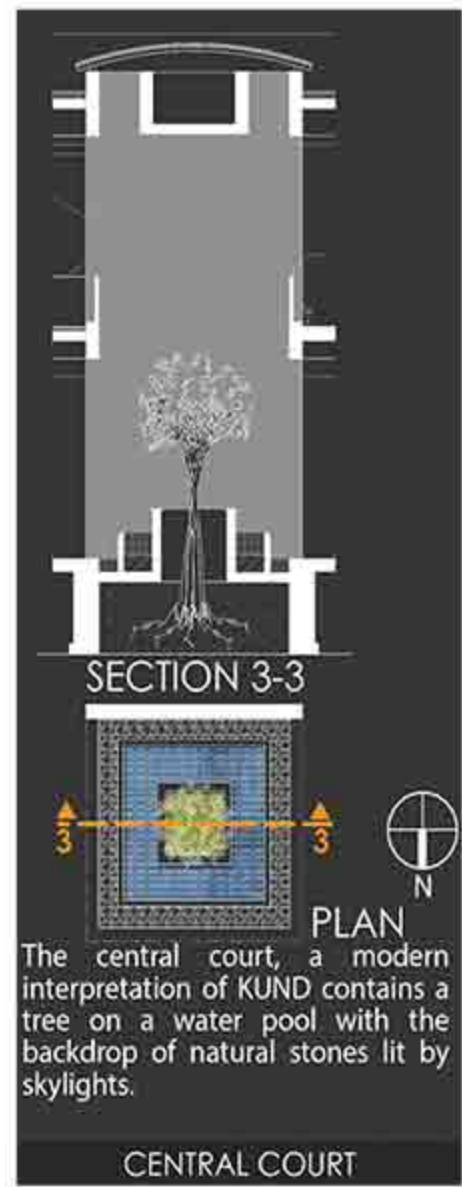
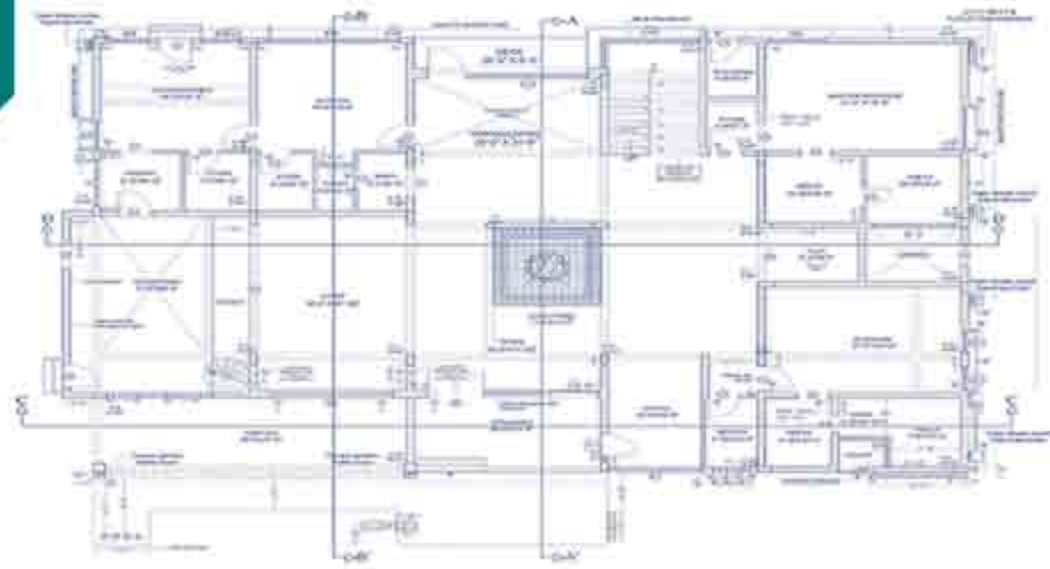
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## ARCHITECTURE / INTERIOR DESIGN



Above: Central courtyard with skylight



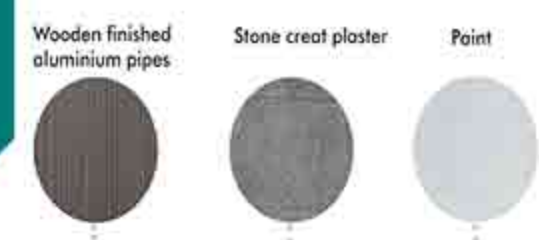
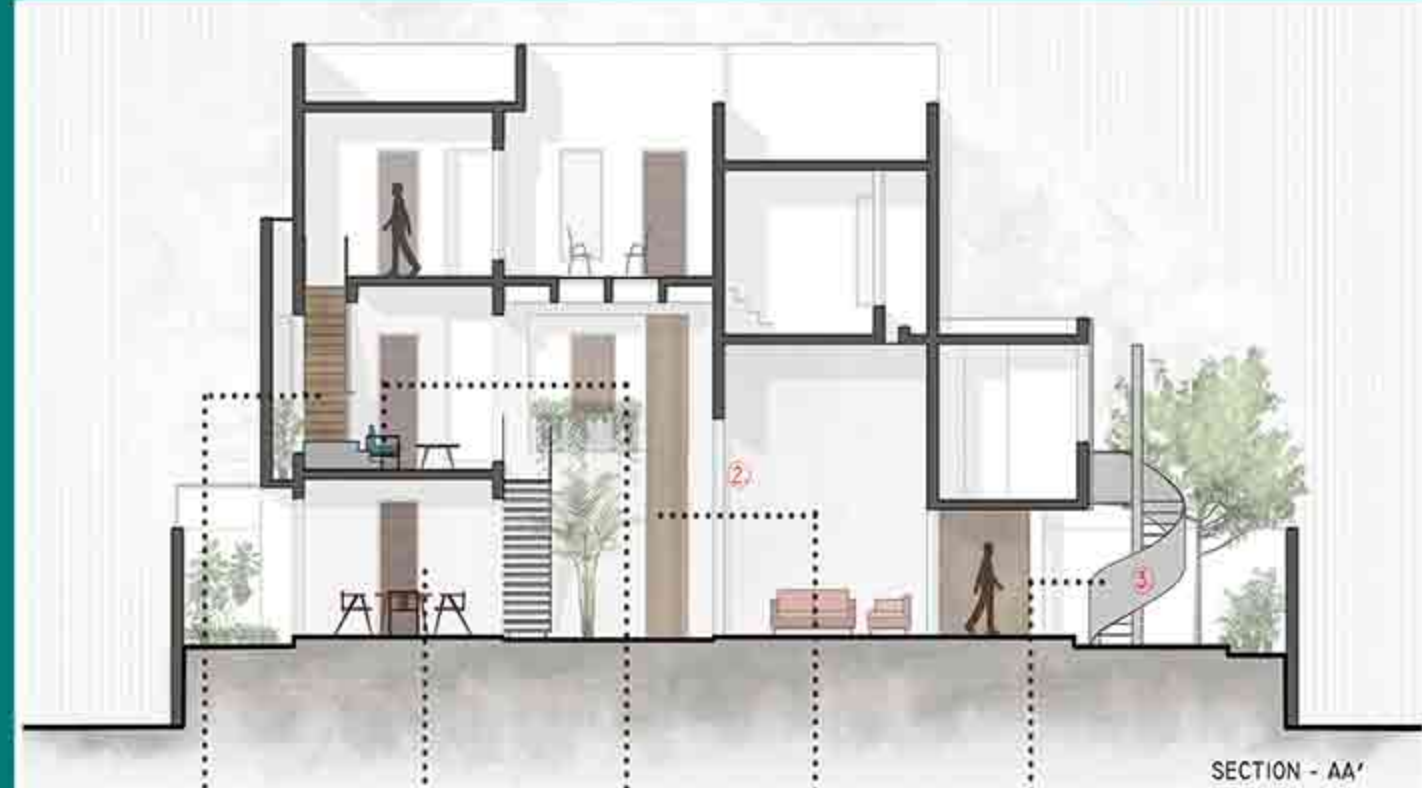
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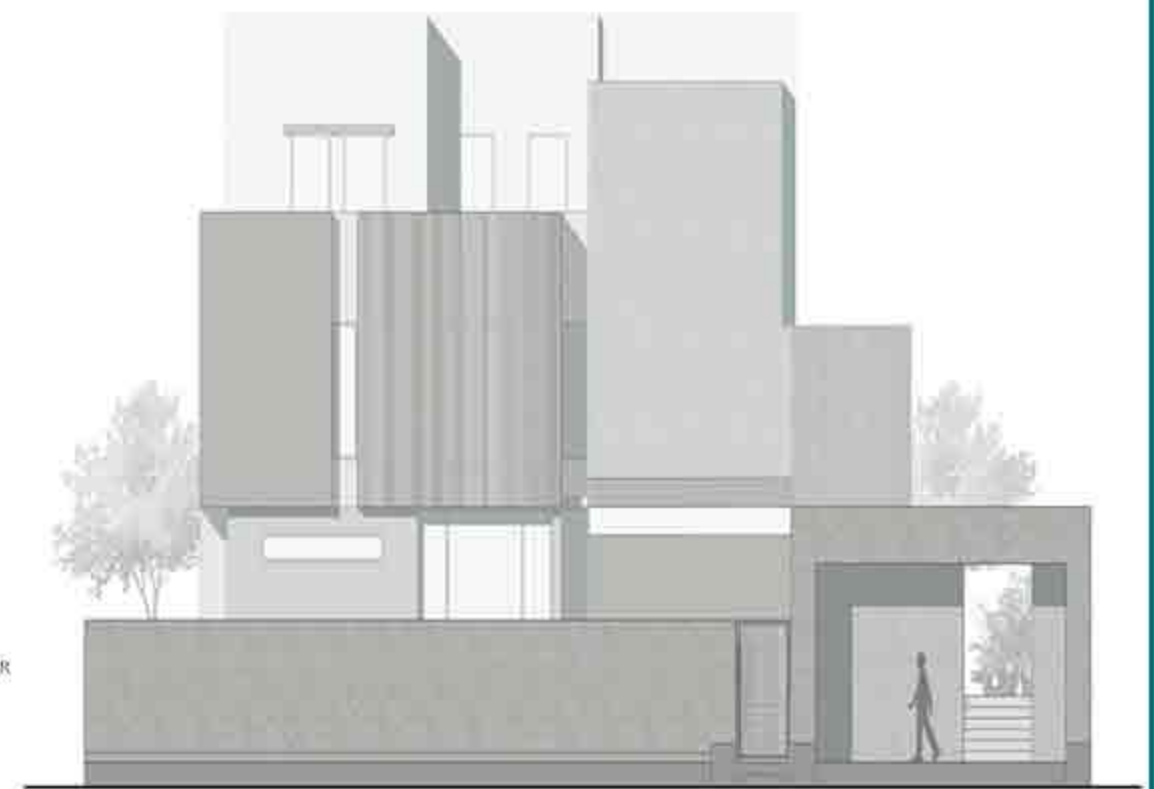
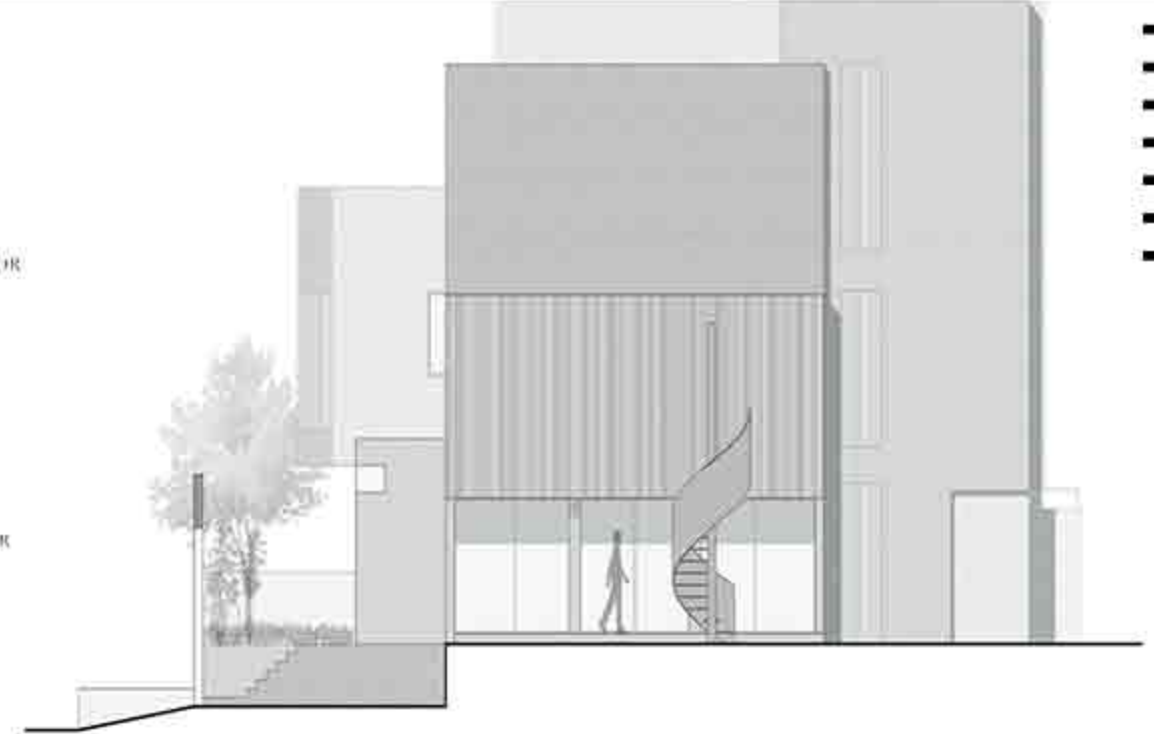
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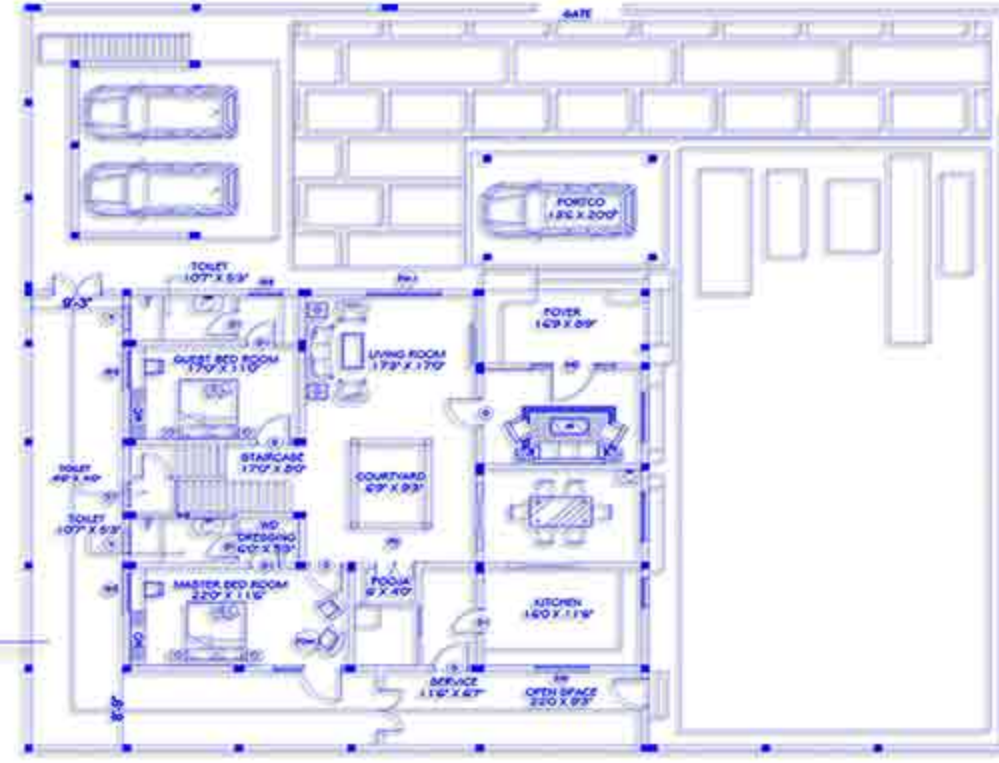
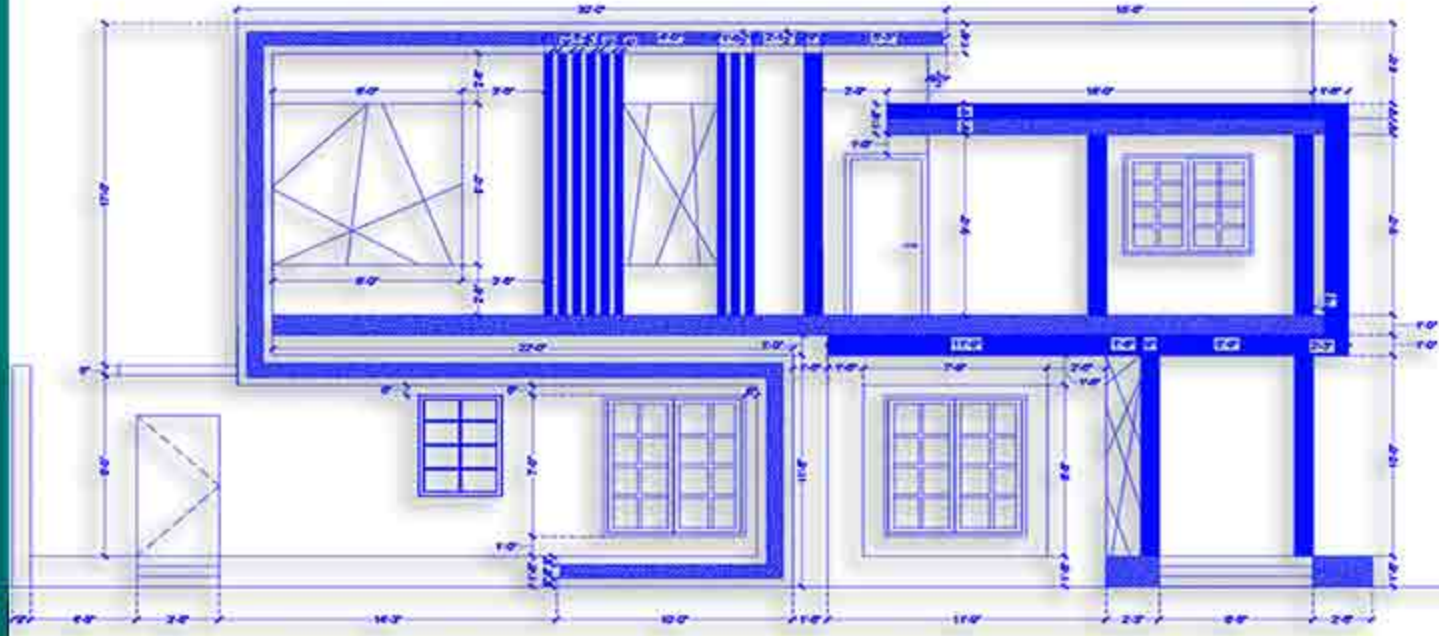
Material Palette



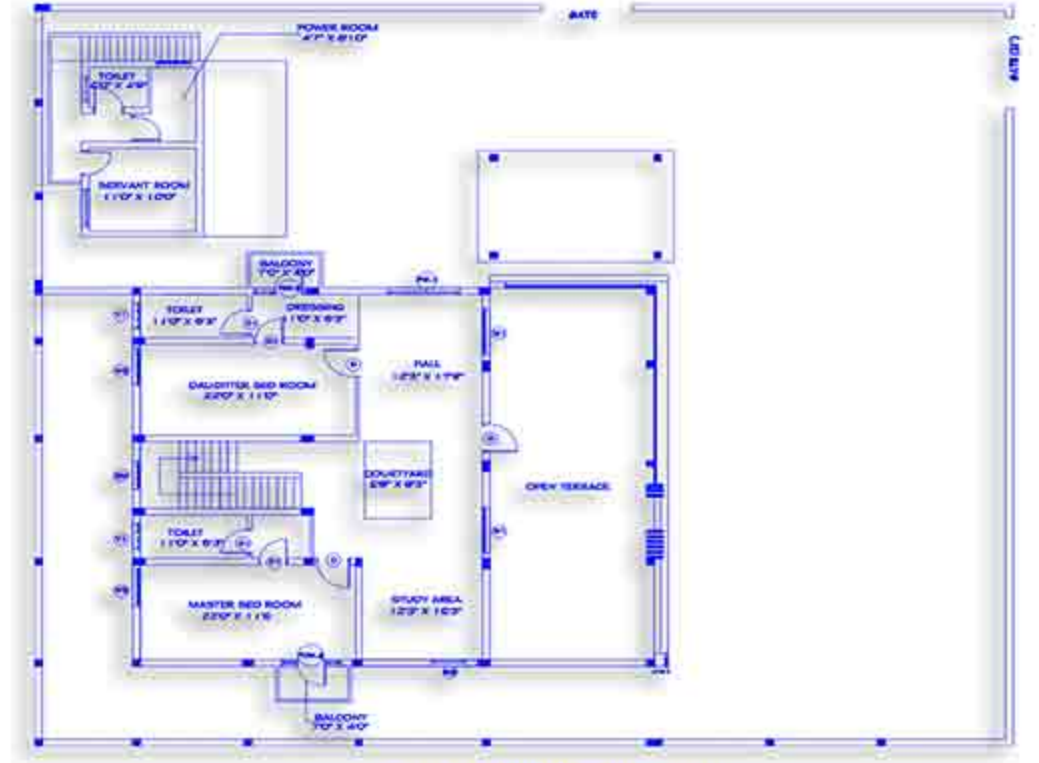
Isometric view



East Side Elevation



GROUND FLOOR PLAN



FIRST FLOOR PLAN



### NORTHERNSKY EXCELSA NANTHOOR, MANGALURU

"EXCELSA," a soon-to-rise residential marvel by NorthernSky Builders, is set to grace the skyline of Nanthoor, Mangalore. This 36-floor residential tower is not just a building; it's a testament to the innovative concept of biophilic design.

Biophilic design is more than just an architectural trend; it's a thoughtful approach that interweaves the essence of nature with modern living spaces. This design philosophy incorporates elements of nature, both directly and indirectly, alongside spatial configurations that forge a deeper connection between residents and the natural world. Recognized for its myriad of benefits, biophilic design enhances the health and well-being of occupants, contributes positively to the environment, and even has economic advantages for urban landscapes.

The roots of biophilic design can be traced back to ancient architectural marvels, such as the Hanging Gardens of Babylon, yet the term itself is a relatively modern creation. "EXCELSA" embodies this philosophy at its core. The tower is meticulously designed with abundant green pockets integrated into its façade, ensuring that each apartment is a personal oasis of greenery, while simultaneously elevating the building's external charm.

In my role as the project architect for NorthernSky Properties, I had the unique opportunity to collaborate with a diverse range of teams. This multidisciplinary approach was crucial in shaping "EXCELSA" into what it is today. Currently under construction, this architectural gem is on track for completion in 2025, promising to be a landmark of sustainable and aesthetically pleasing living in Mangalore.





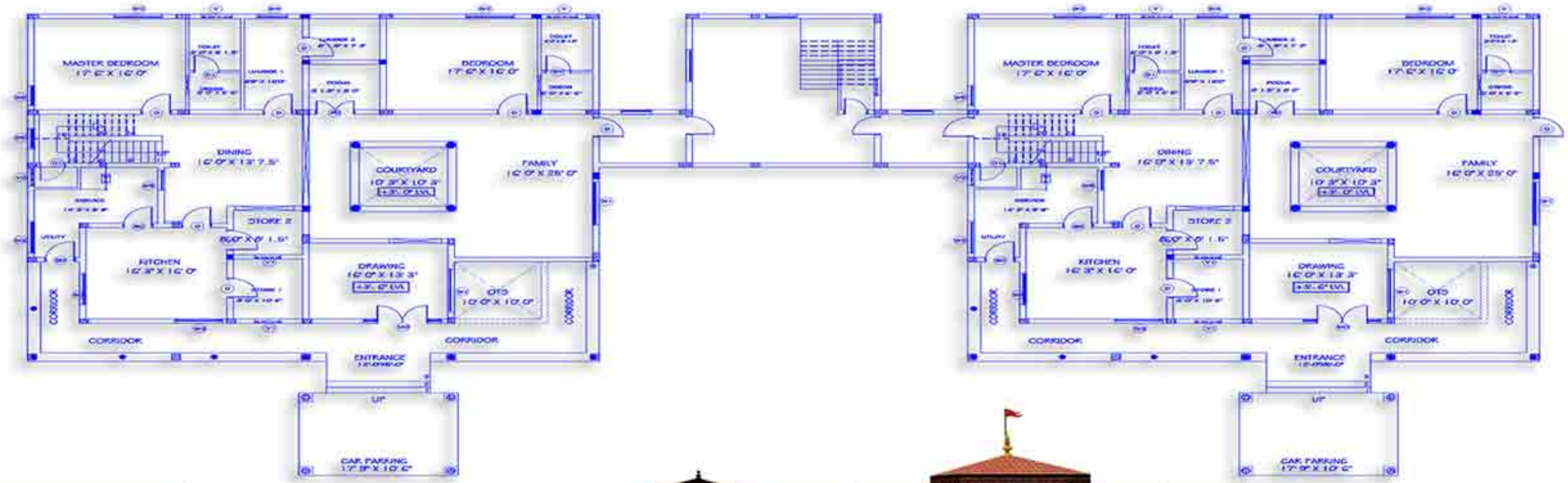
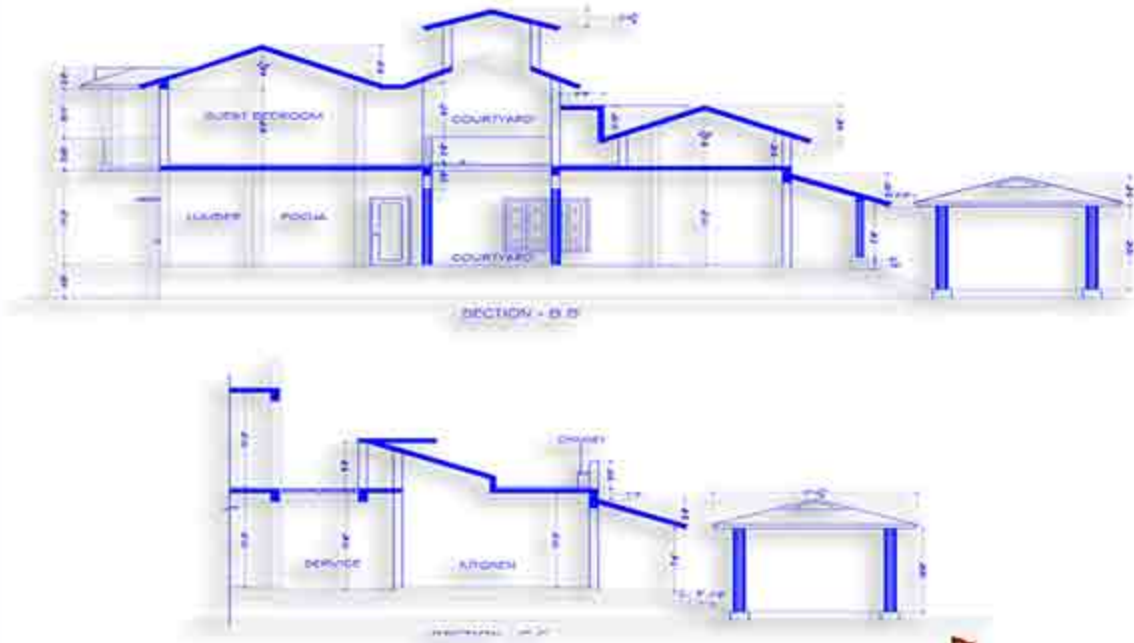
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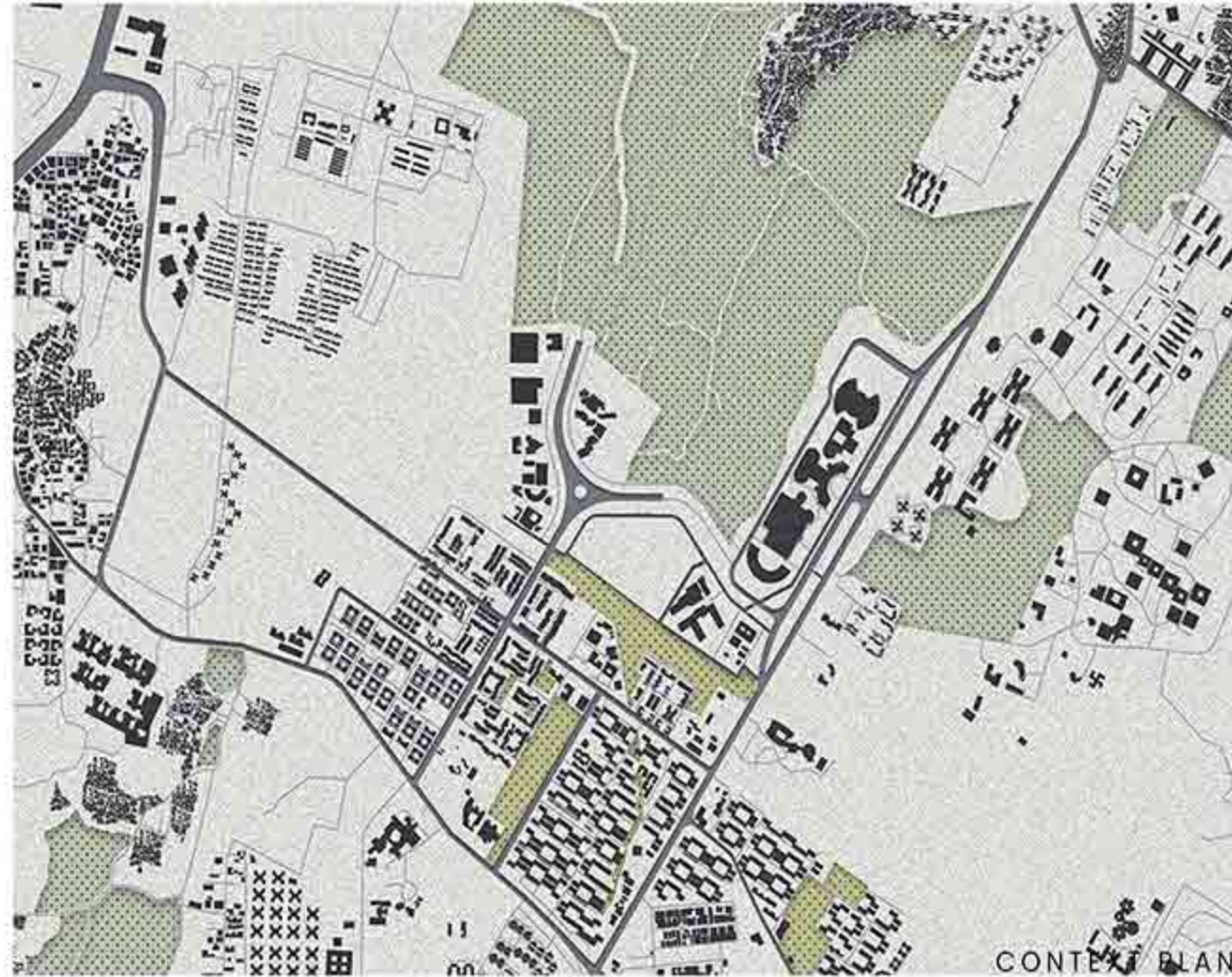


### SITE ANALYSIS

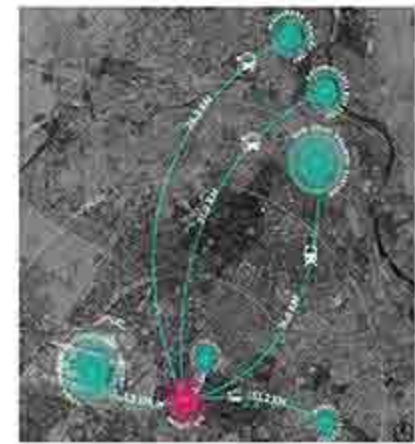
Site area: 20 Acres  
 Status: Proposed  
 Location: New Delhi, India  
 Climate: Composite

The site is proposed in the new development area of South Delhi. The Site is proposed in the institutional zone of Vasant Kunj, New Delhi. The site sits on the ecological corridor of Aravali Biodiversity range of New delhi. Due to previous mining activities, there is an existing depression of 8m offcentre to the site. The ridge is running throughout the site being 180m long.

The site is in proximity to TERI University, JNU camous, Qutub Minar, The Grand hotel. On rear side of the site is the residential sector of Vasant Kunj and Delhi Public School. The site is located in vicinity to institutional, commercial and recreational zones.



Aerial view of studio block with library connection



ACCESSIBILITY

Site is connected through multiple transit systems.



ROAD NETWORK

Site is accessible through a 8m wide secondary road



URBAN FABRIC

Larger grain size near site due to institution and hotels



BUILT - UNBUILT

30% built with articulated open built spaces



VEGETATION

Existing vegetation mainly of babool and local shrubs



View of bridge connecting over ridge studios

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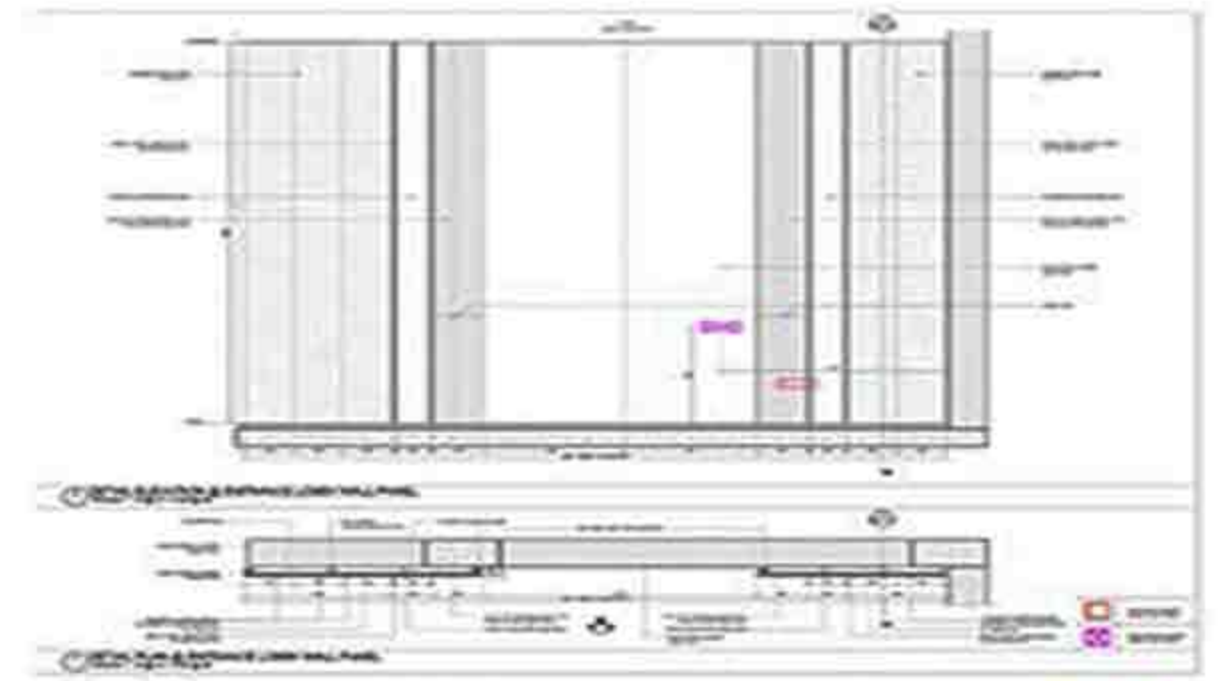
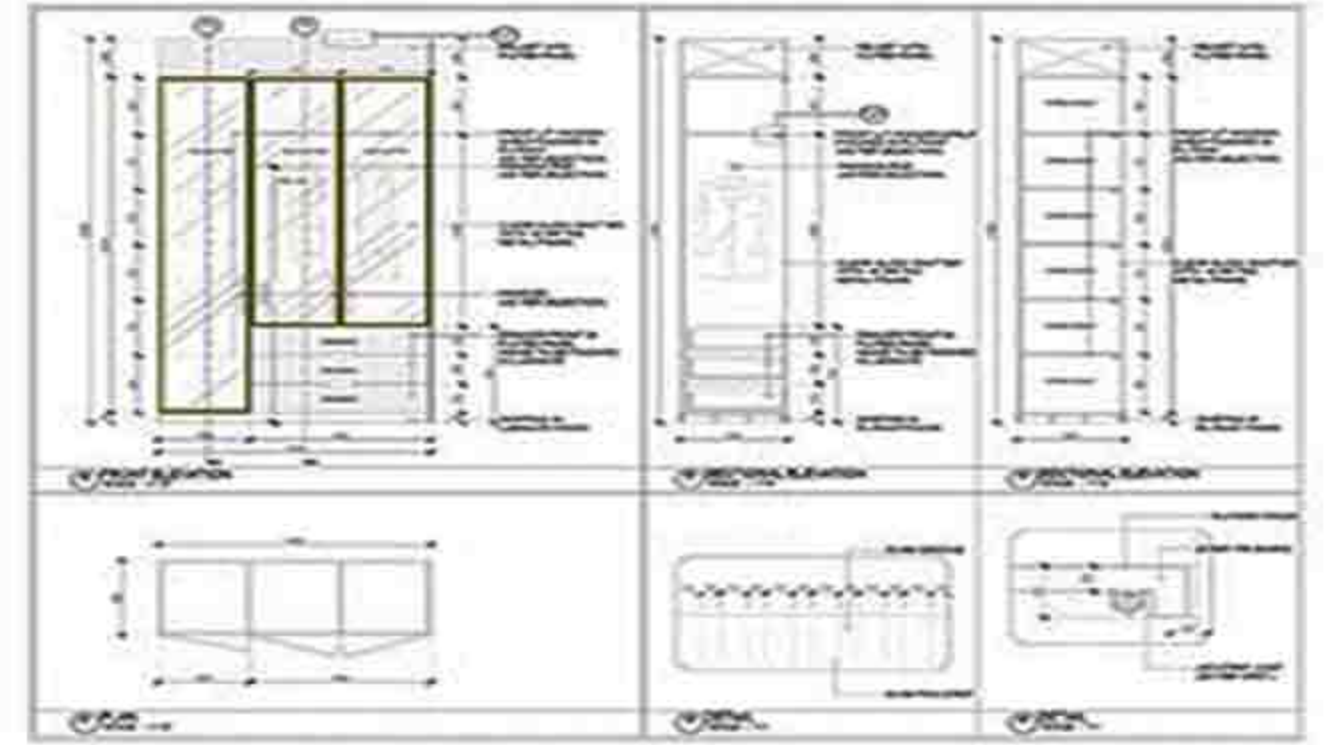
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ENTRANCE HALL DETAIL (PHOTO TAKEN AFTER FINISH)

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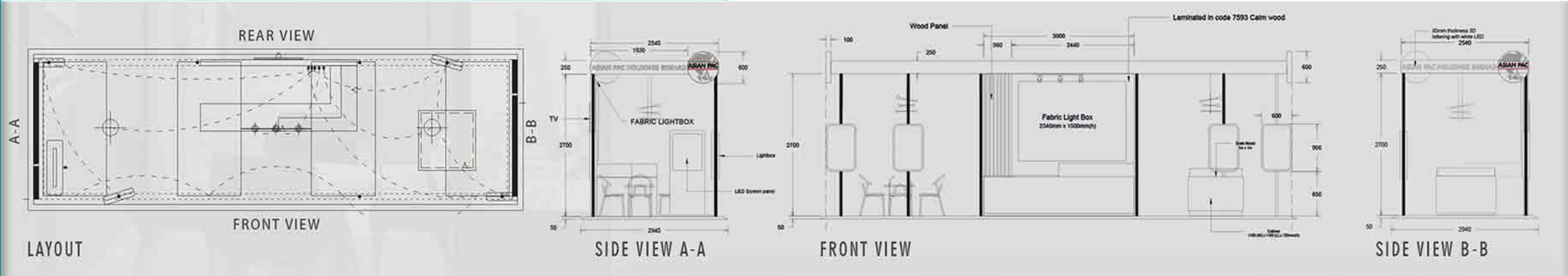
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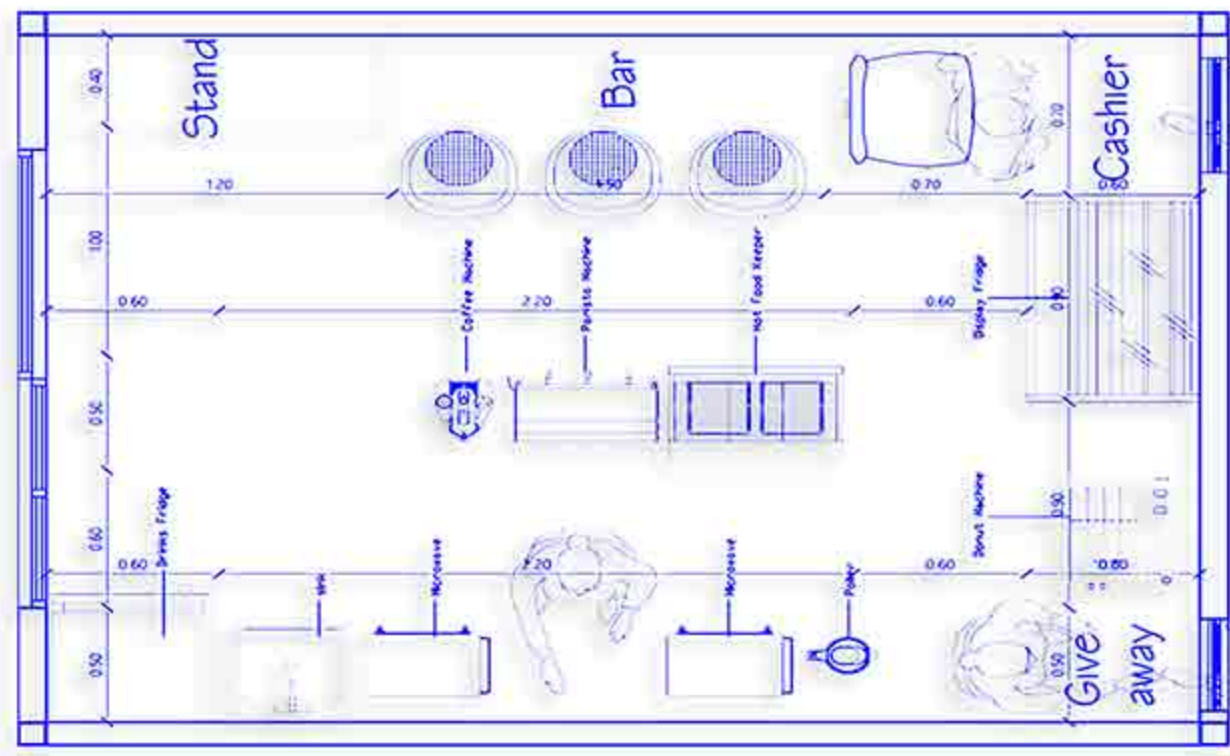
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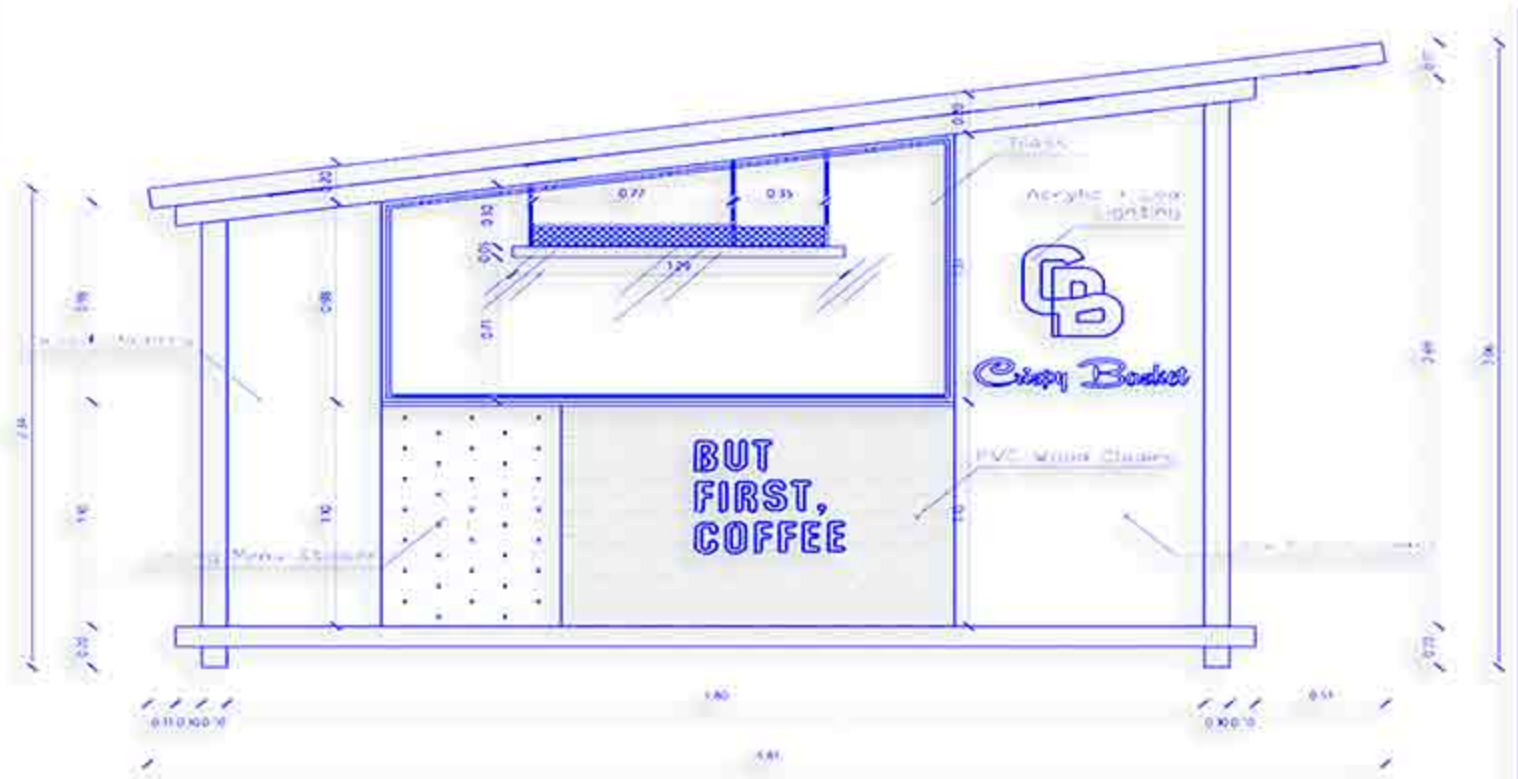
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## ARCHITECTURE / INTERIOR DESIGN



Floor Plan



Left - Elev



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## ARCHITECTURE / INTERIOR DESIGN 3D PRINTED MODELS

