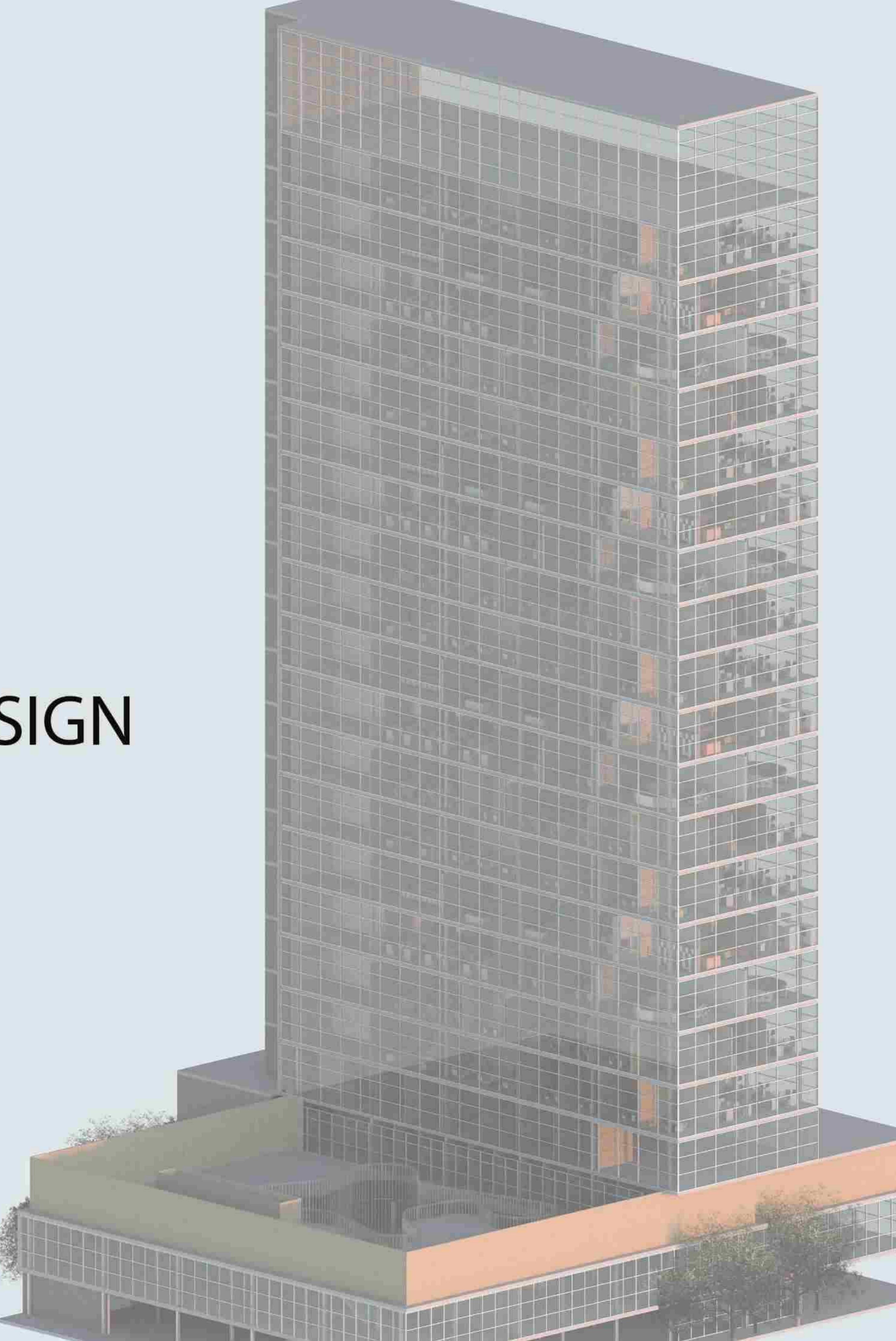


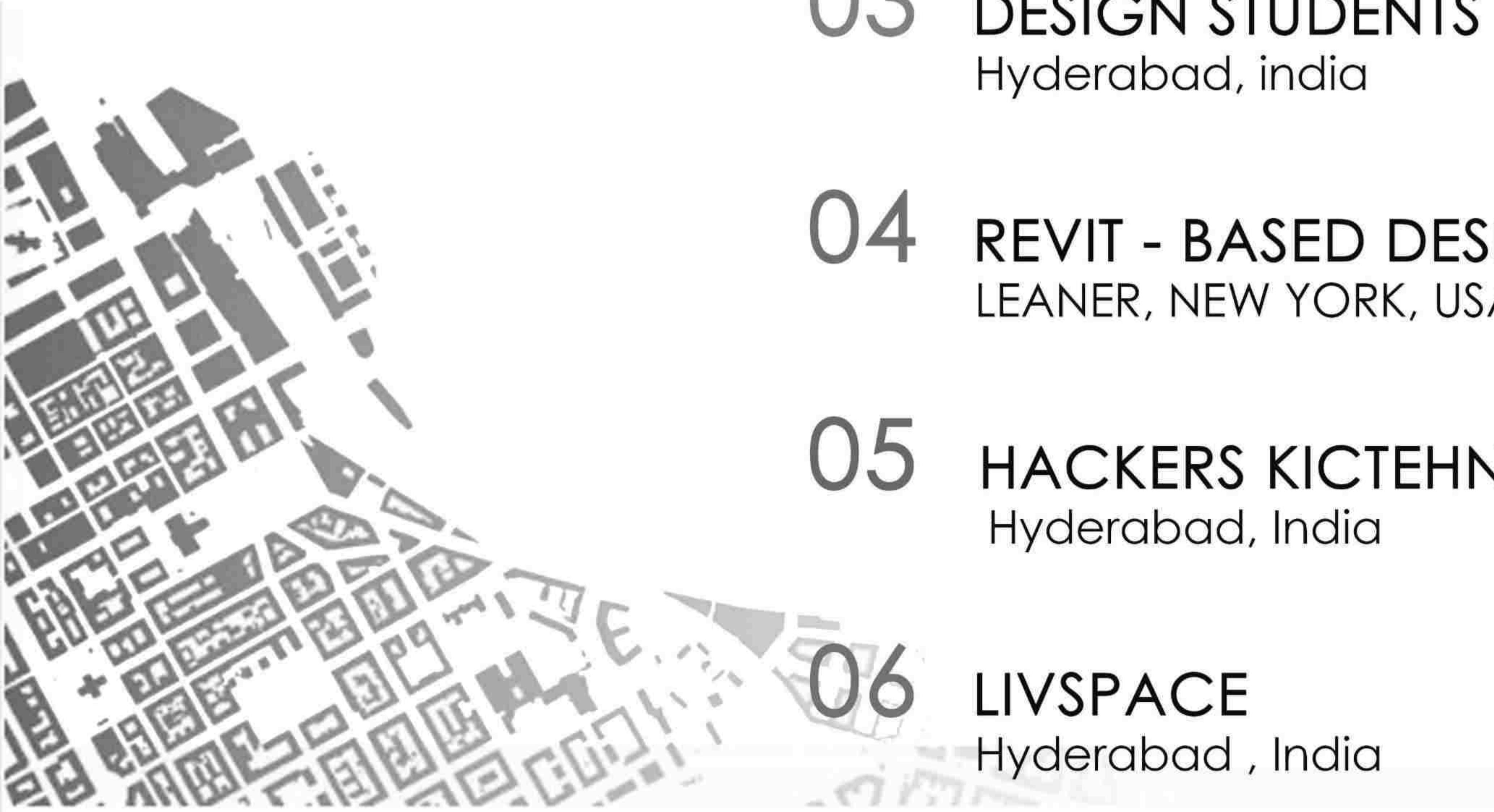
SAI SRUTHI VOJJOLA

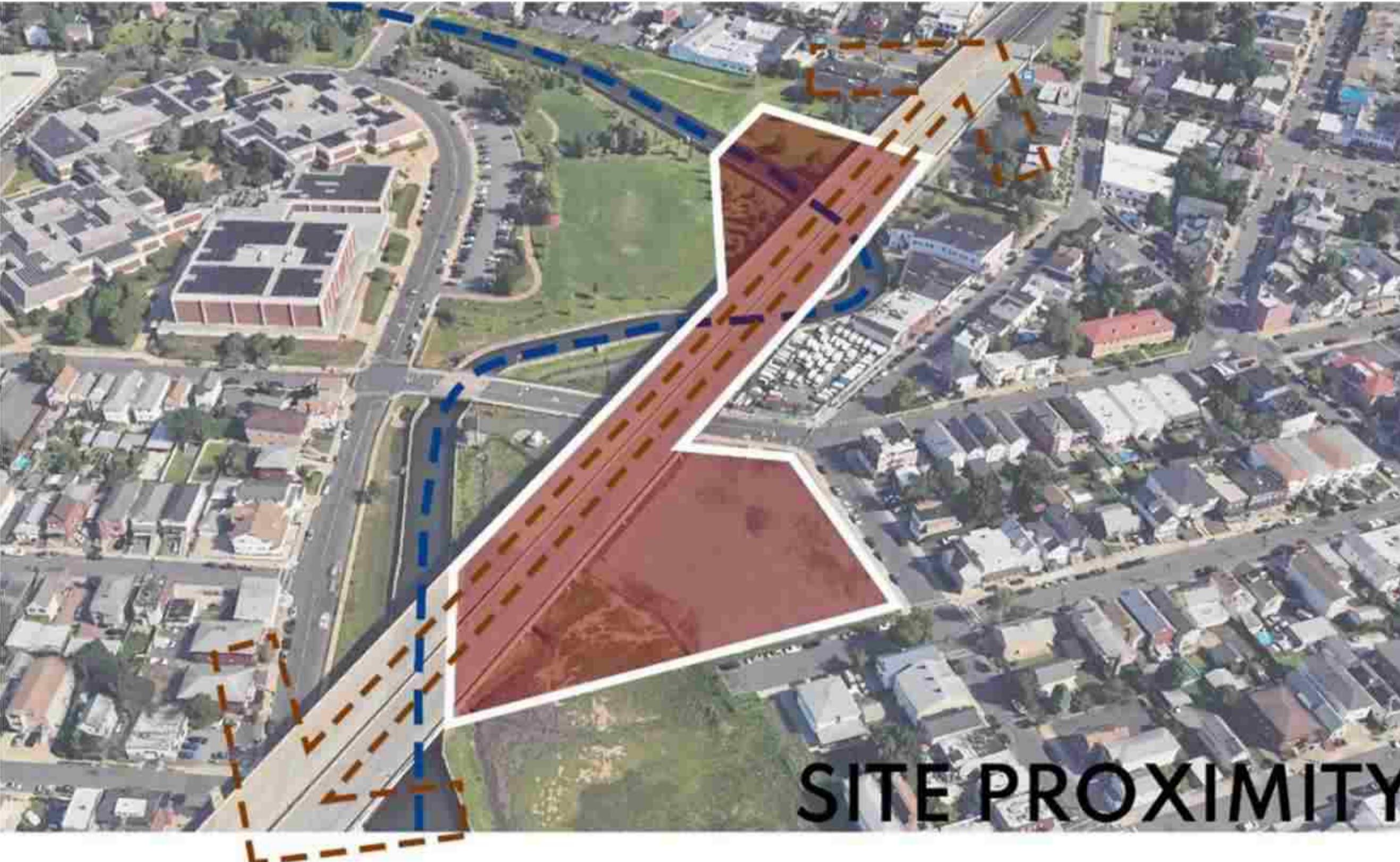
PORTFOLIO

INTERIOR DESIGN | URBAN DESIGN



INDEX

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- 01 THE ELIZABETH SUTURE
Elizabeth, New Jersey, USA
 - 02 GIS - BASED URBAN ANALYSIS
New York City, USA
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Hyderabad, India
 - 04 REVIT - BASED DESIGN AND ANALYSIS
LEANER, NEW YORK, USA
 - 05 HACKERS KICTEHNS
Hyderabad, India
 - 06 LIVSPACE
Hyderabad, India



SITE PROXIMITY



TOTAL SITE AREA - 25,500 sq.m.

TOTAL BUILT UP AREA - 10,900 sq.m.
(Available area under the bridge)

Built up area for housing units - 7,750 sq.m.
(Excluding roads and water body)

Rest of the area can be used for open spaces and other amenities



AFFORDABLE HOUSING PROGRAM OUTLINE

HOUSING UNITS

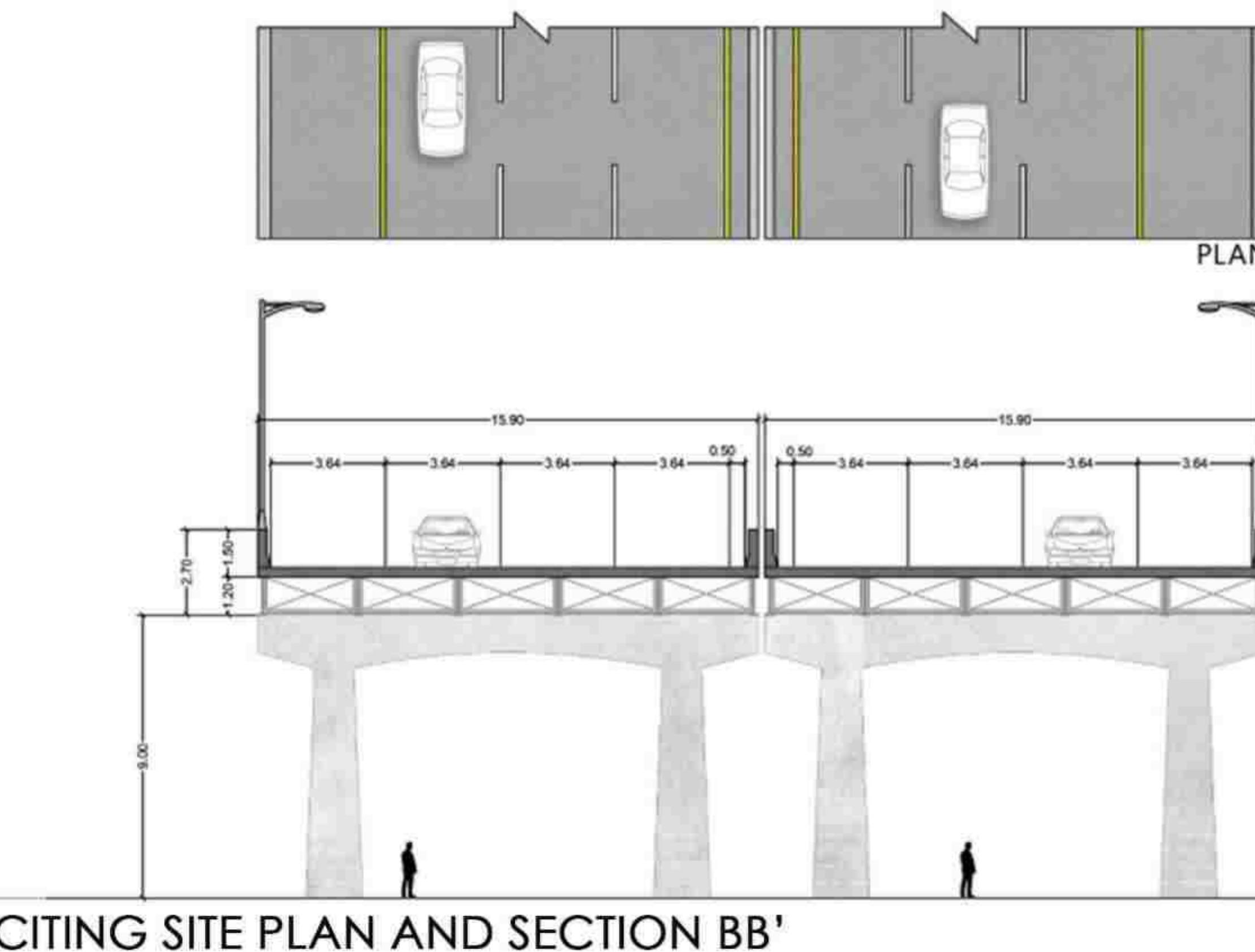
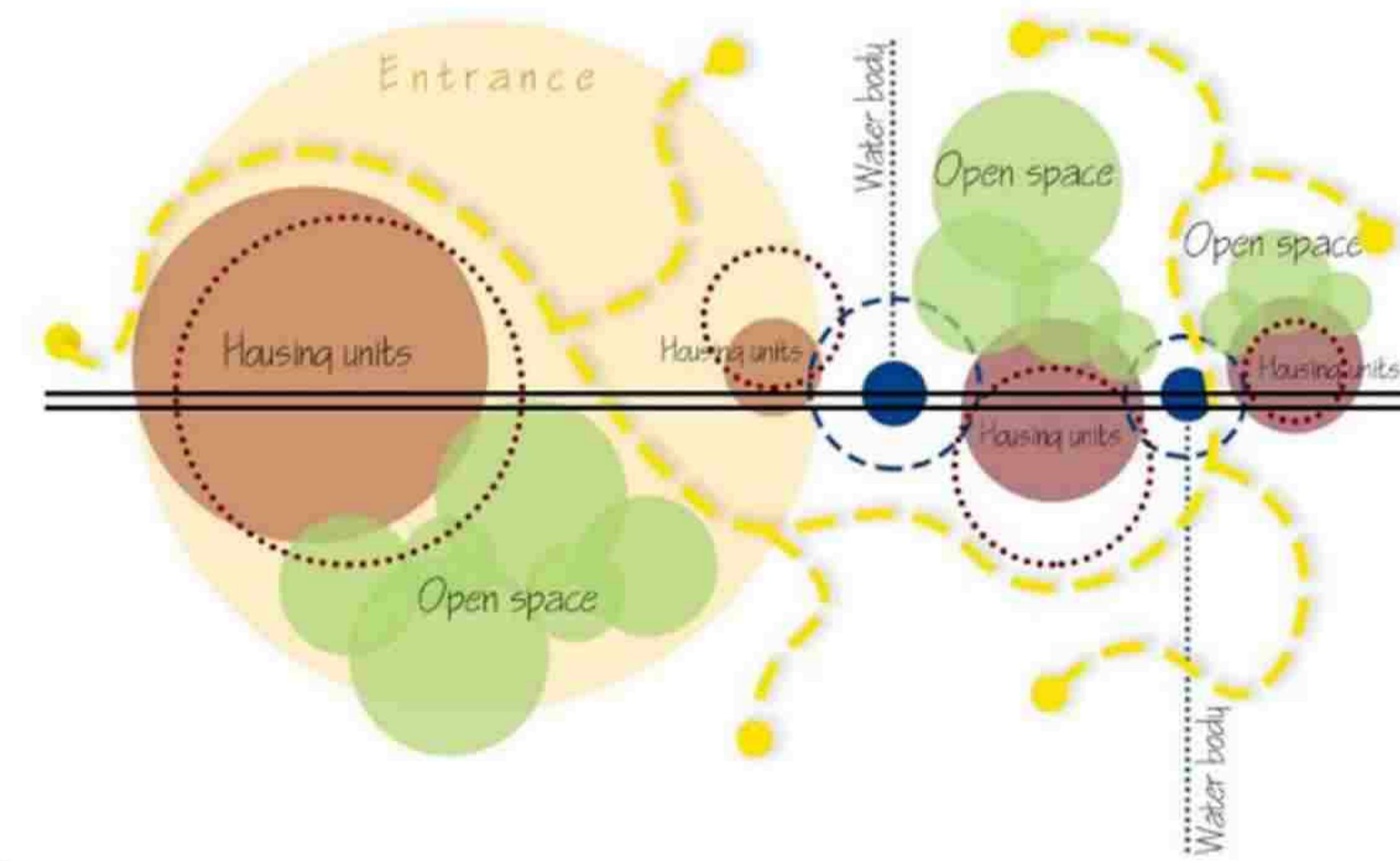
Built up area for housing units - 7,750 sq.m.
Built up area for each housing unit - 140 sq.m.
No. of housing units - 25-30 units.

CIRCULATION(HORIZONTALS)+ COURSE(VERTICAL)

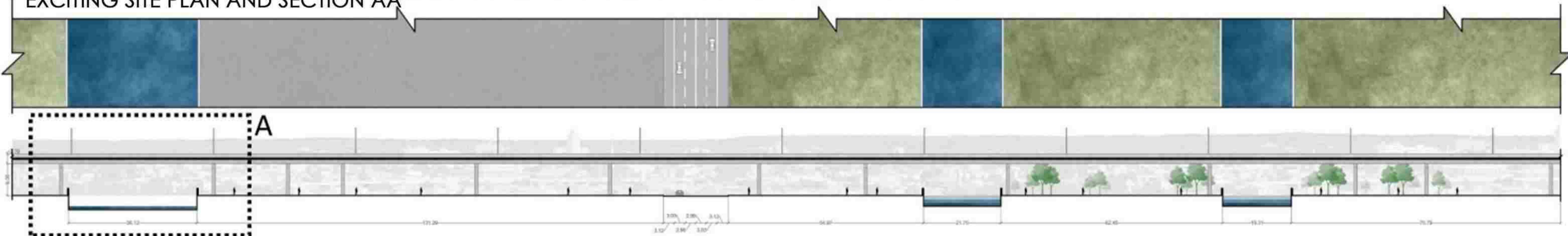
15% of total built up area

AMENITIES

Parking - 1 parking per unit
Laundry - 1 unit
Offices - 1 unit
Mechanical room - 1 unit
Electrical - 1 unit
Plumbing room - 1 unit



EXCITING SITE PLAN AND SECTION AA'



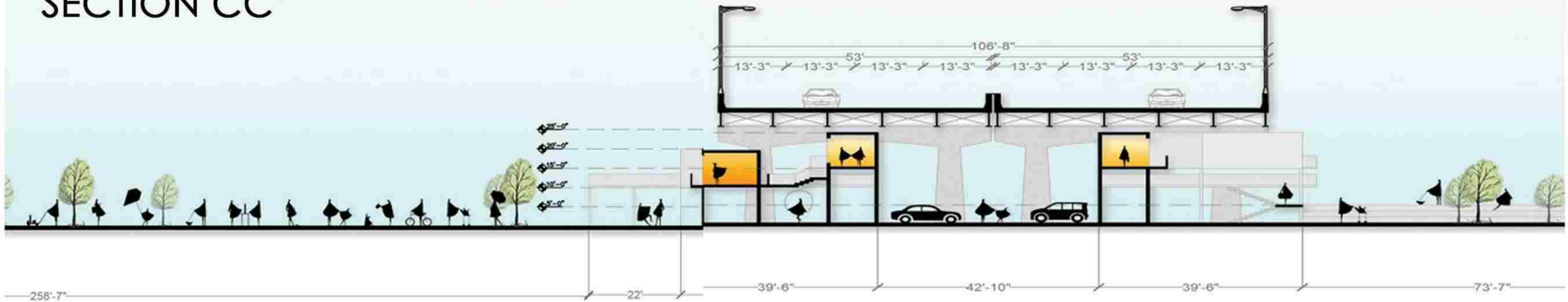
MASTER PLAN



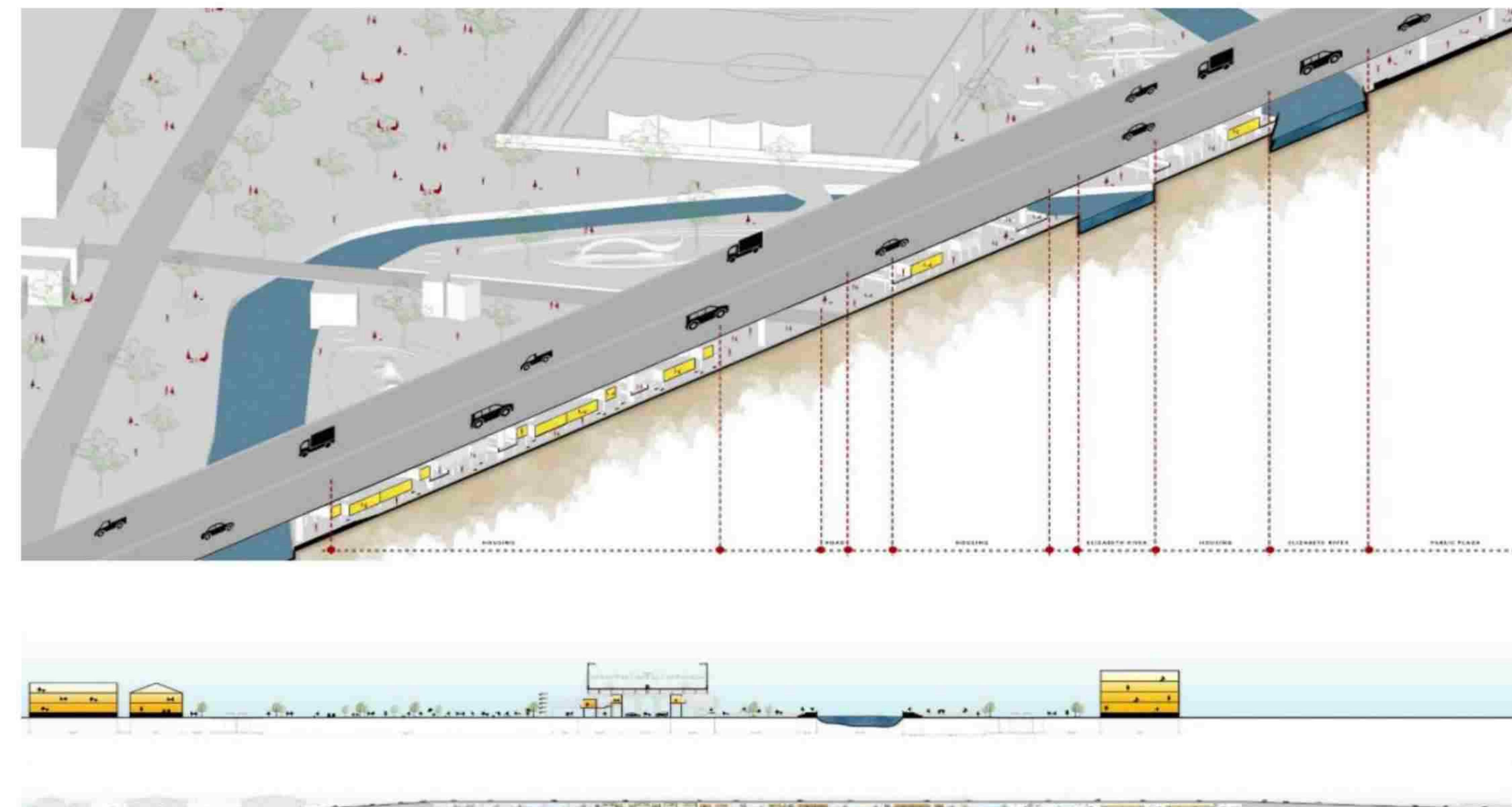
DEVELOPMENT



SECTION CC'



SECTION AA'





Riverside Reflections

where urban and open space meet.





GIS-Based Urban Analysis: Building Age Distribution in New York City

This GIS-based spatial analysis presents the building age distribution across New York City, utilizing geospatial data to visualize the historical development of the urban fabric. The map employs a color-coded legend, classifying buildings based on their construction period, ranging from 1652 to 2025. Older buildings are depicted in cooler tones (blues and greens), while newer developments appear in warmer hues (oranges and reds), providing a clear chronological progression of the city's growth.

By leveraging Geographic Information Systems (GIS), this analysis serves multiple urban planning purposes, including historical preservation, zoning regulation, and infrastructure development. The visualization highlights the density and distribution of old vs. new buildings, allowing urban planners to identify areas in need of redevelopment, structural reinforcements, or conservation efforts. Additionally, this data can support policy-making for sustainable city growth, heritage site management, and climate resilience planning by assessing the impact of aging structures on urban sustainability.

The spatial distribution of building ages also offers insights into how New York City has expanded over centuries, reflecting major historical events, architectural trends, and economic booms that influenced construction patterns. Areas with older building clusters may indicate historical districts, while newer constructions highlight areas of urban renewal and expansion. Furthermore, this GIS analysis can be integrated with other datasets, such as land use, population density, and environmental impact, to create a more comprehensive urban development strategy.

In summary, this GIS-based visualization is a powerful tool for city planners, architects, historians, and policymakers to understand urban evolution, manage infrastructure efficiently, and guide future development in a data-driven manner.

Building Age Visualization of Lower Manhattan and Brooklyn Using GIS



DESIGN STUDENT HUB:

Area: 4600 sqm

Set backs: 6m each side. Capacity: 3800 students

SPATIAL AREAS: Parking(CELLAR)-3079 sqm Ground floor:

Cycle parking- 100 sqm Reception+waiting-150 sqm Security room-30

sqm Staircase+lift-110 sqm Toilets-400 sqm

Exhibit area-225 sqm

Outdoor area- 649 sqm

Computer room-225 sq m

A.V rooms-600 sqm

Multipurpose common areas- 600 sqm

First floor:

Toilets-400 sqm

Staircase + lift- 110 sqm

Library-570 sqm

Drafting rooms- 750 sqm

Server room- 80 sqm

Multipurpose common areas- 420 sqm

Semi outdoor space- 749 sqm

Second floor:

Toilets-400 sqm

Staircase + lift- 110 sqm

Café- 599 sqm

Gaming area- 420 sqm

Semi-outdoor space(terrace space)-800 sqm.

DESIGN STUDENT HUB



"HELIX" TABLE



SPIRAL WALL LAMP



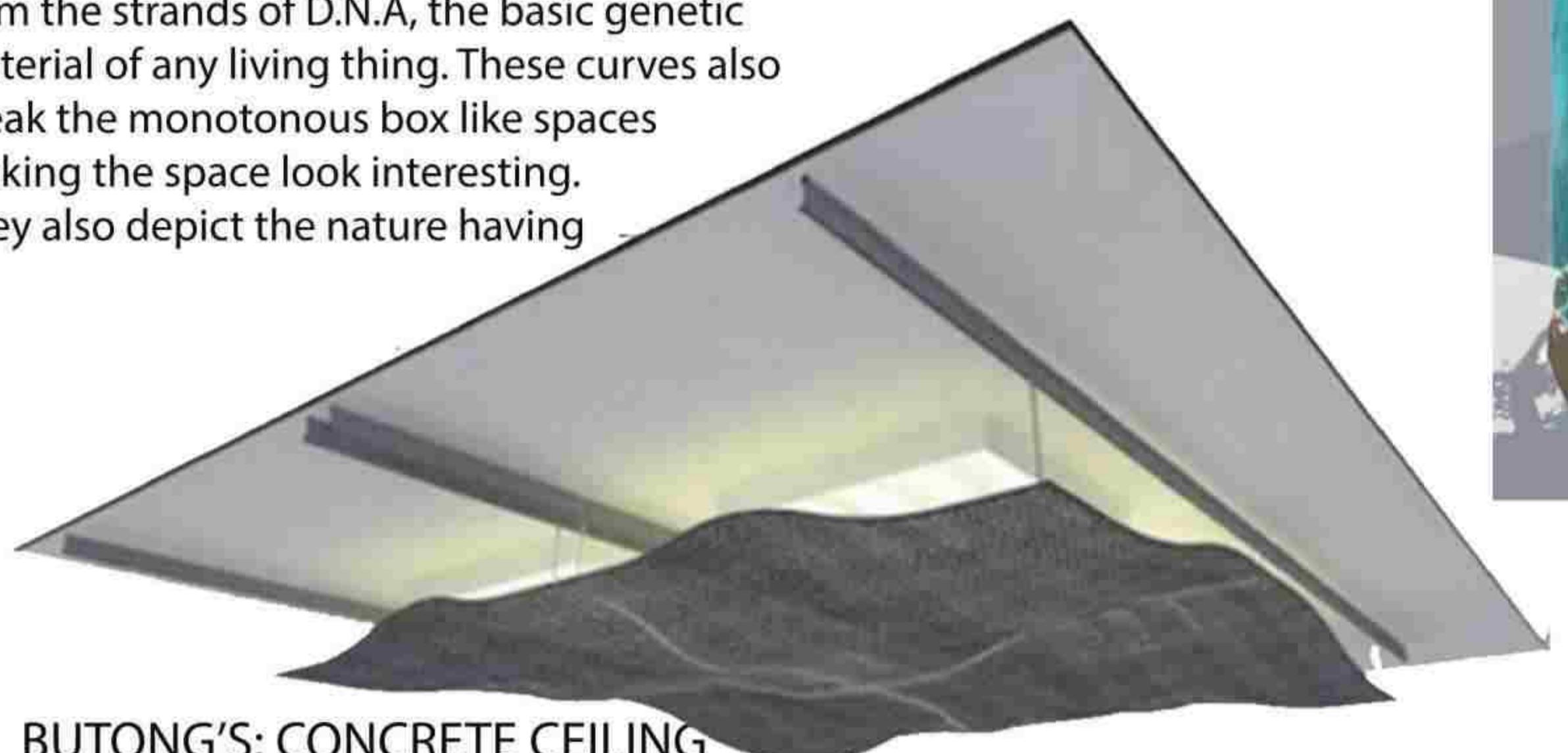
DNA-UPHOLSTERED MODULAR BENCH



SPIRAL STAIRCASE WITH A CIRCULAR GLASS WALL AROUND IT AND A WATERFALL



CONCEPT: Wavy design elements as the main repetitive feature for the hub taking inspiration from the strands of D.N.A, the basic genetic material of any living thing. These curves also break the monotonous box like spaces making the space look interesting. They also depict the nature having

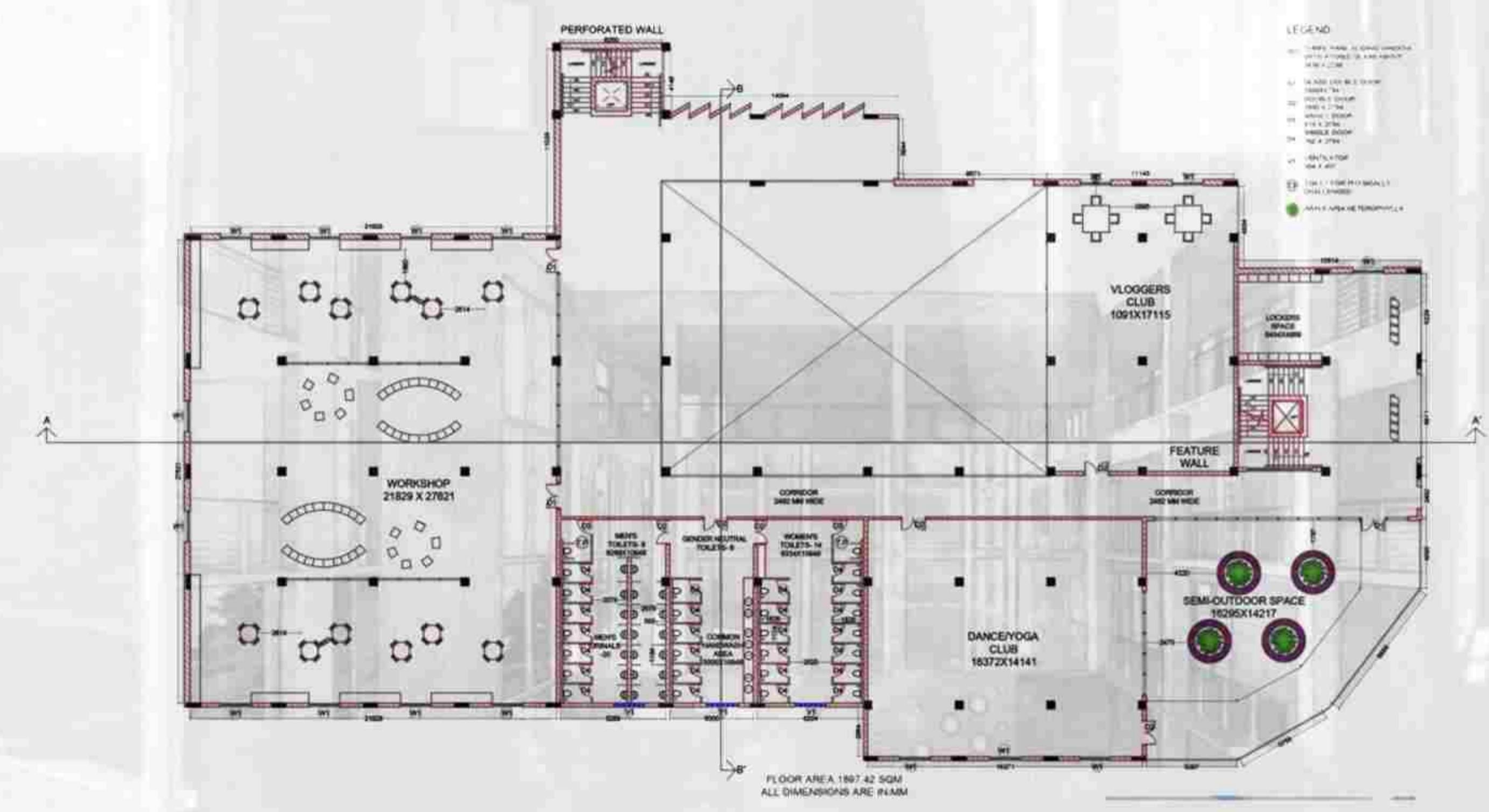
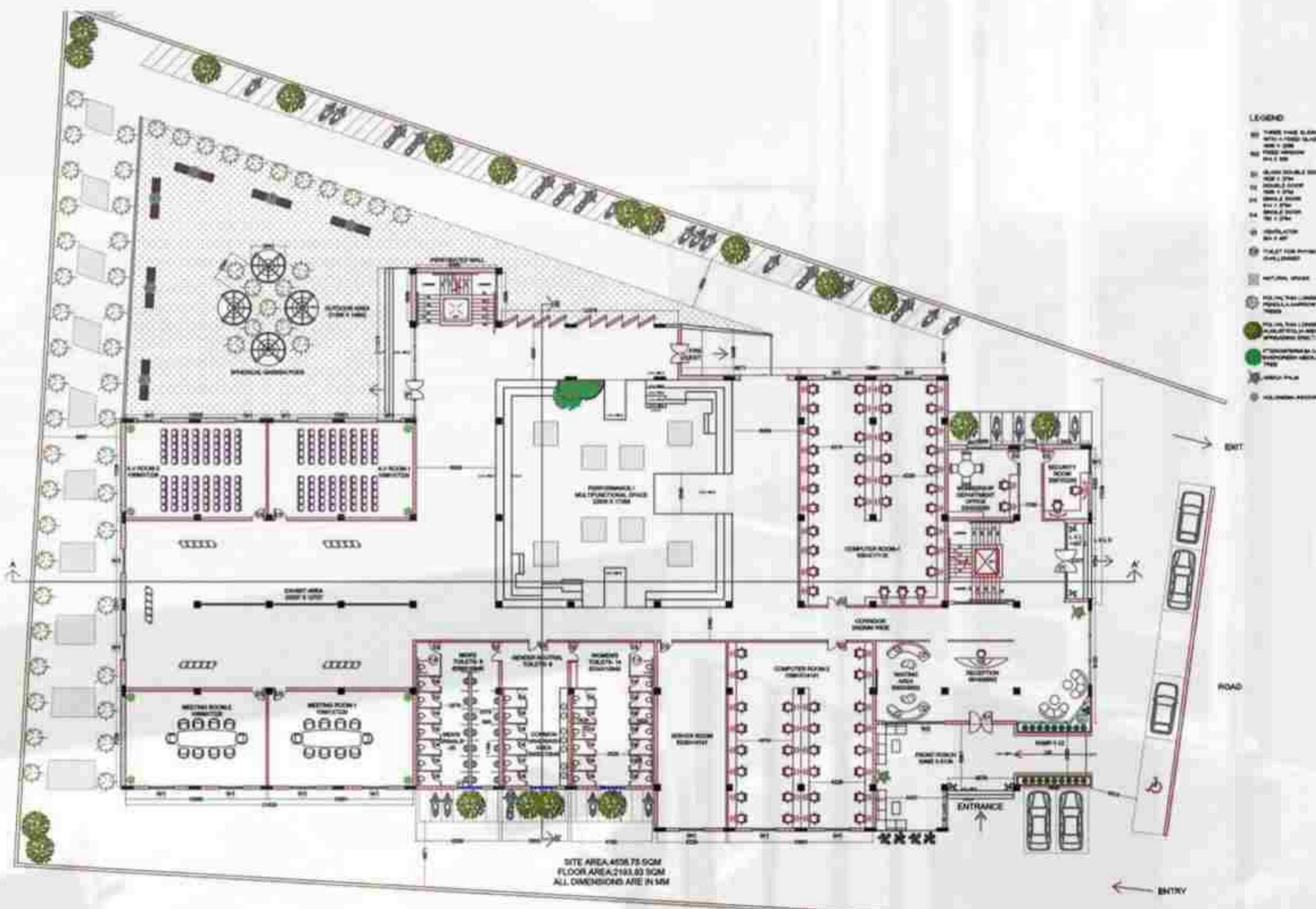


BUTONG'S CONCRETE CEILING





FIRST FLOOR - PRESENTATION PLAN

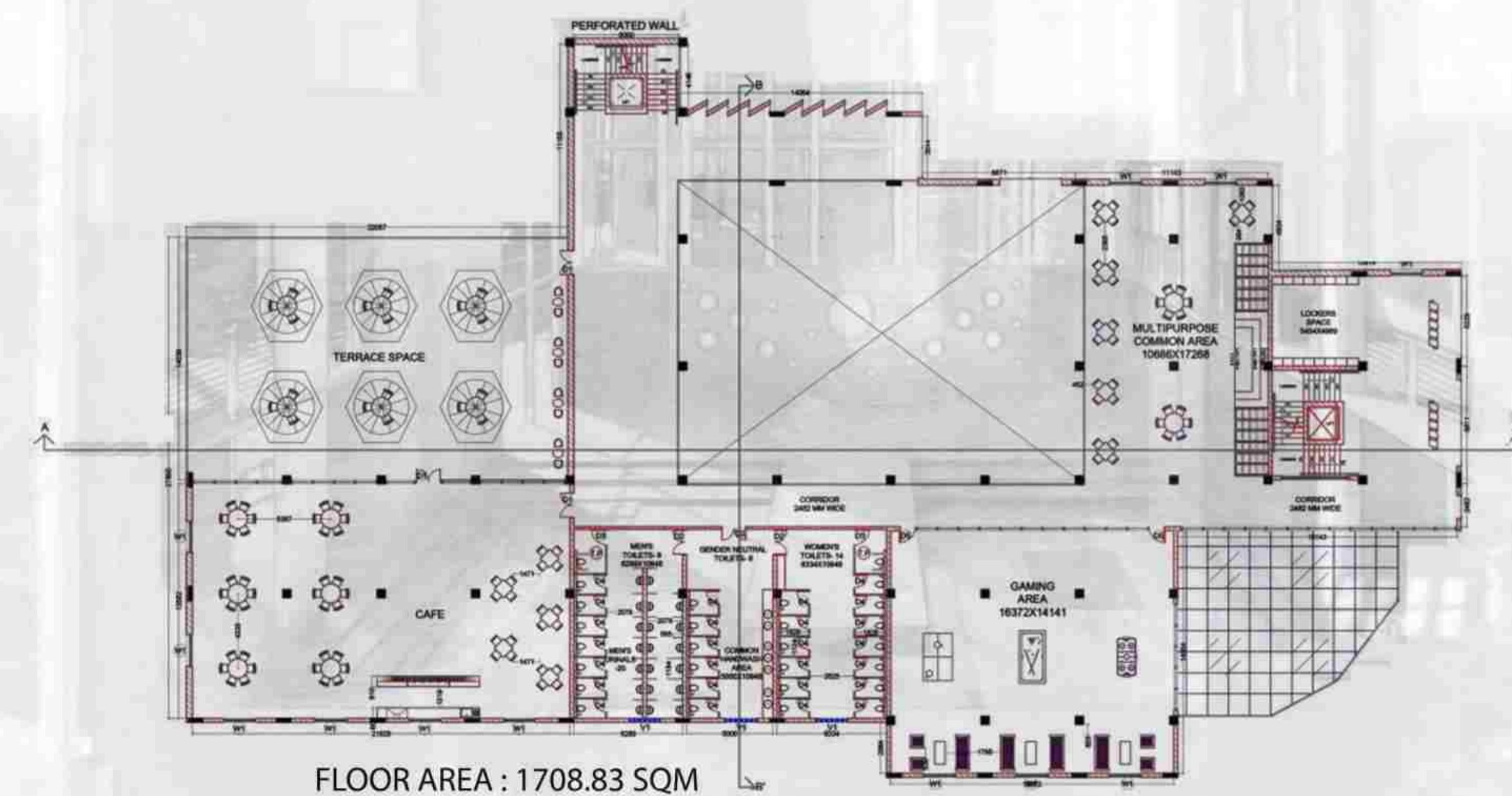
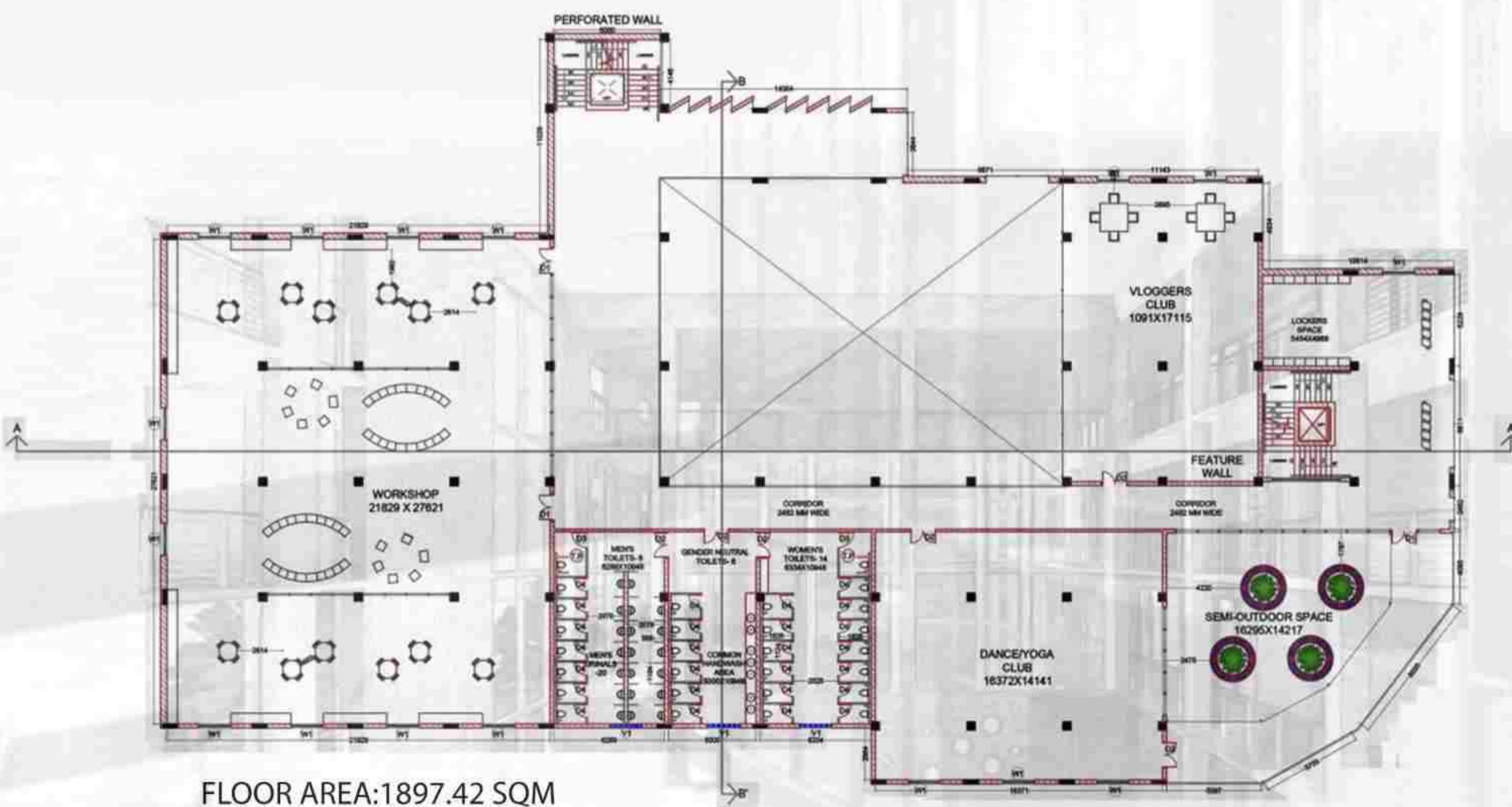


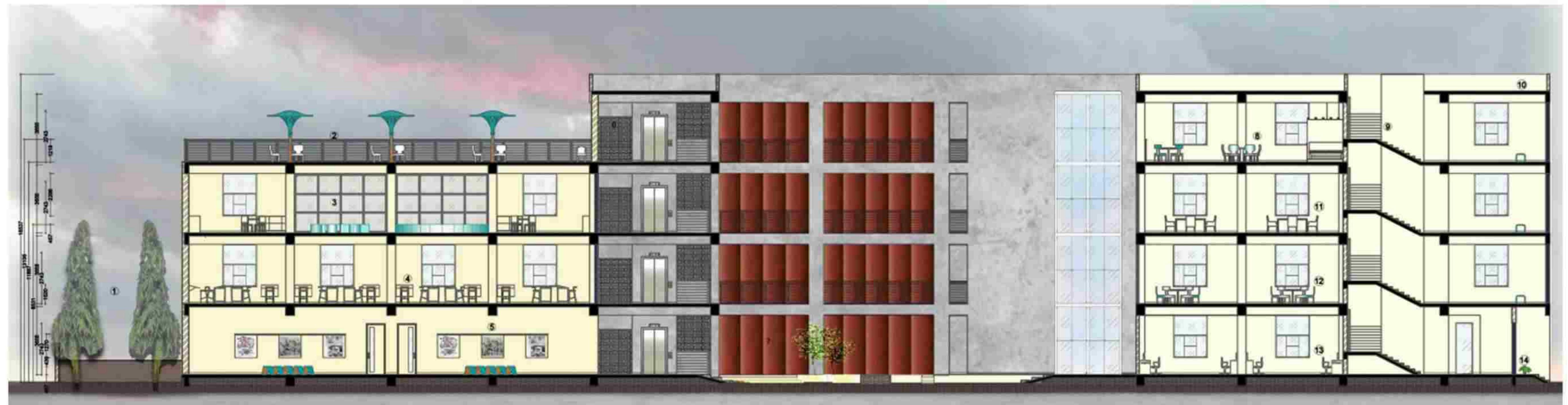


SECOUND FLOOR PRESENTATION PLAN



THIRD FLOOR PRESENTATION PLAN

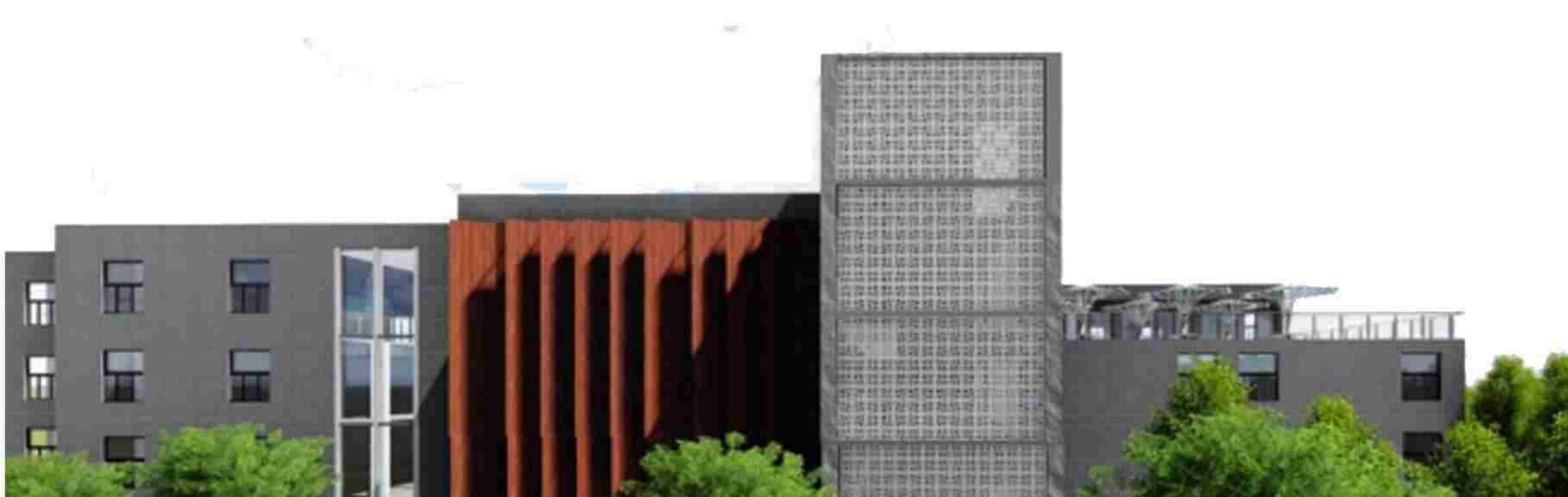
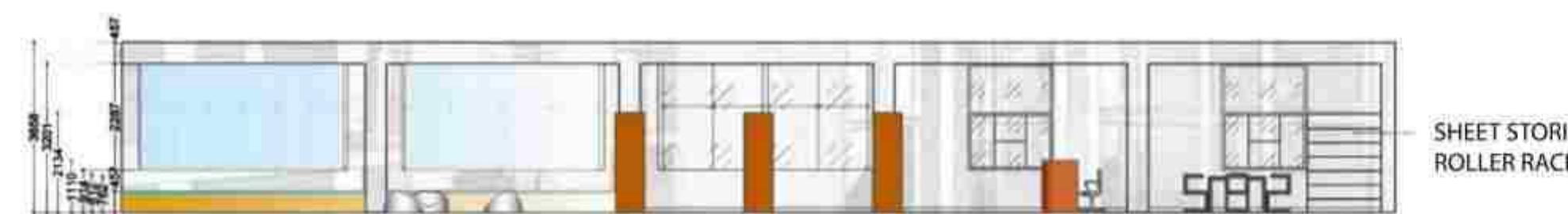
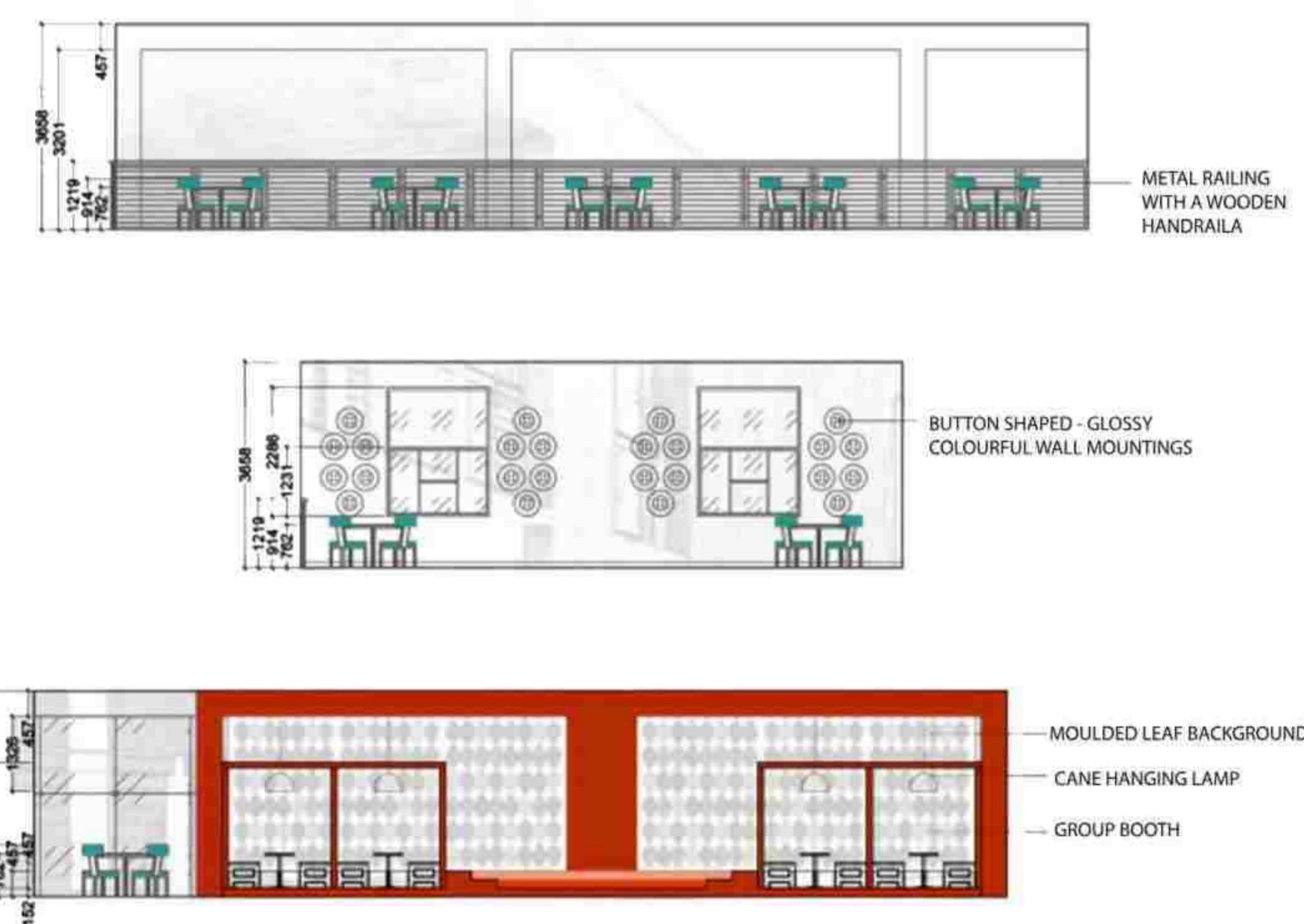


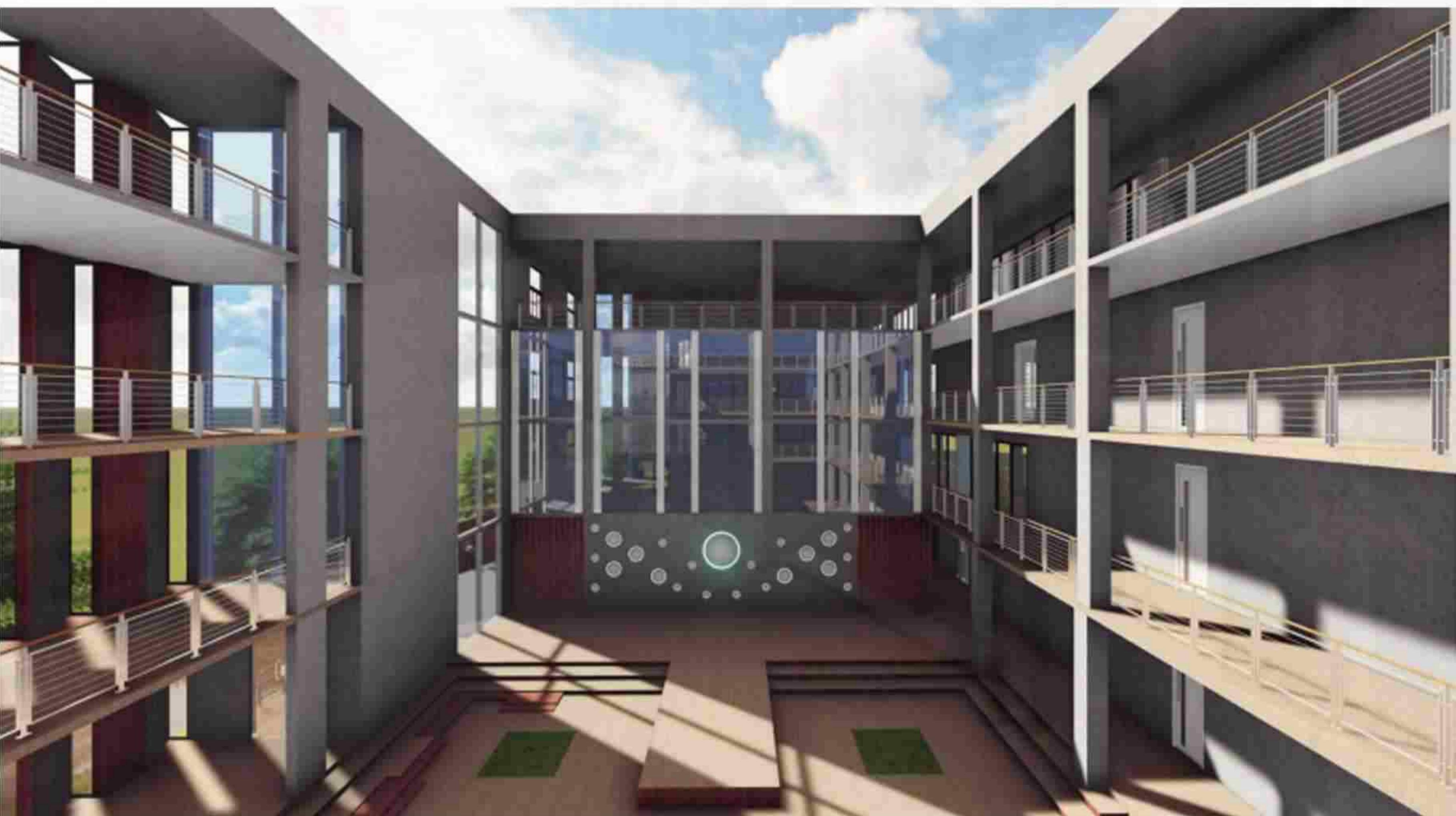
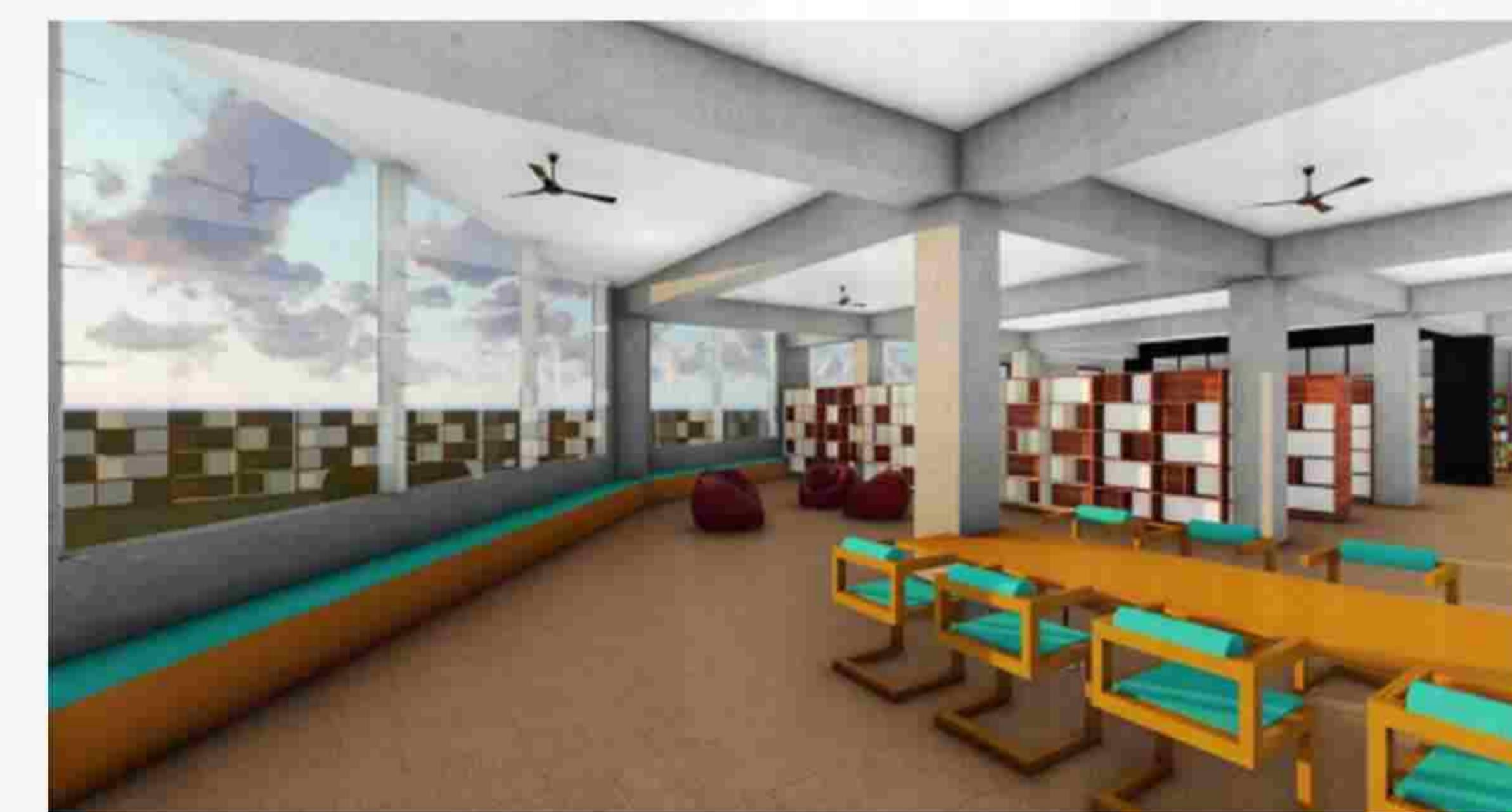
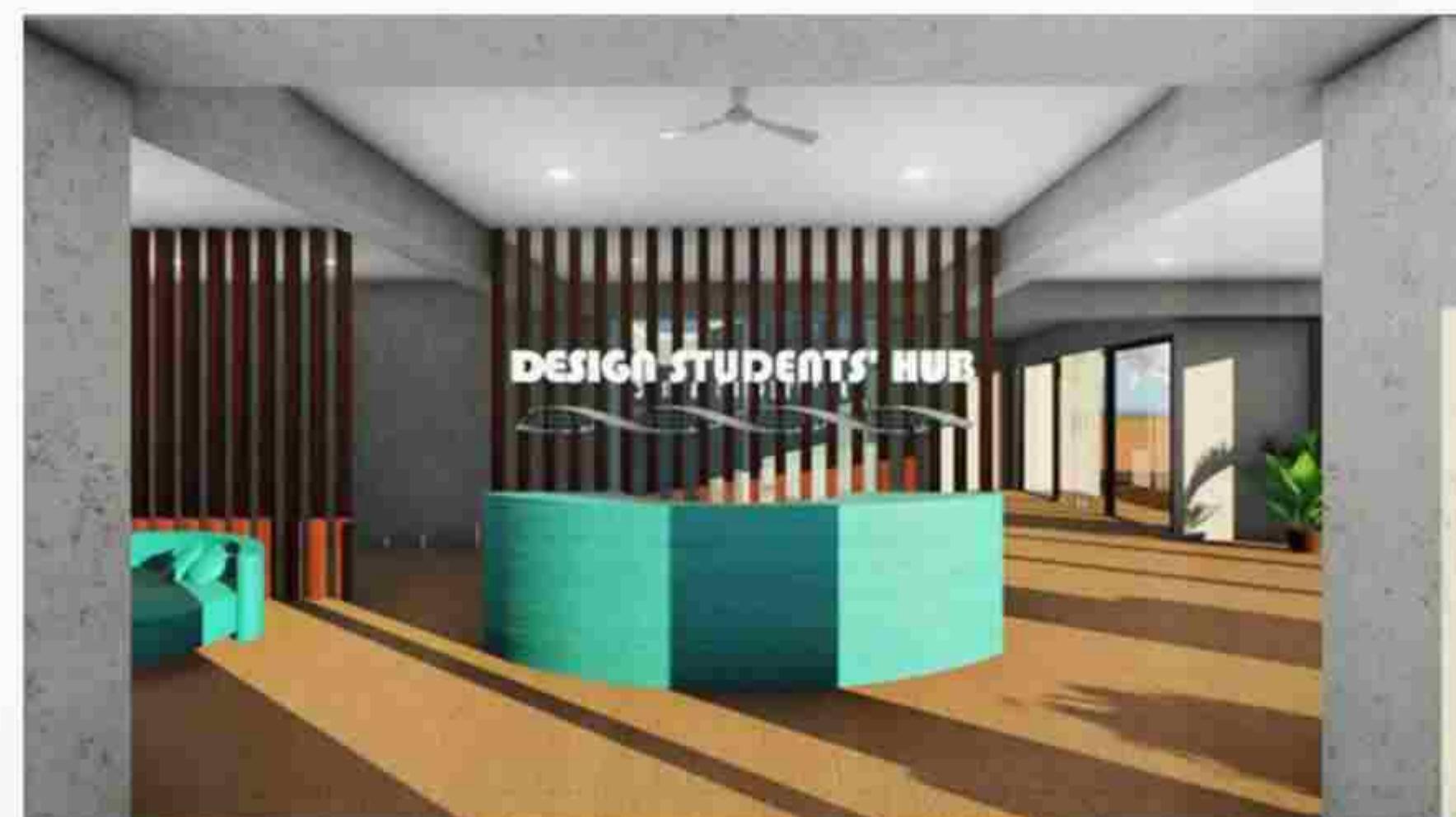


SECTIONAL ELEVATION A-A'



SECTIONAL ELEVATION B-B'





CENTRAL PERFORMANCE/MULTIFUNCTIONAL AREA OF THE HUB

Revit-Based Design and Analysis

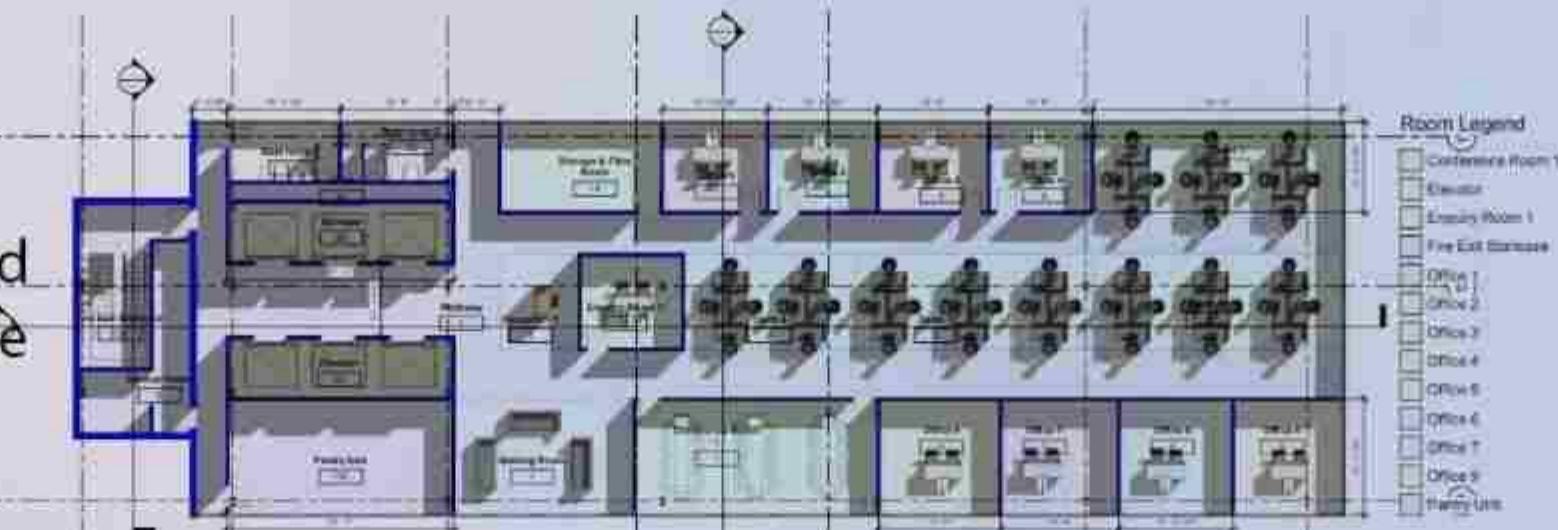
This project showcases a high-rise building designed using Autodesk Revit, integrating detailed architectural planning, sectional elevations, 3D visualizations, and energy efficiency analysis. The design process involves the creation of **floor plans** for multiple levels, ensuring optimal space utilization and functional zoning. Each floor plan is meticulously detailed with annotations and legends, illustrating circulation spaces, material specifications, and architectural components.

The **sectional elevations**, including A-A', B-B', and C-C', provide a vertical cut-through of the structure, showcasing the relationship between different floors, material applications, and facade treatments.

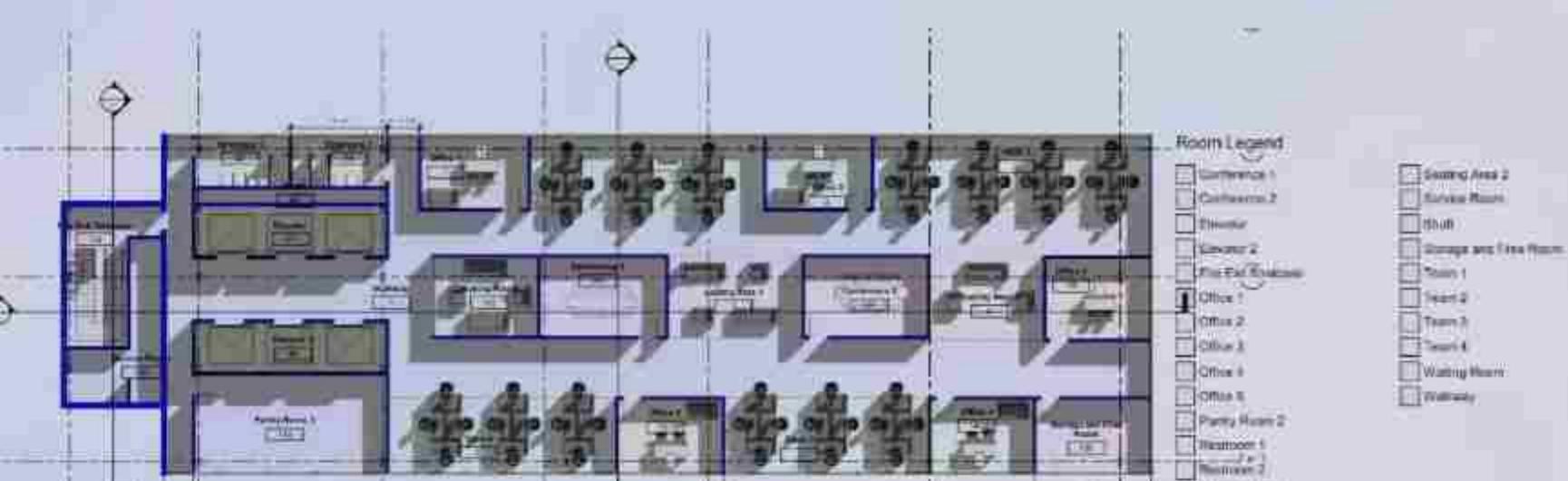
The **3D visualization** of the building enhances the understanding of its form, façade, and spatial arrangement, utilizing high-quality rendering techniques to bring the design to life.

Additionally, **environmental and solar energy analysis** plays a crucial role in optimizing energy efficiency. Through daylight and shadow studies, the design minimizes overheating and enhances natural lighting. Solar panel integration and energy performance simulations further contribute to sustainability, ensuring reduced environmental impact.

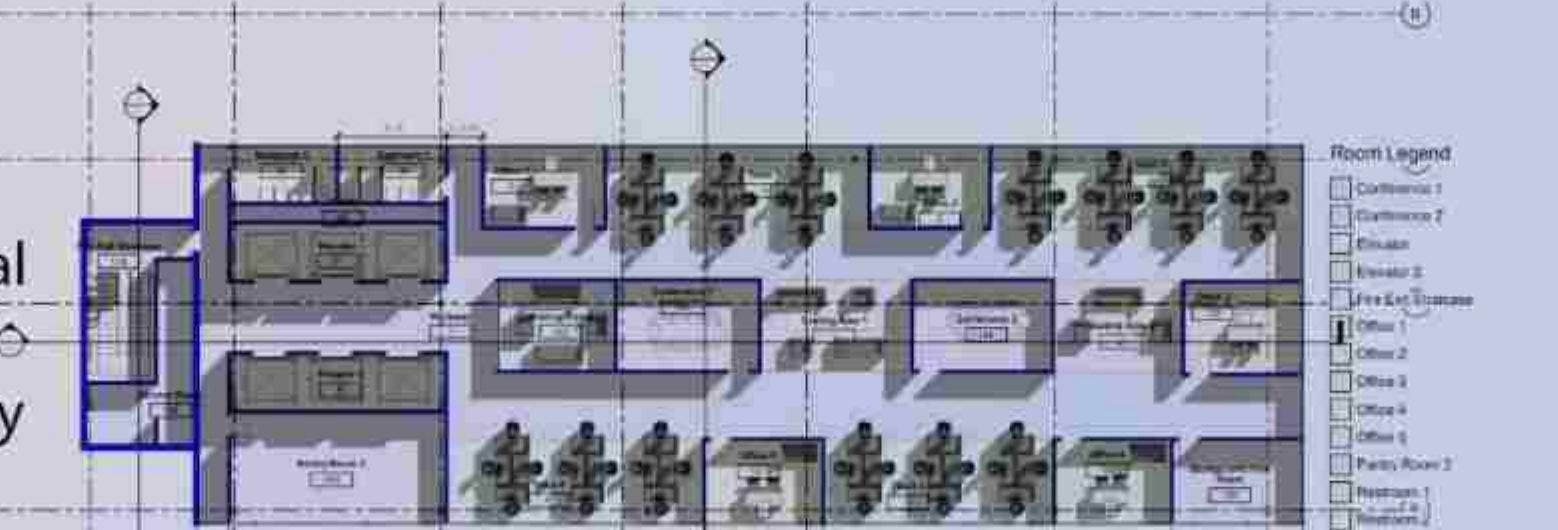
By leveraging **BIM (Building Information Modeling) workflows**, this project demonstrates proficiency in architectural design, energy efficiency analysis, and visualization. The combination of **Revit modeling, environmental simulations, and photorealistic rendering** ensures a well-rounded, functional, and sustainable design approach.



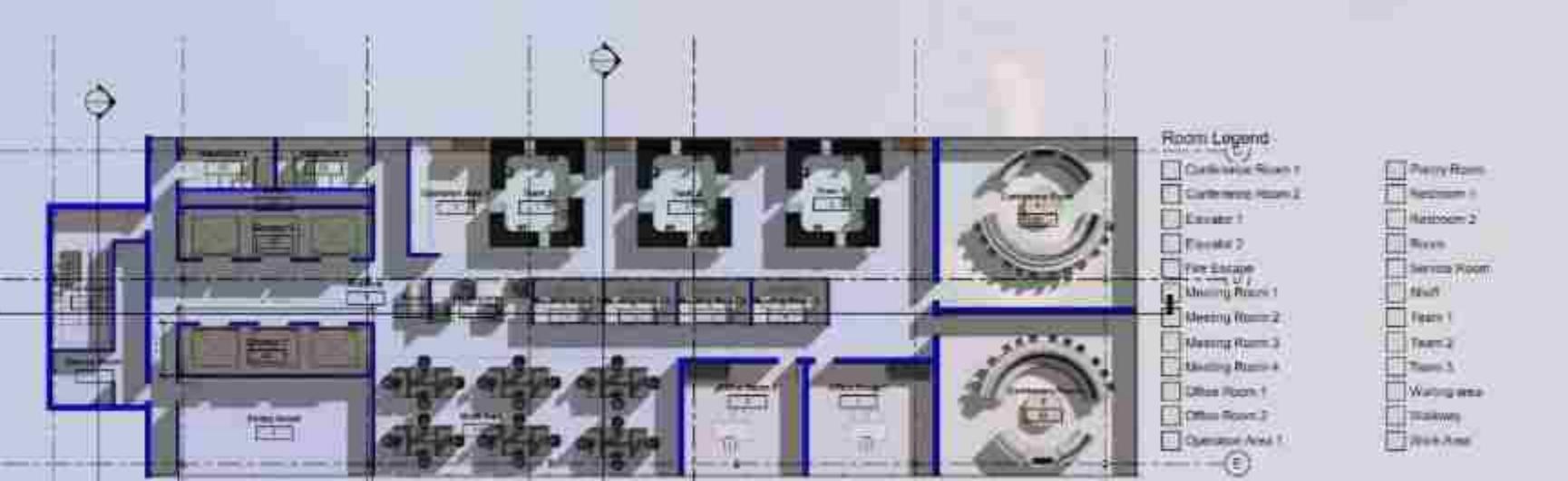
FOURTH FLOOR PLAN



FIFTH FLOOR PLAN



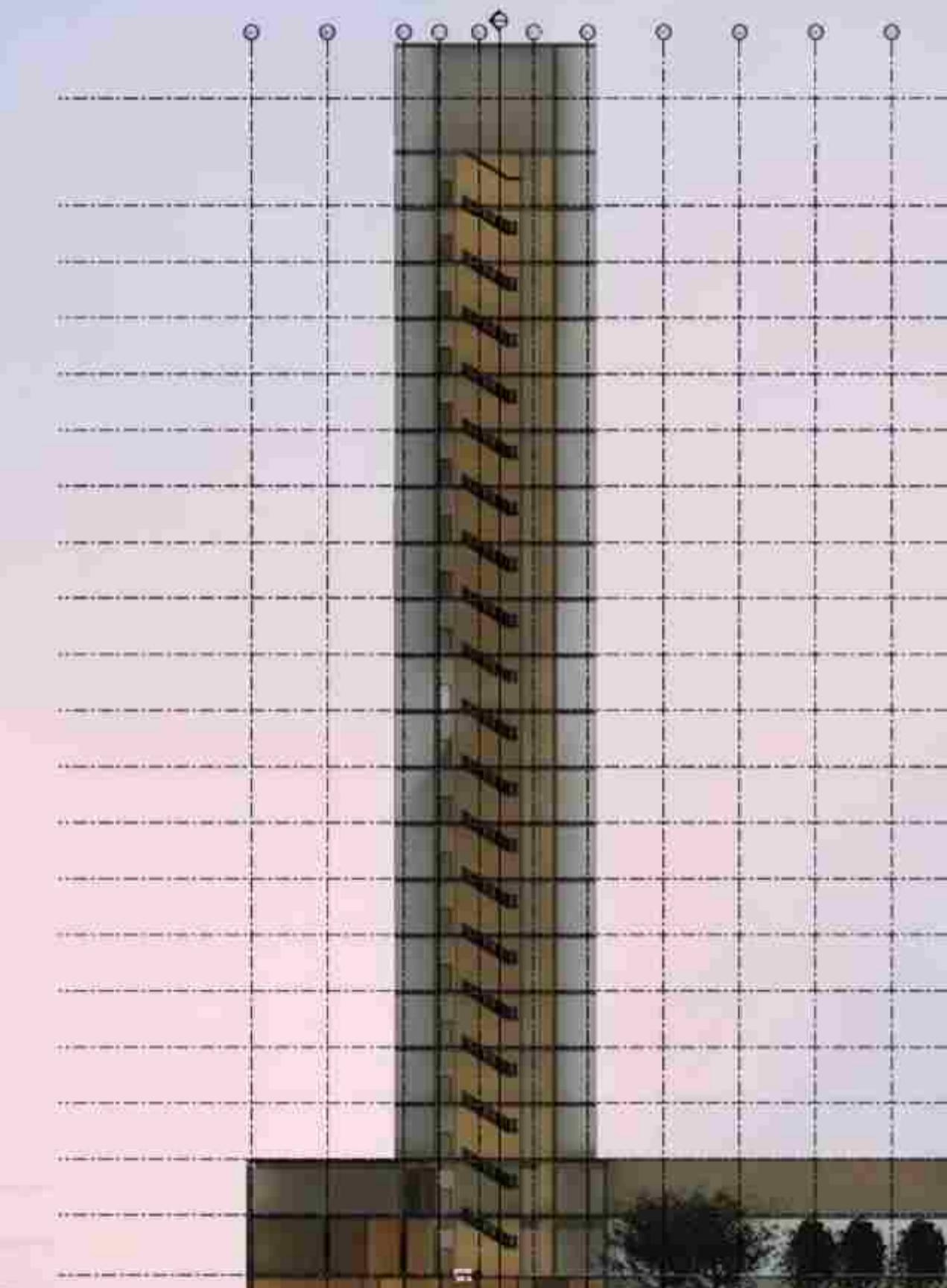
SIXTH FLOOR PLAN



SEVENTH FLOOR PLAN



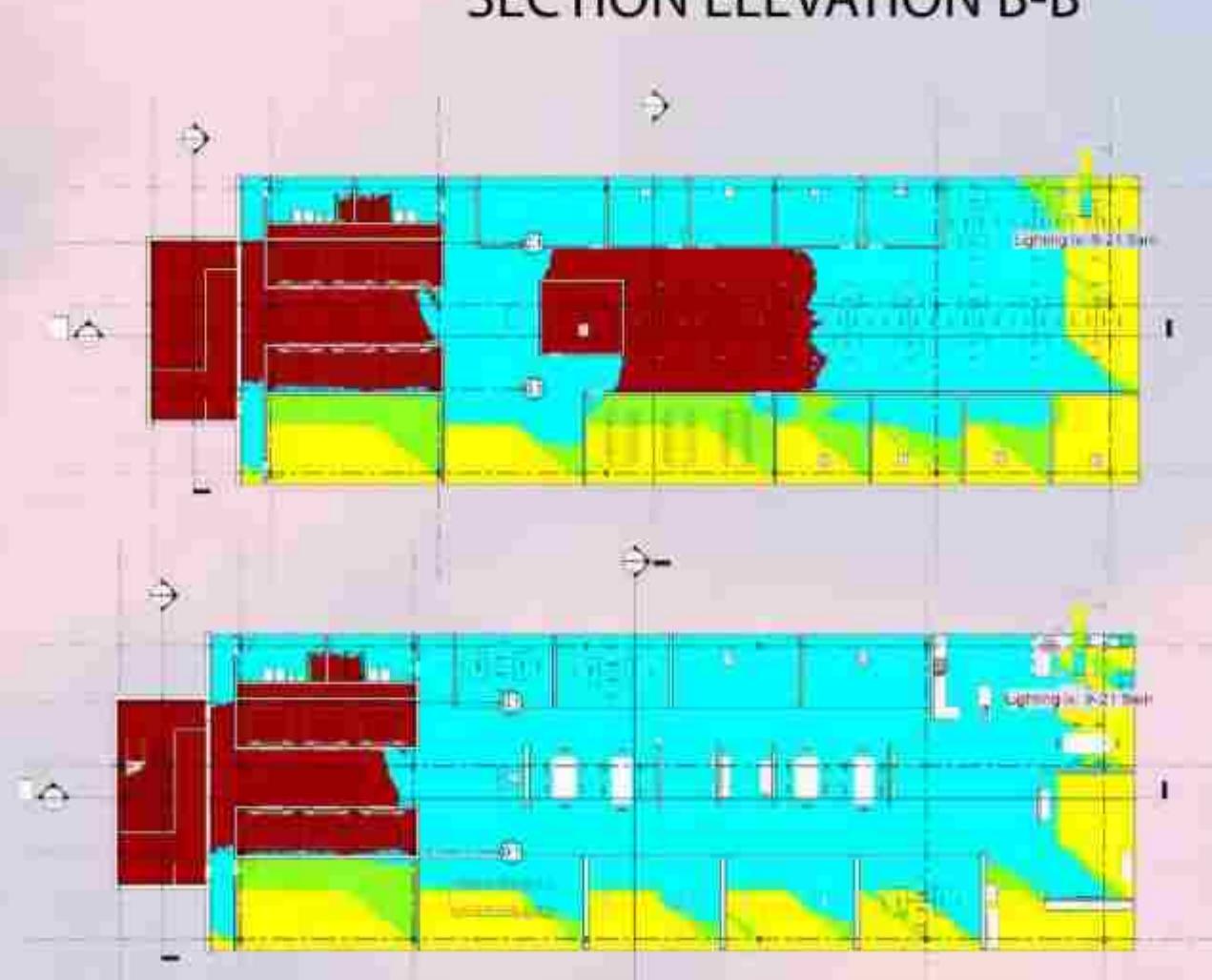
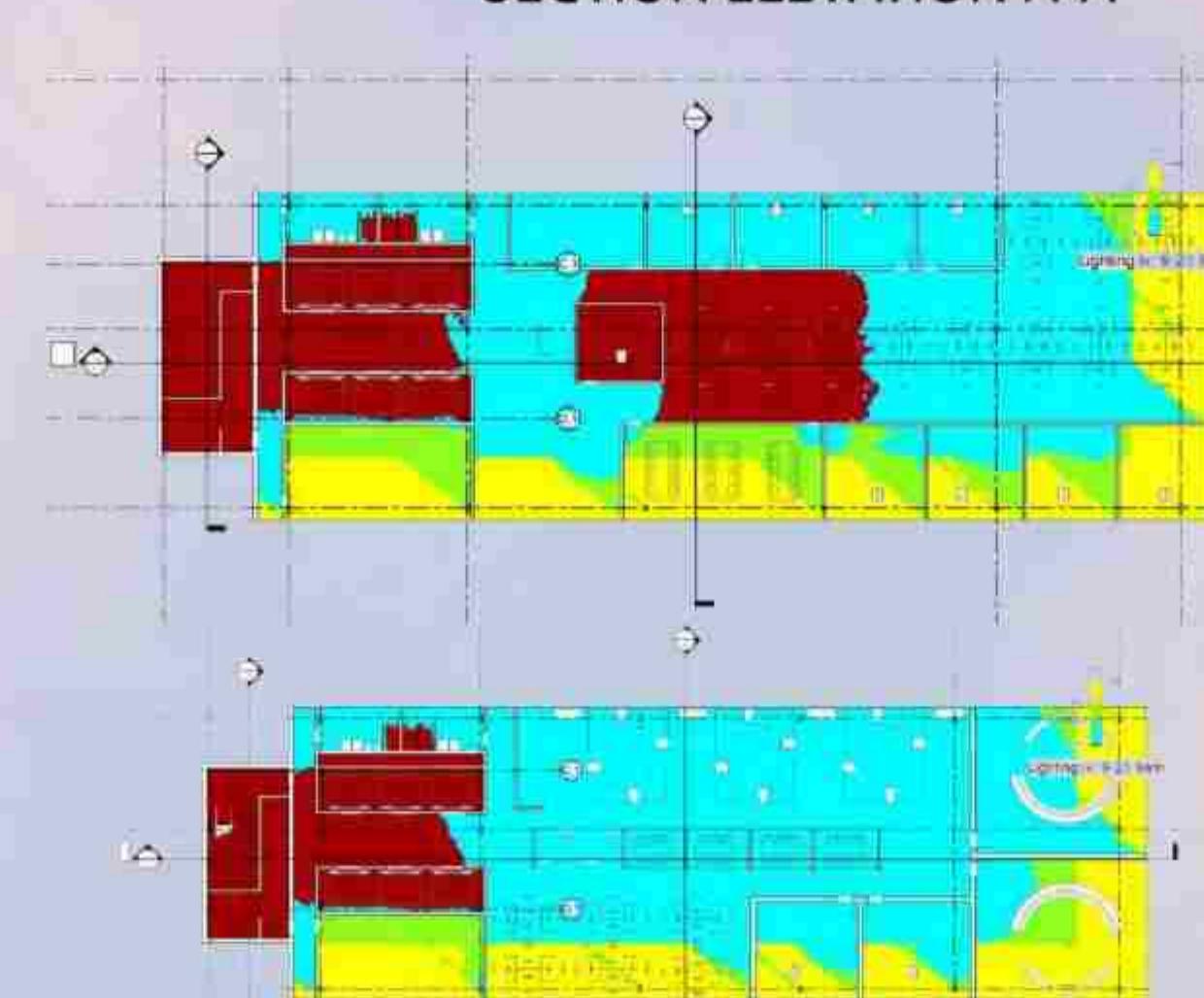
SECTION ELEVATION A-A'

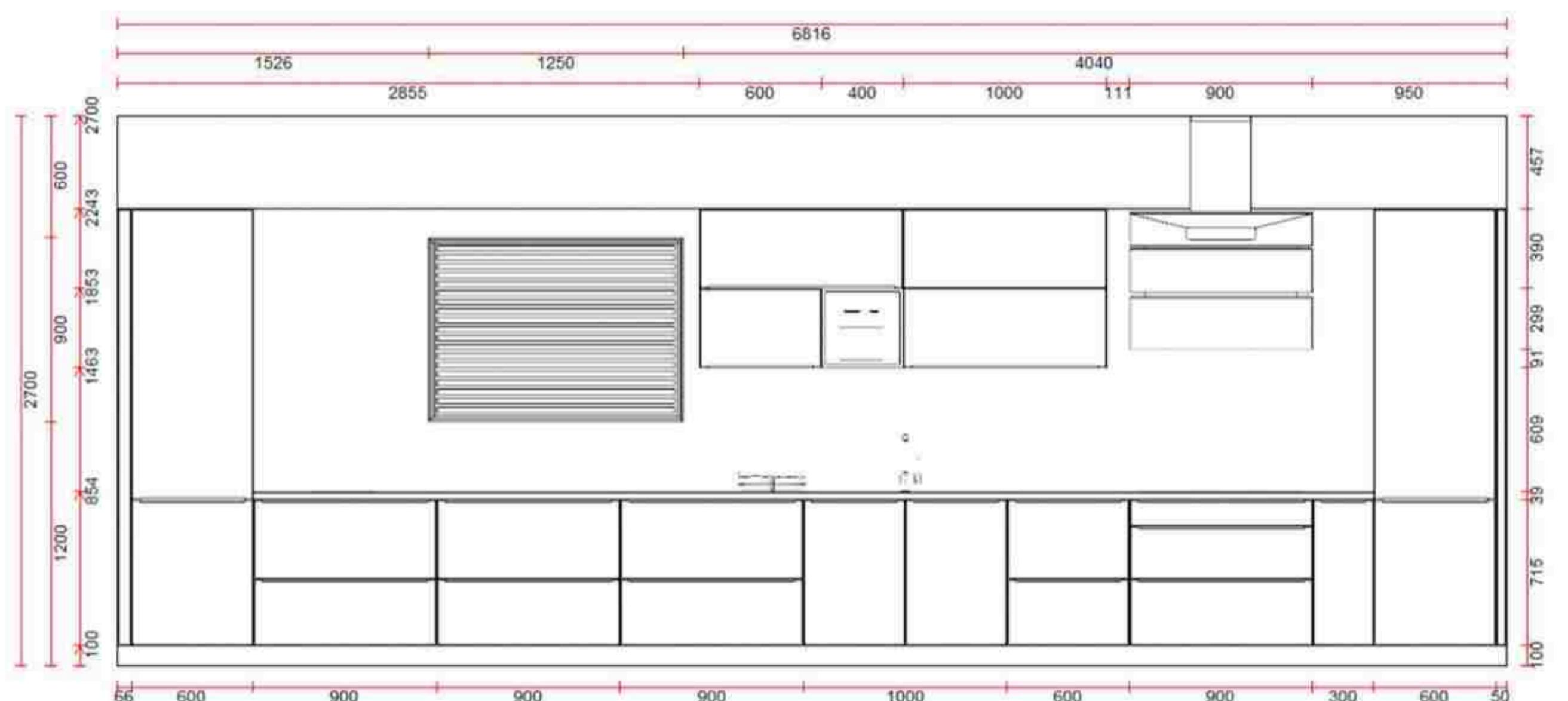
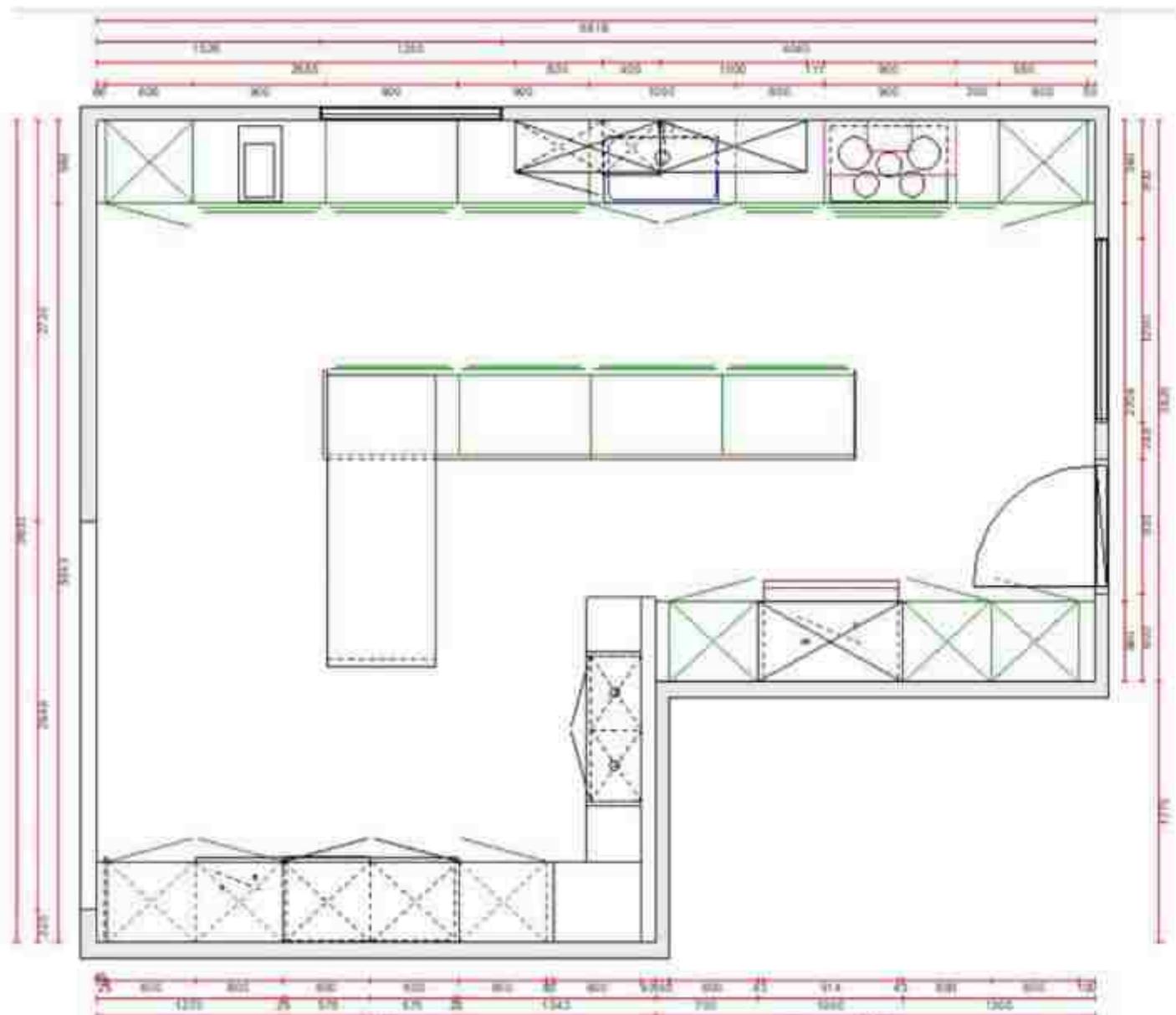


SECTION ELEVATION B-B'



SECTION ELEVATION C-C'





About Hackers Kitchen

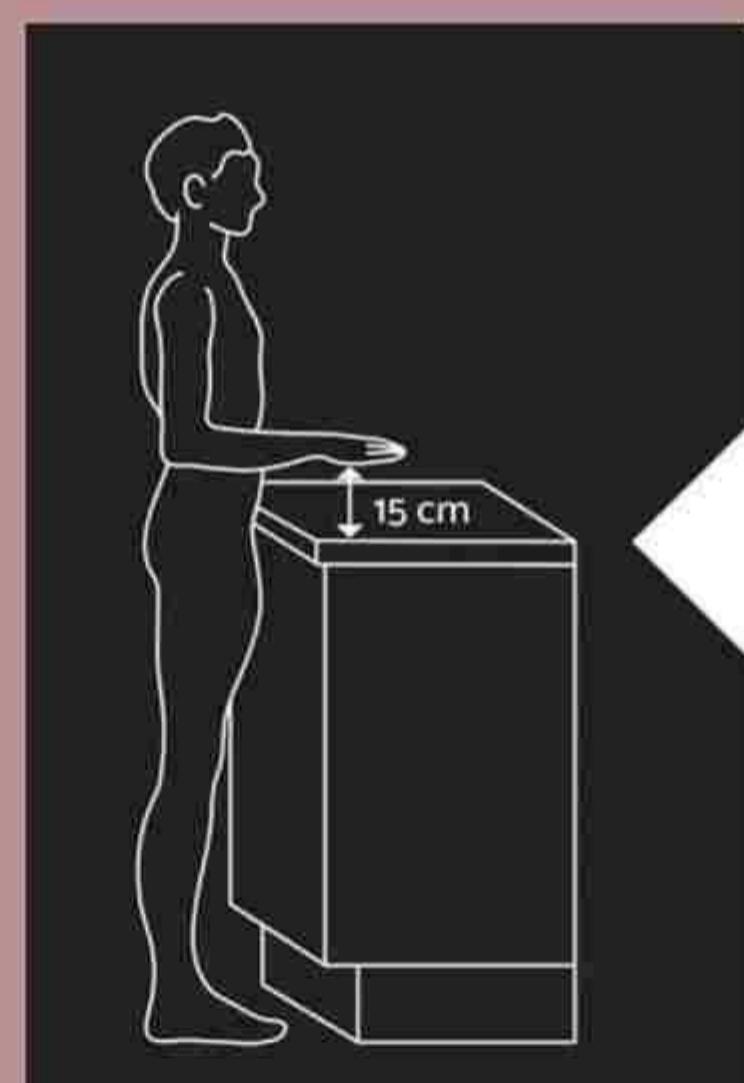
Hacker Produces modern fitted kitchens that fulfil the highest claims in terms of quality, functionality, durability and design. The Hacker name is well known in the sector as a guarantee of sound design, reliability, commitment and success. Hacker is reliable, commitment and success. Hacker is the reliable partner of the specialist trade with sales in more than 80 countries with 39000 trading partners. In India since 2004, Hacker has a network of 16



What happens to a kitchen after years of use? Nothing, if it's a Hacker Kitchen! PUResist is a sophisticated edge bonding technology that is used for fronts, carcasses and surrounding material. The PUR-bonding makes your Hacker Kitchen tropicalized against moisture and steam that is common for kitchens.



Hacker Kitchens has always prioritised safety and sustainability before anything else. All Hacker wooden materials are certified for reduced formaldehyde as per CARB 2 standards making your Hacker Kitchen practically free from cancer-causing emissions



YOUR KITCHEN IS DESIGNED AROUND YOU

Finished Worktop Height

855 mm

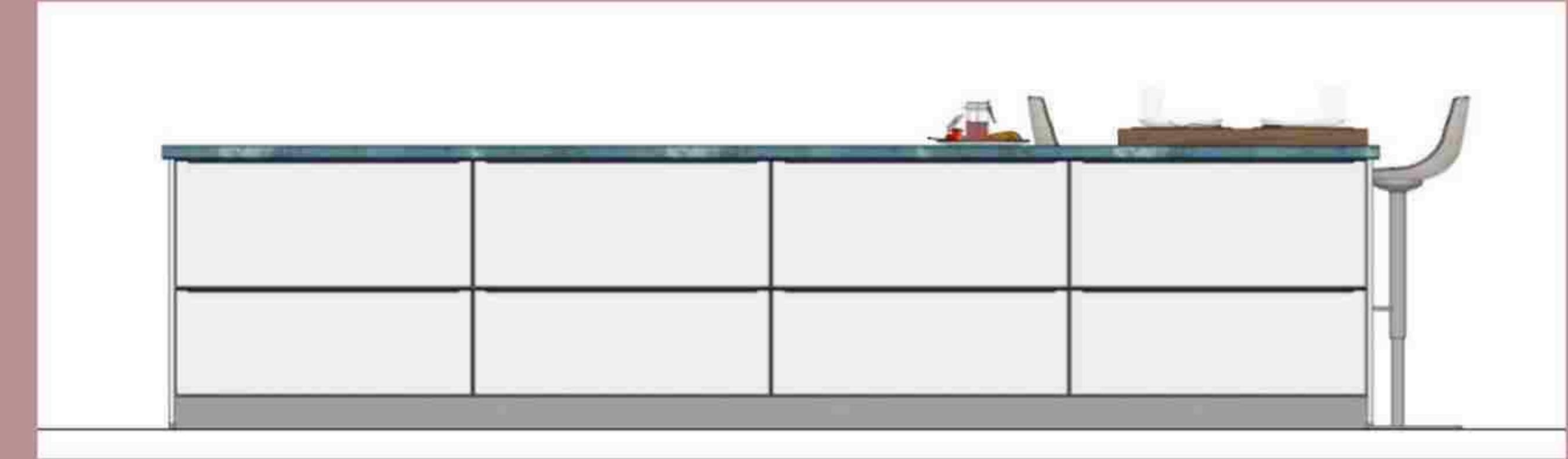
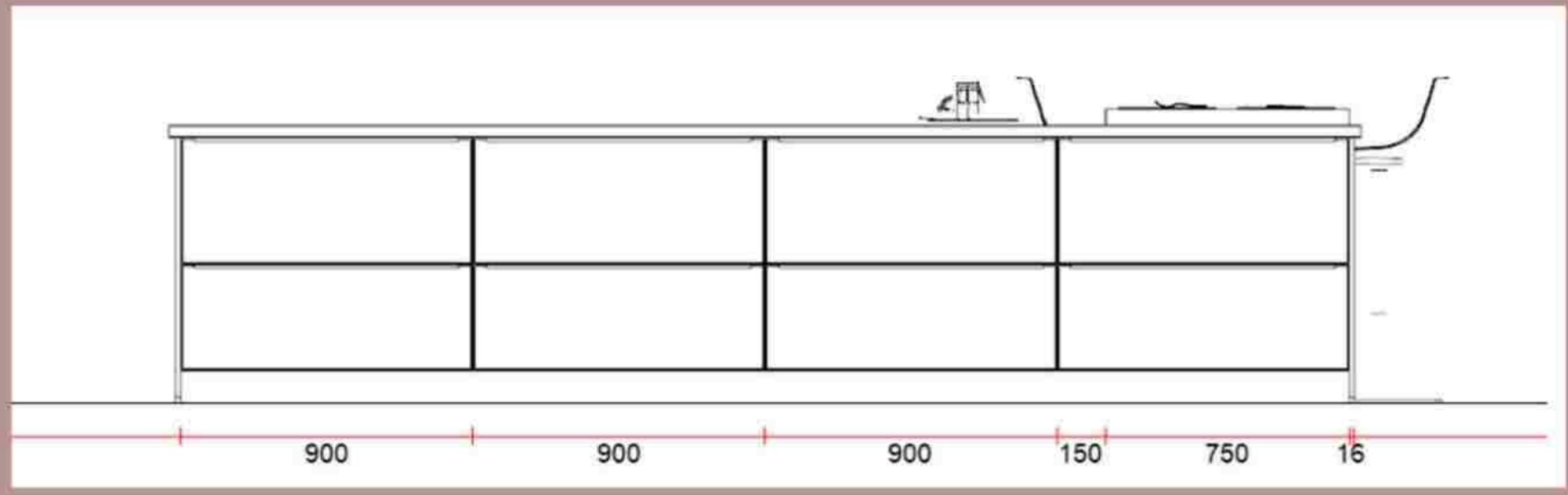
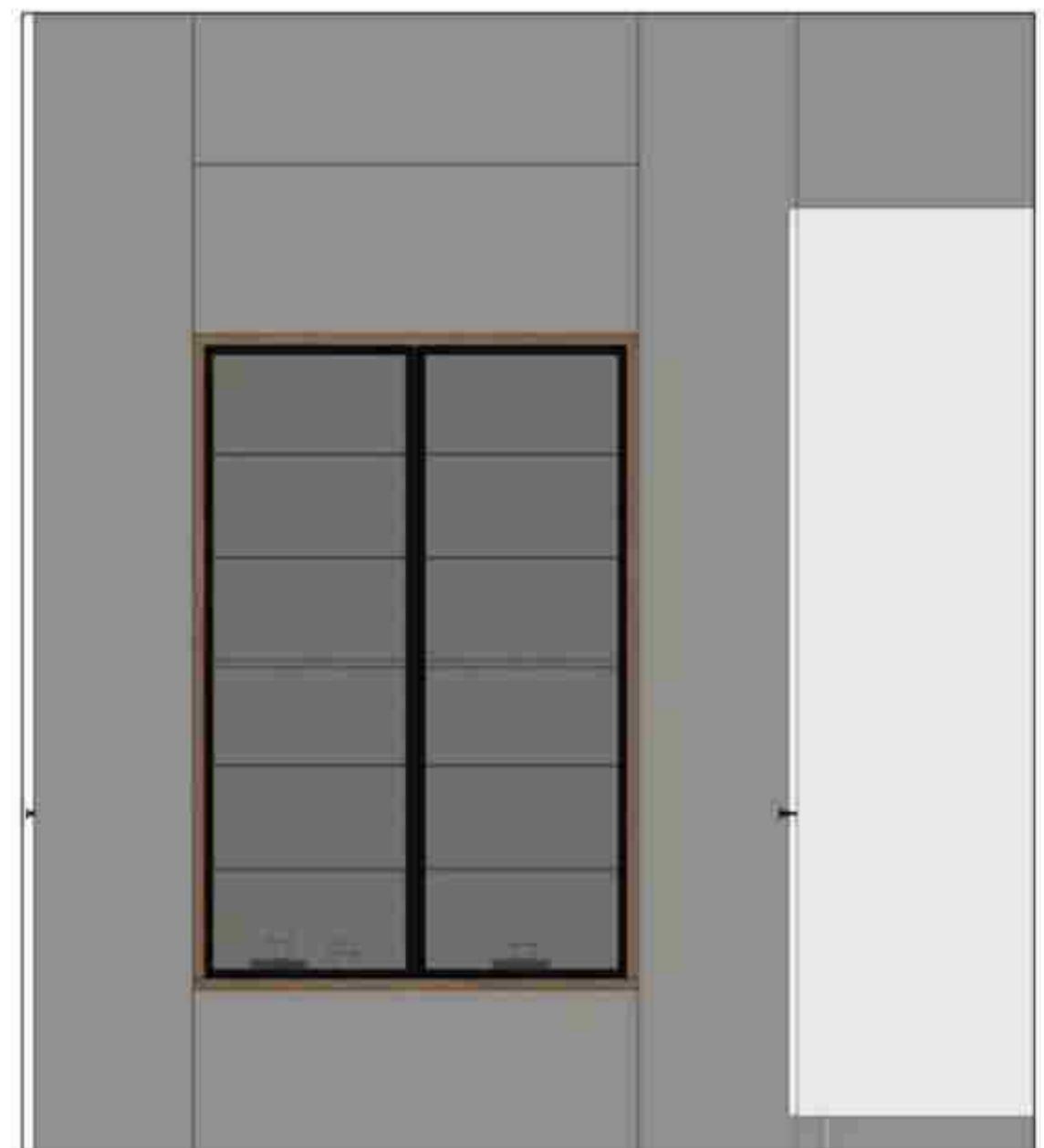
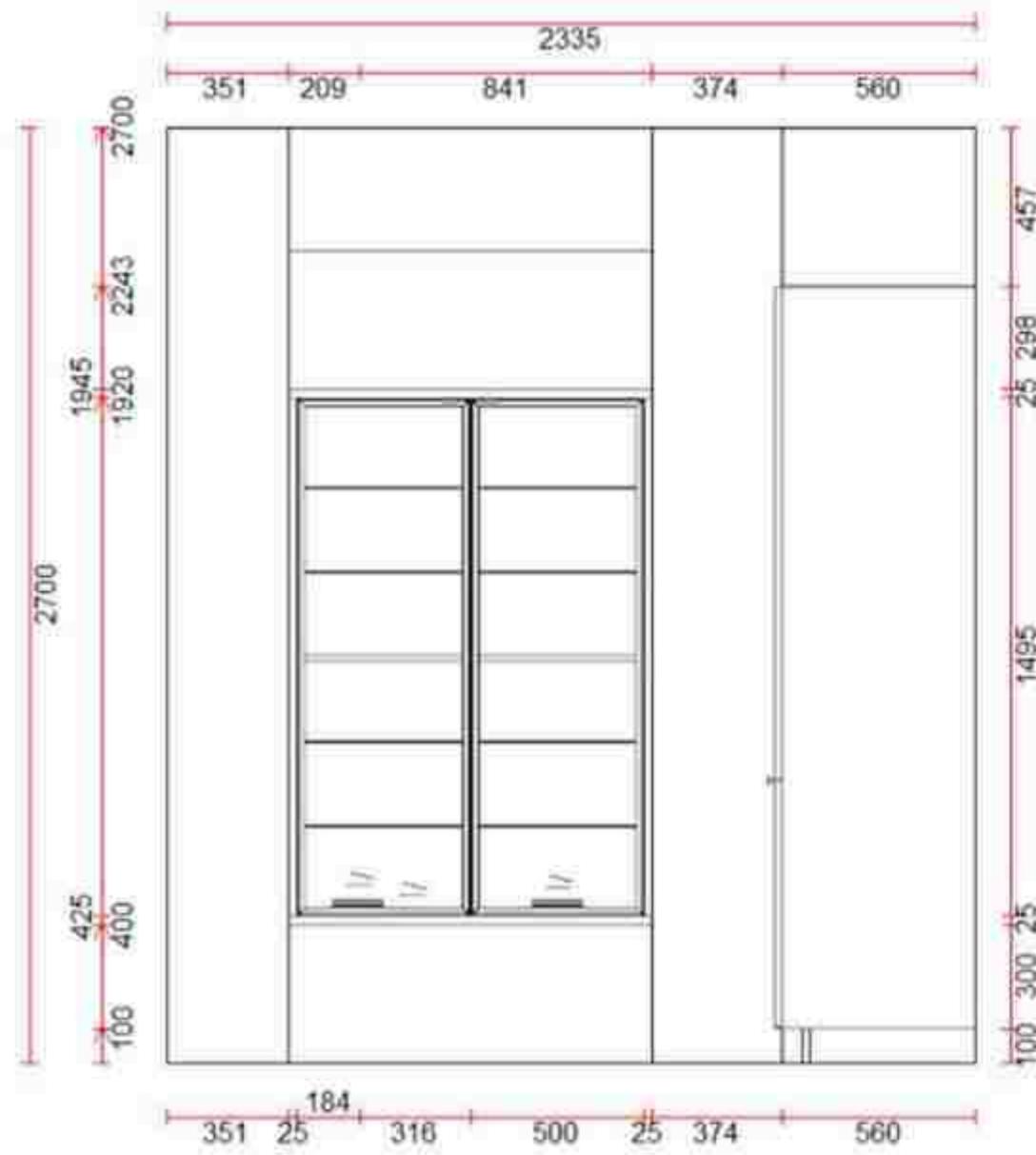
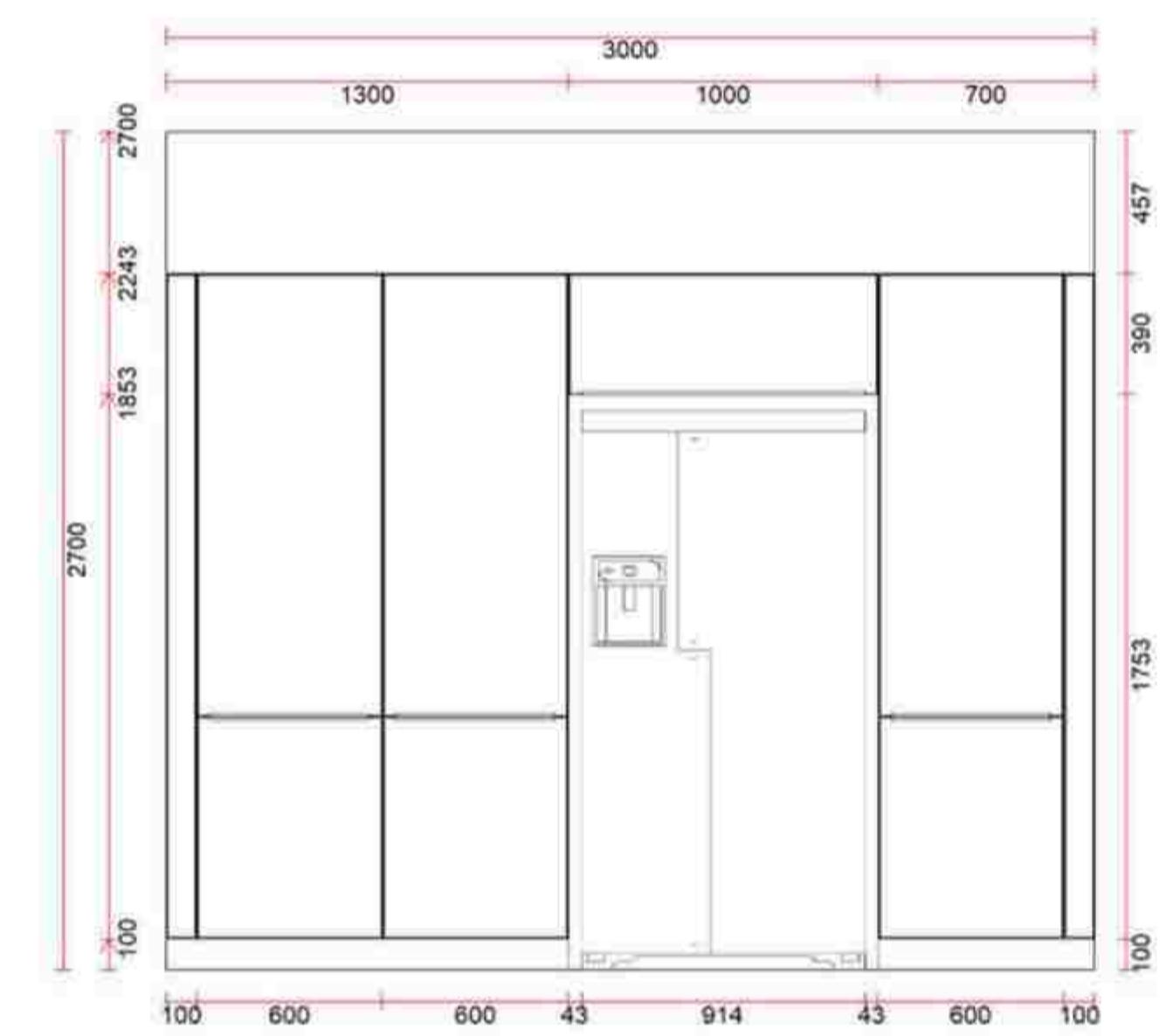
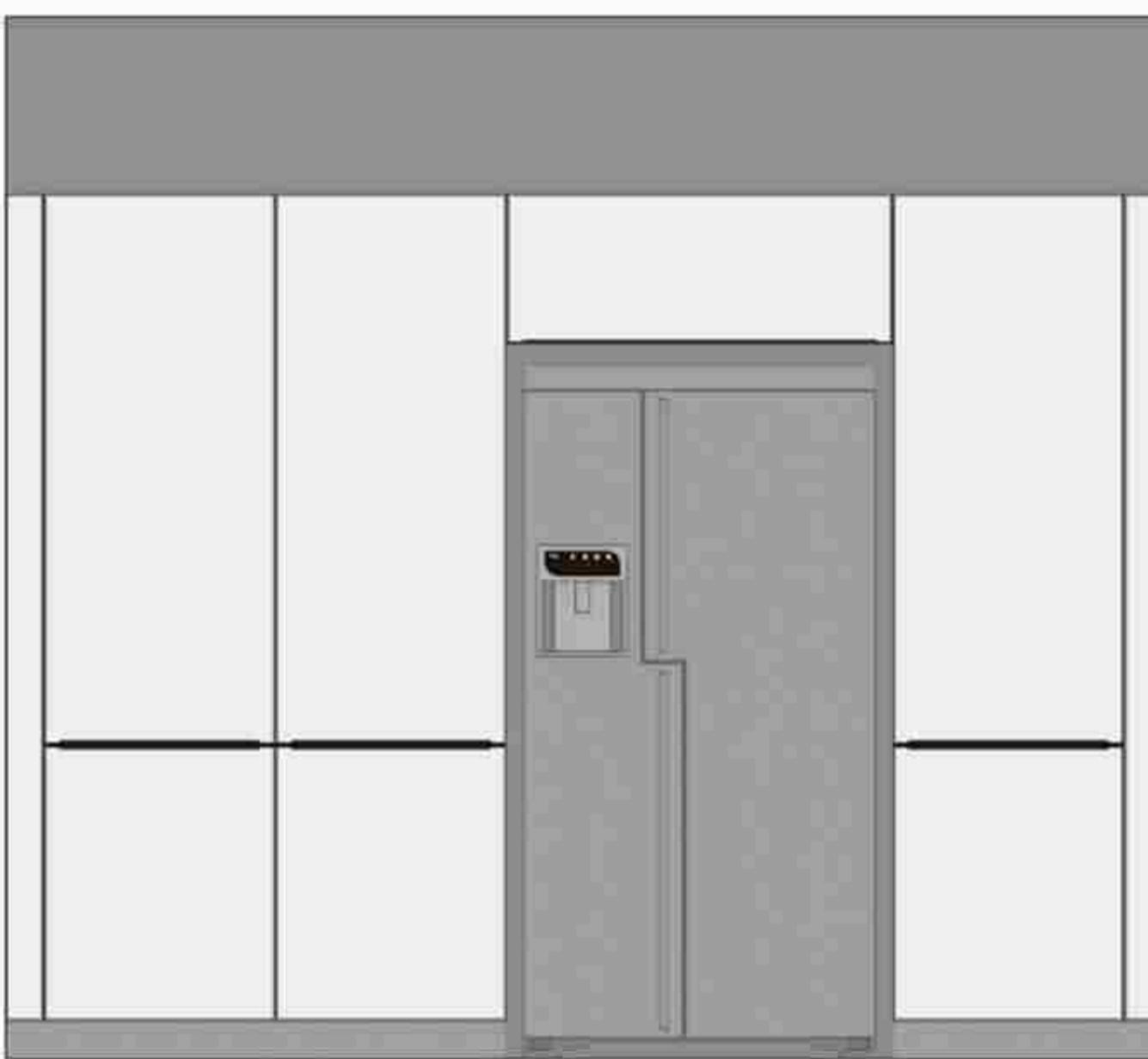
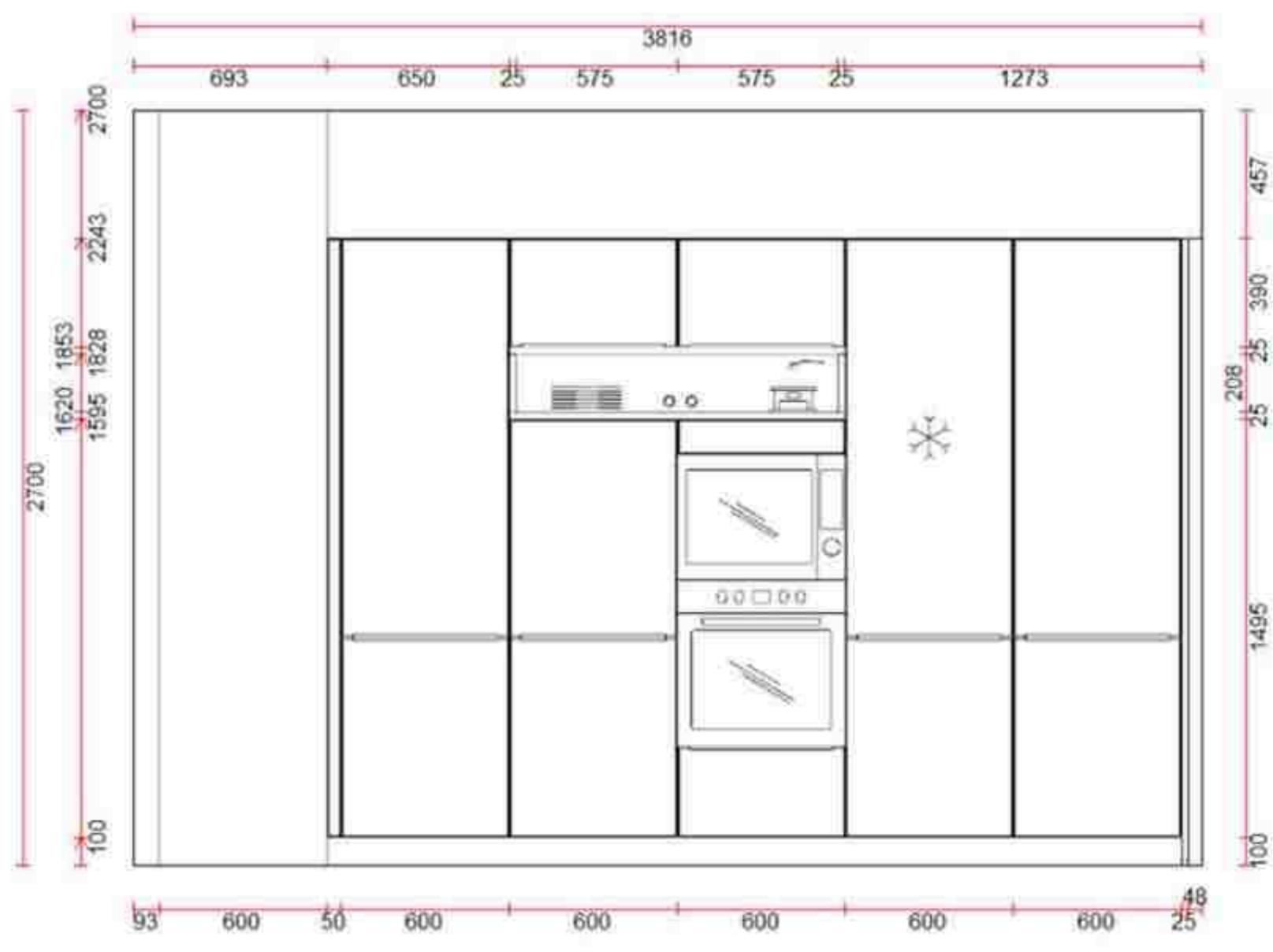
How do you determine Your Ideal worktop Height?

Stand upright and bend your forearm (90 degrees)

Calculate the ergonomic working height as follows:
Elbow height - 15cm.

BASE UNIT	715 mm
WORKTOP THICKNESS	40 mm
SKIRTING HEIGHT	100 mm

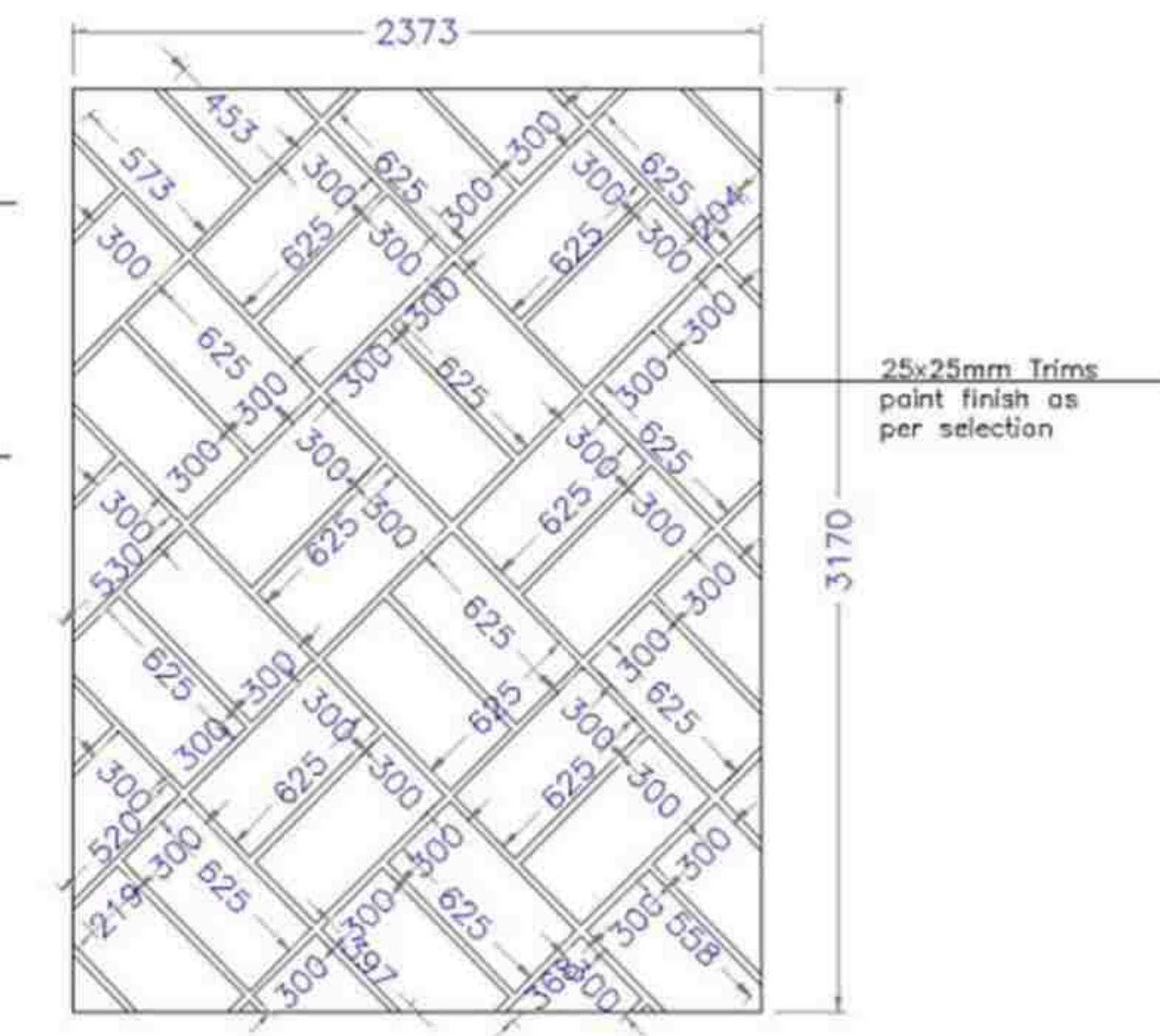
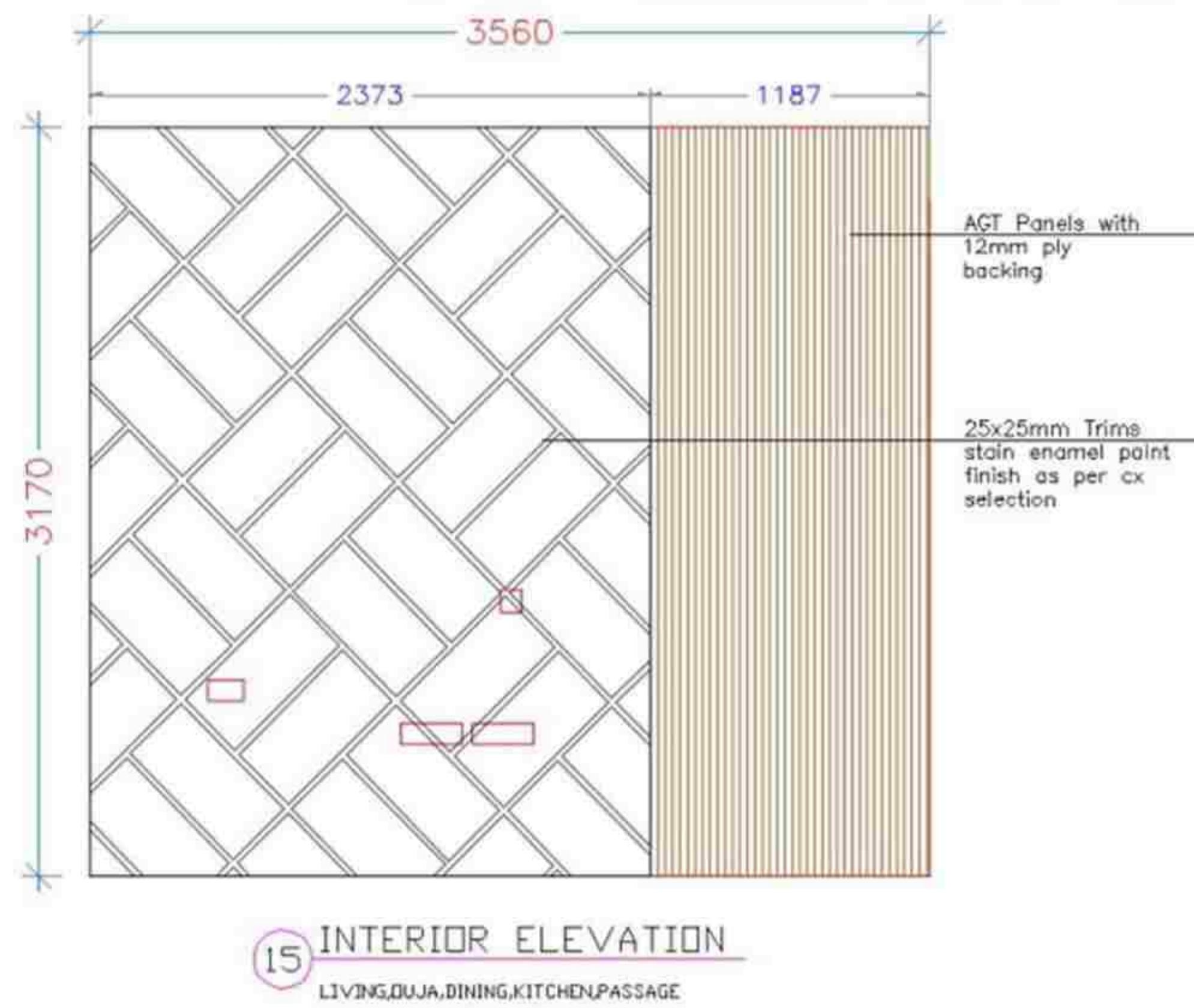
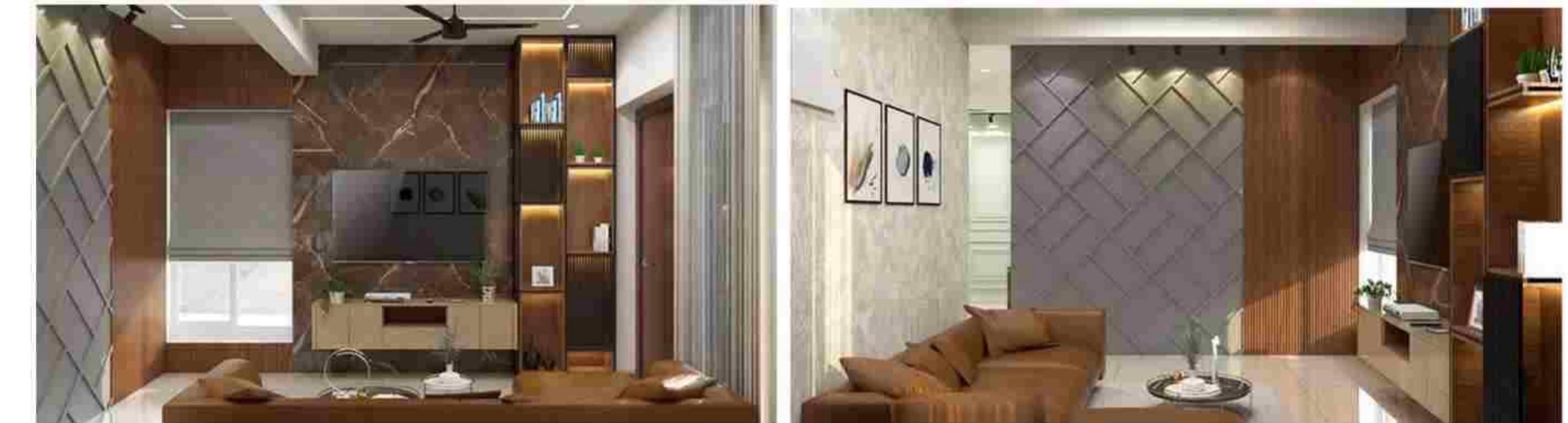
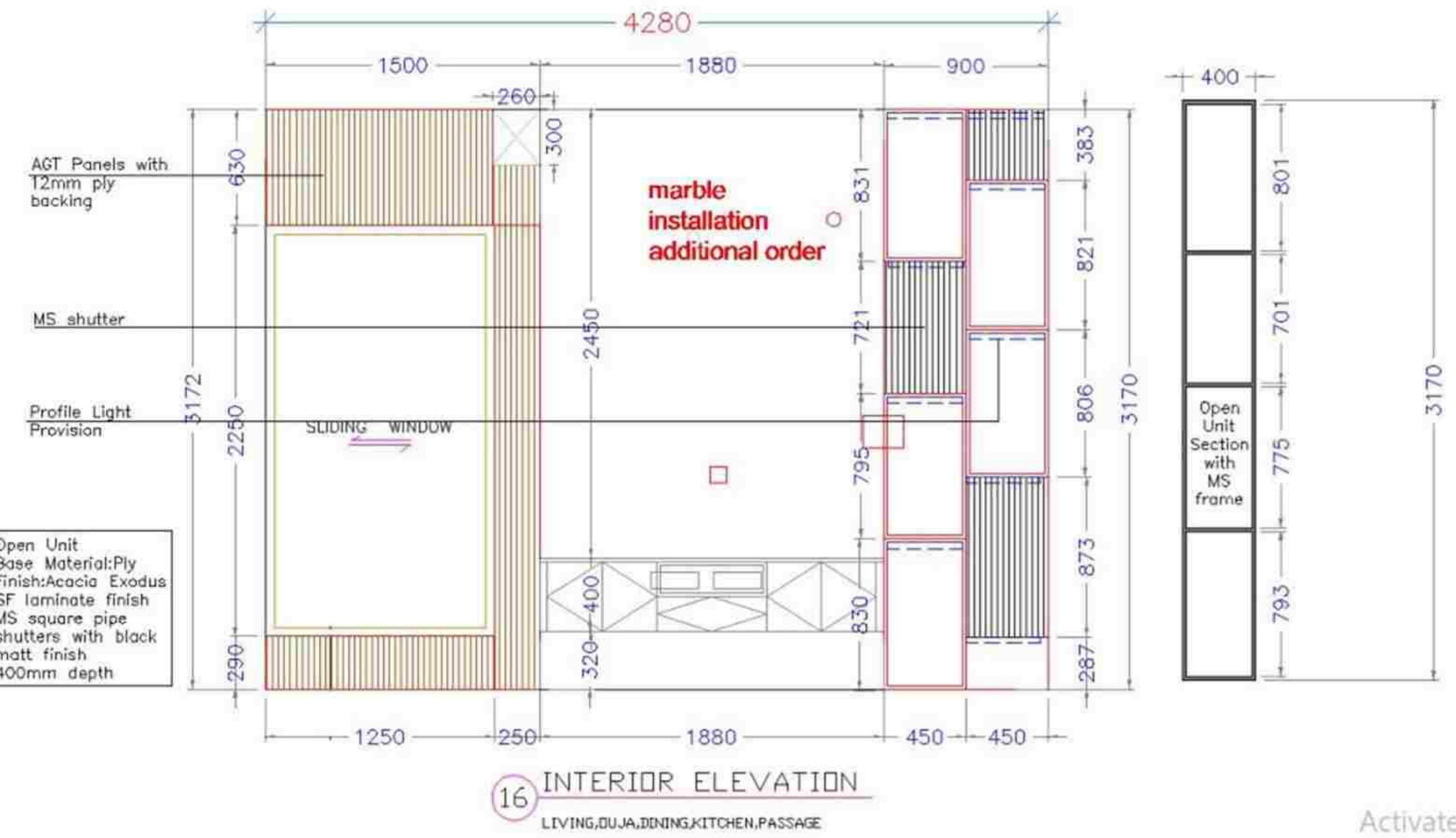
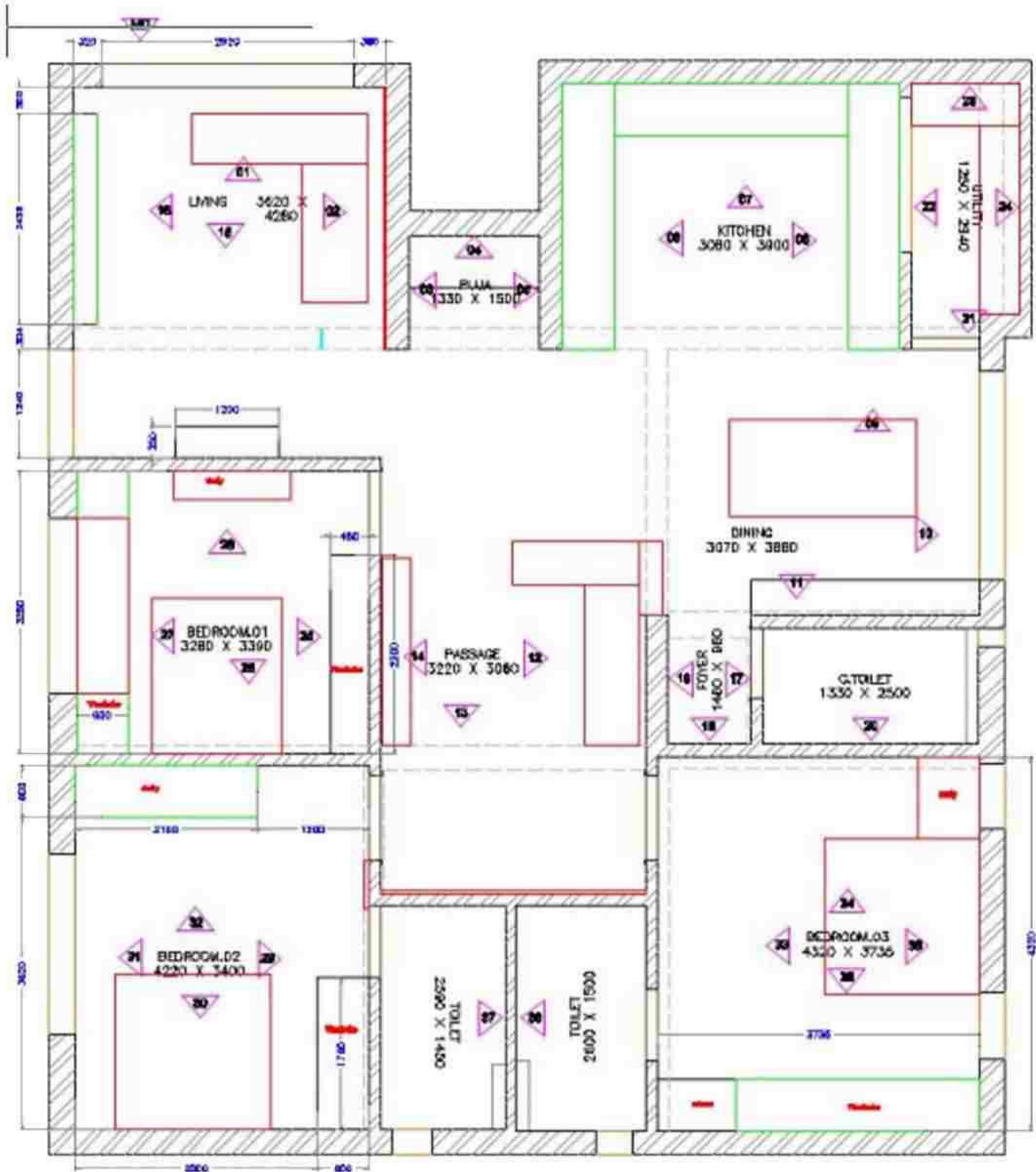
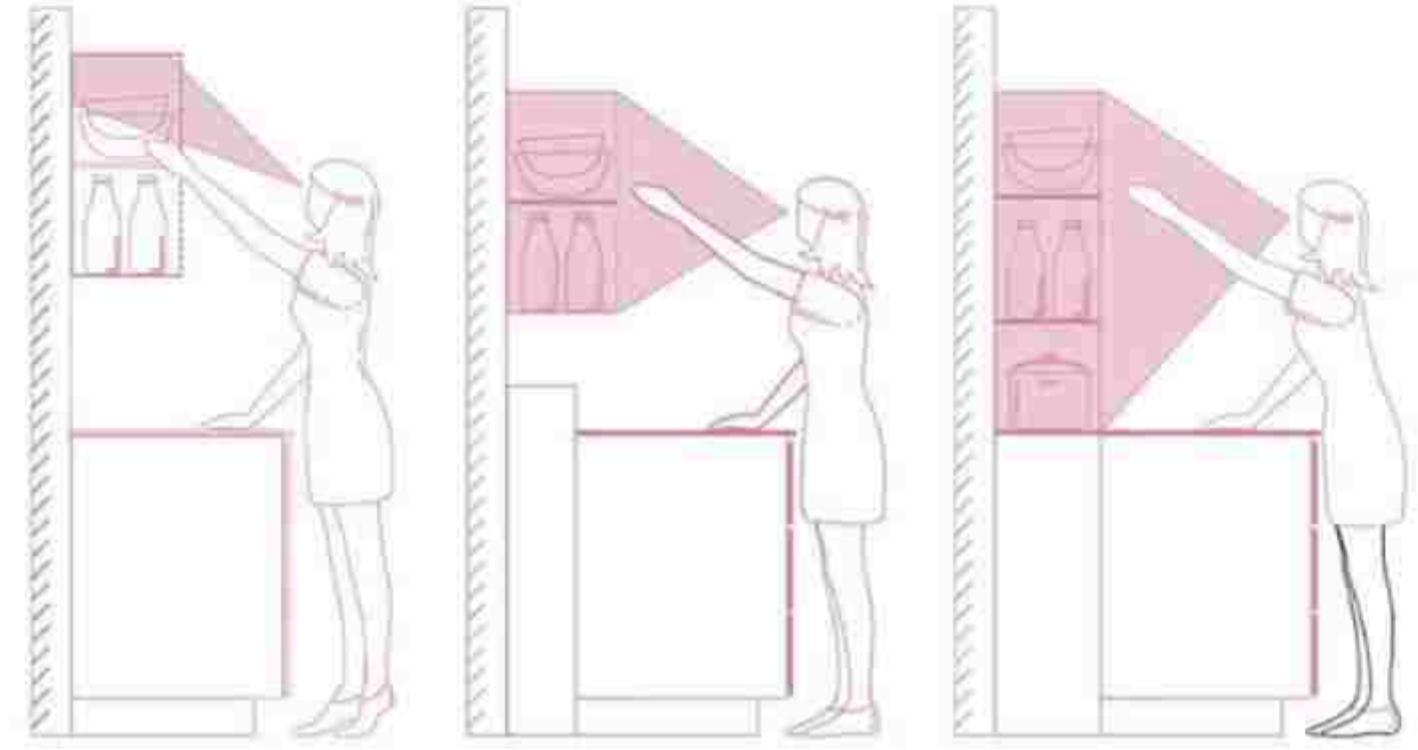




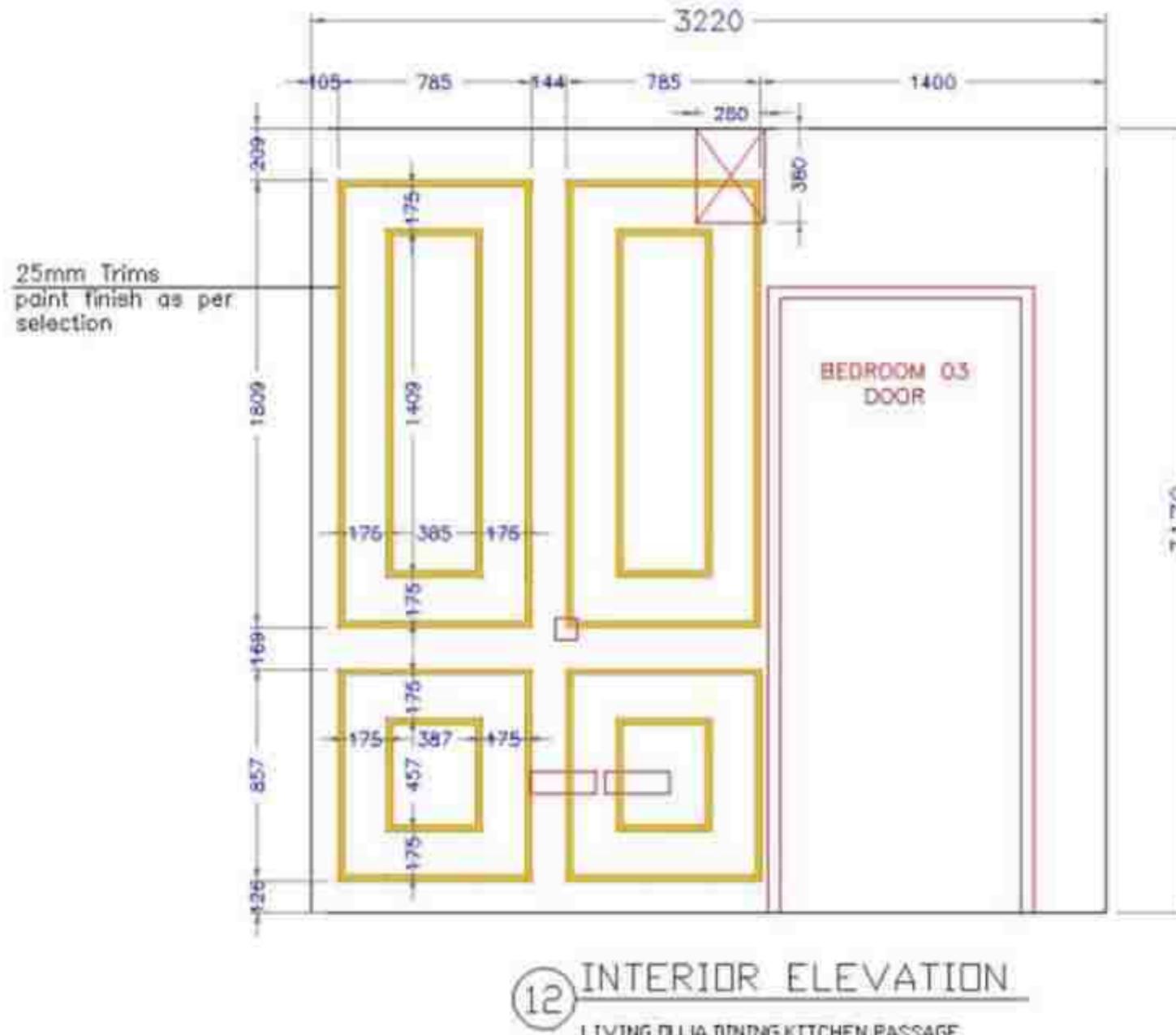


About Liv space

To provide clients with tangible insights into their design offerings, Liv space has established multiple Experience Centers across India. These centers allow customers to explore various design concepts and materials firsthand. Notably, they have opened India's largest Experience Center in Marathahalli, Bangalore, spanning 23,000 square feet.

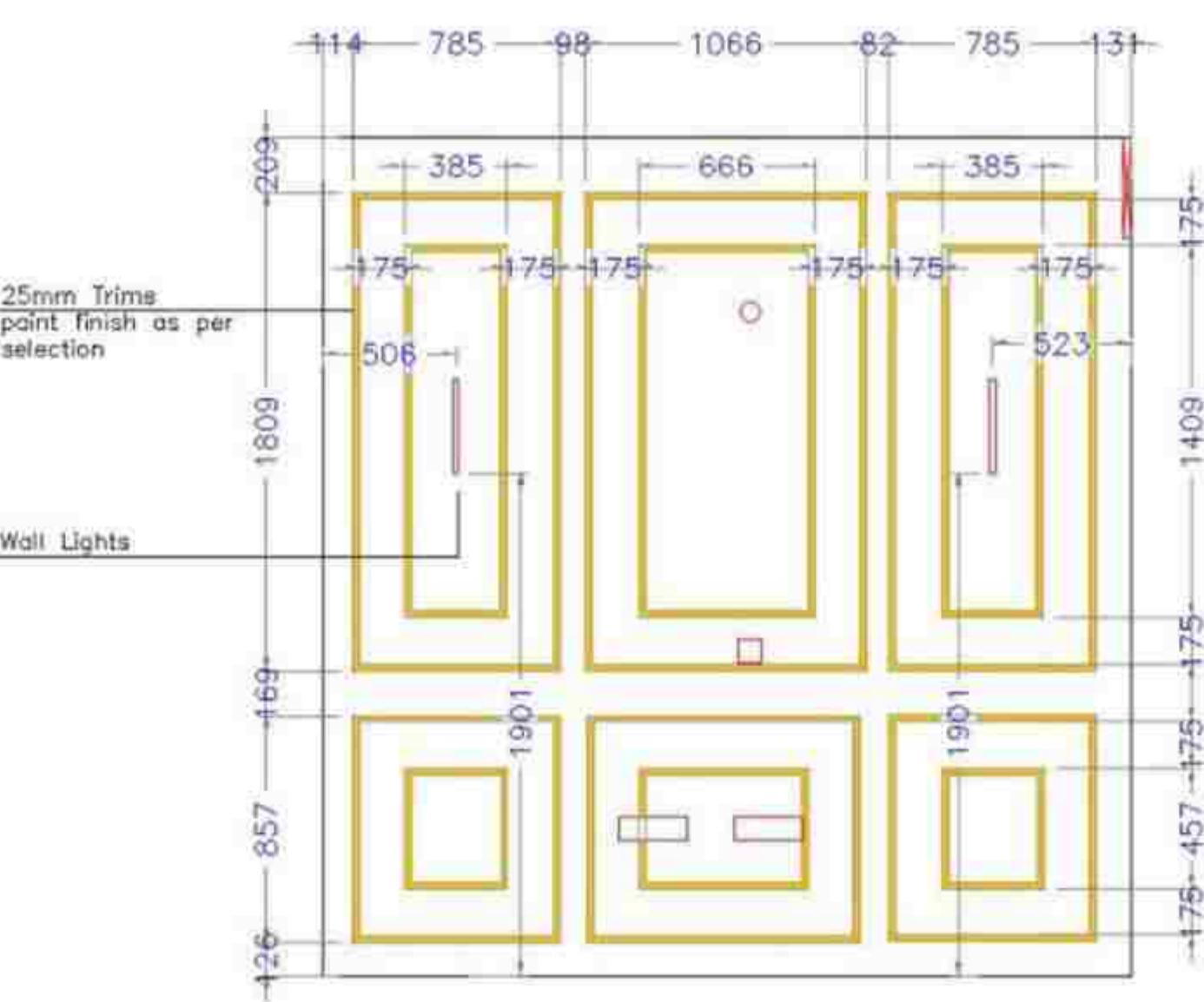


Activate



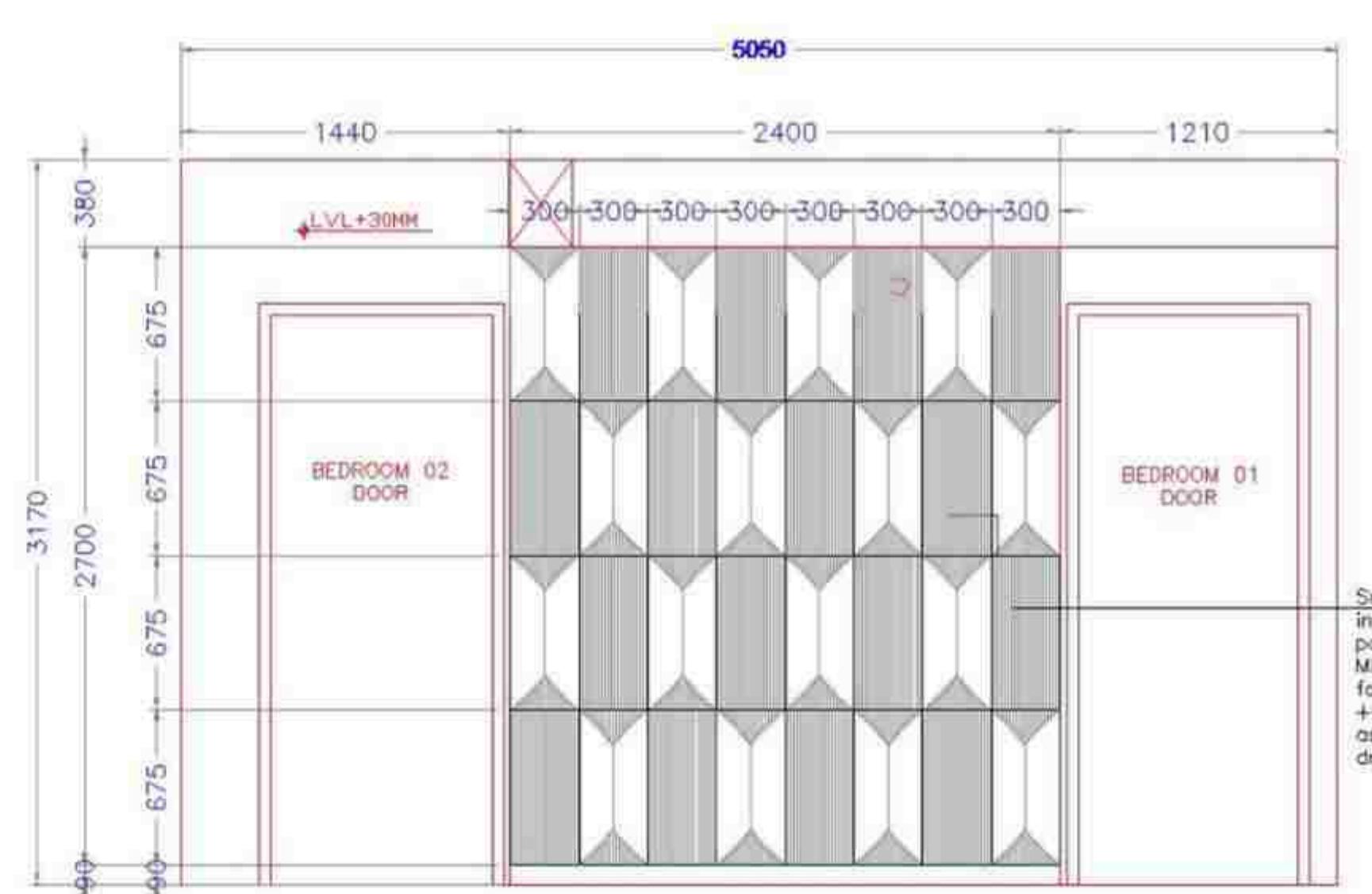
12 INTERIOR ELEVATION

25mm Trims
paint finish as per
selection



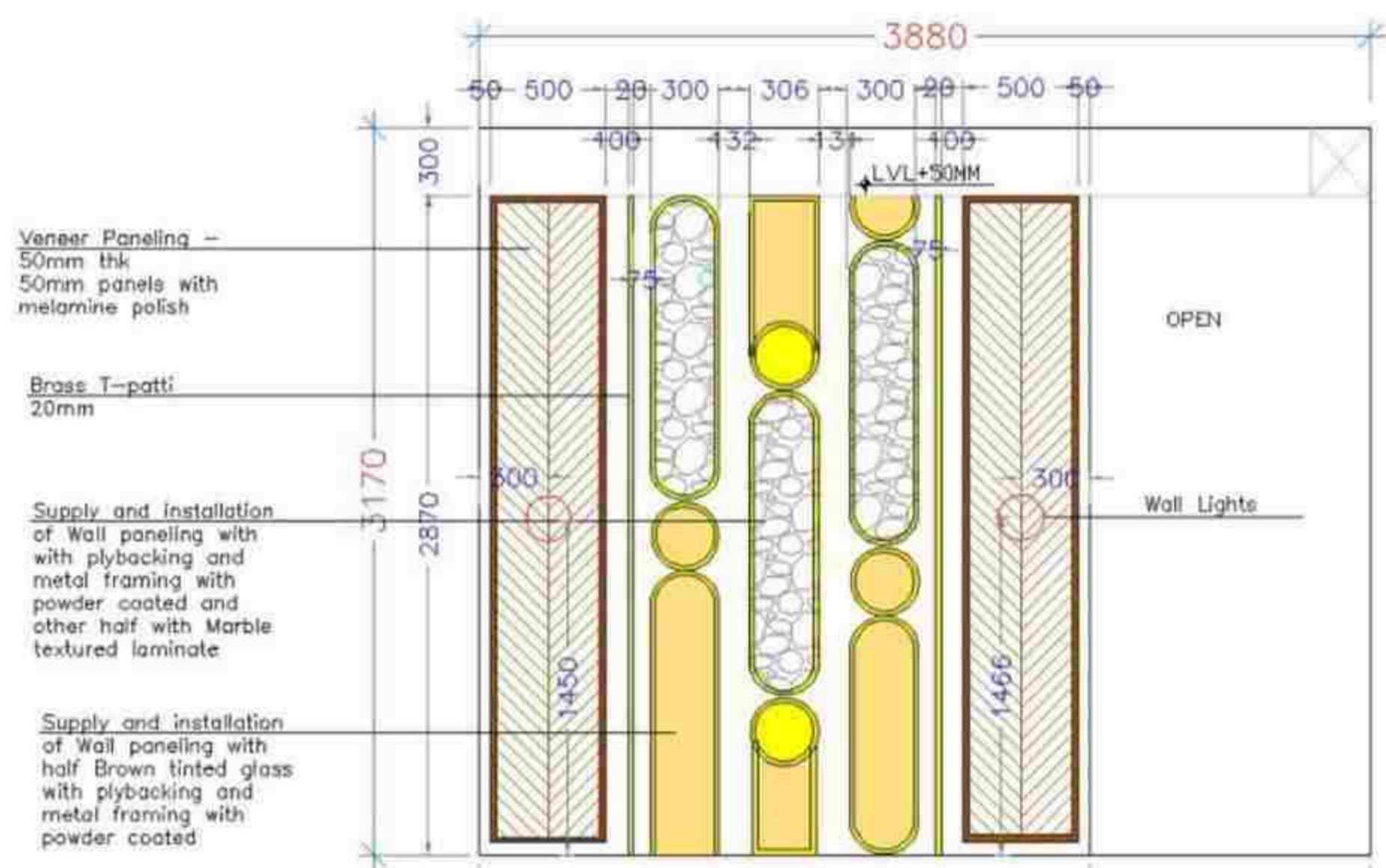
13 INTERIOR ELEVATION

25mm T
paint fin
selection



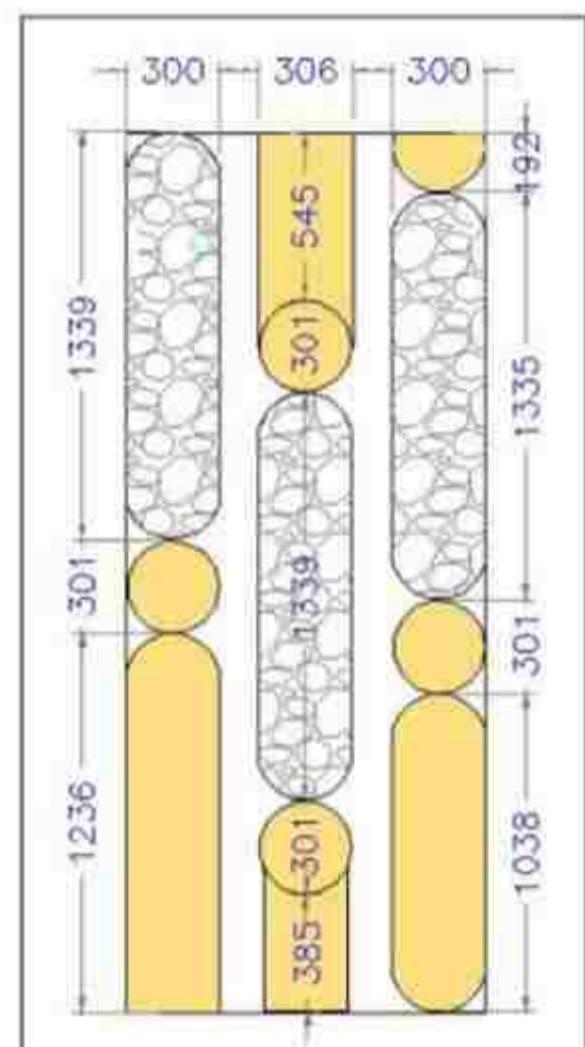
14 INTERIOR ELEVATION

Supply and
Installation of Wall
Paneling with
DF+6mm grooves
or every 25mm
CNC+DUCO finish
is shown in the
drawing



11 INTERIOR ELEVATION

all Panelling
DF + Duco
Paint finish
50mm. Ltd.



30 INTERIOR ELEVATION
BEDROOM.02

Back Panel with
Teak+Acacia Exodus
matte finish

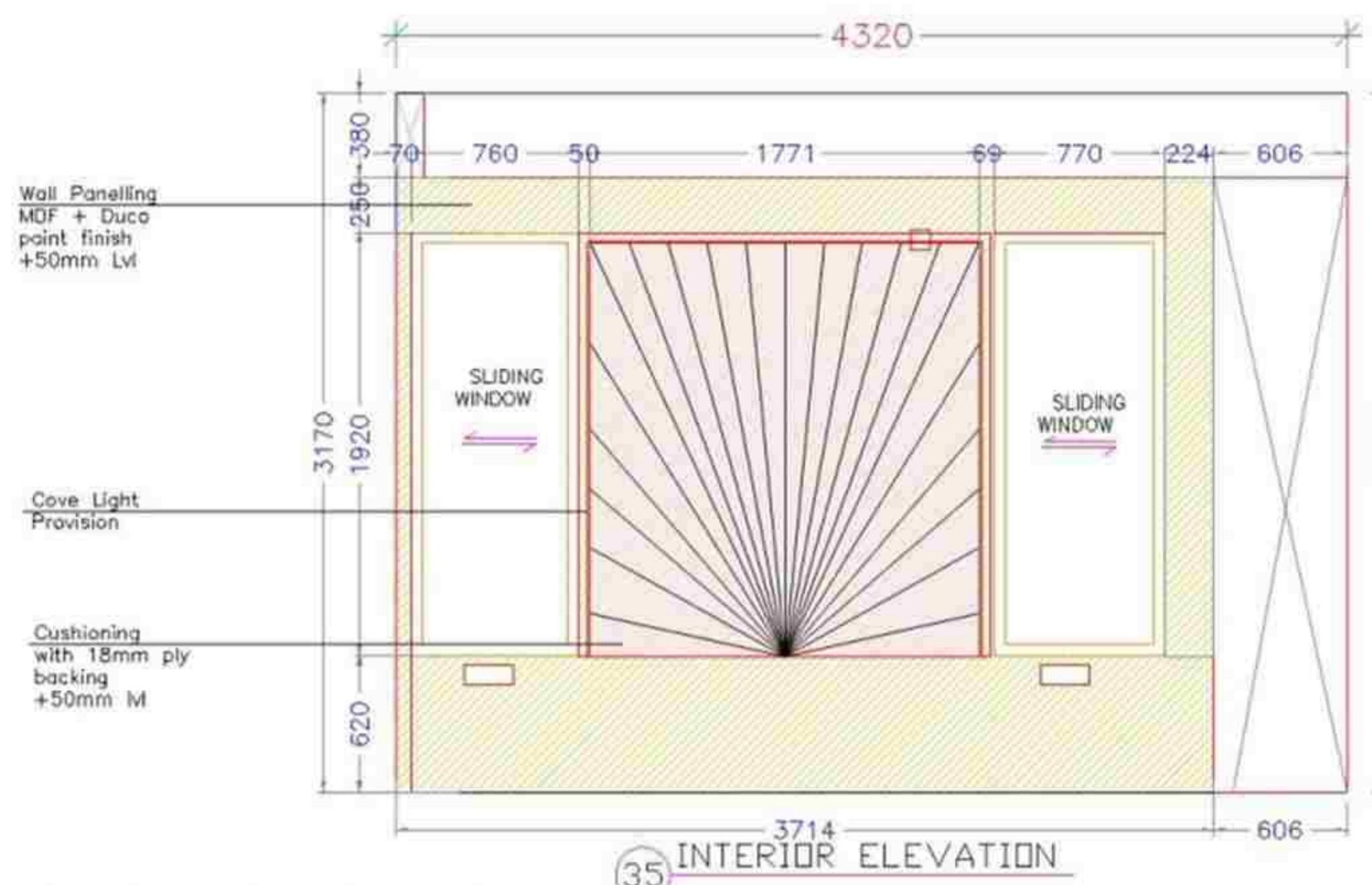
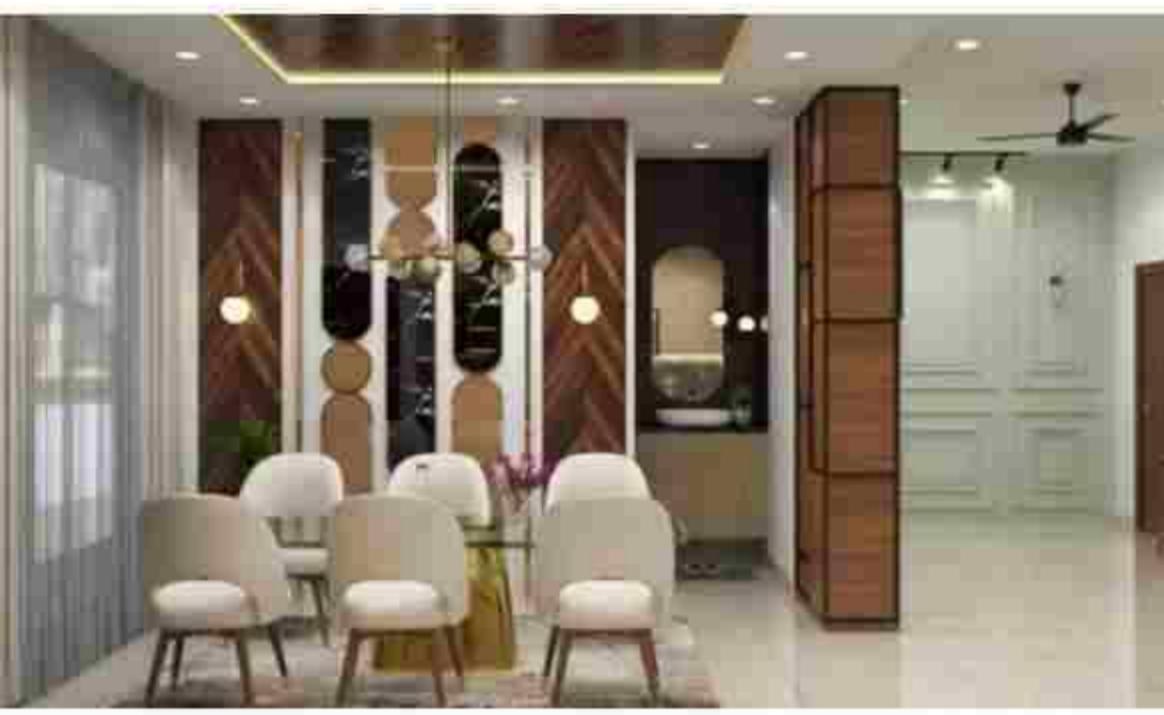
S jail 20mm thk
square pipe with bi
nett finish

50x50mm frame w/
Acacia Exodus SF
laminate finish

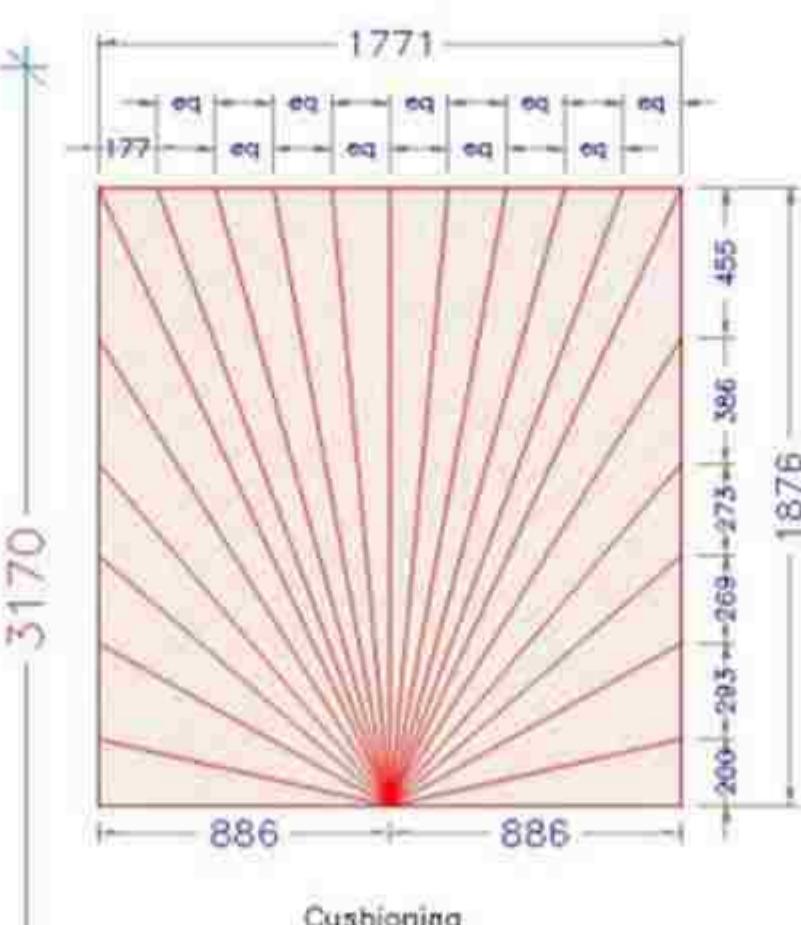
Bevelled Edge Mirror

50x50mm frame
Acacia Exodus SF
laminated finish

Fabric Panelling
18mm ply back
+75mm LVL

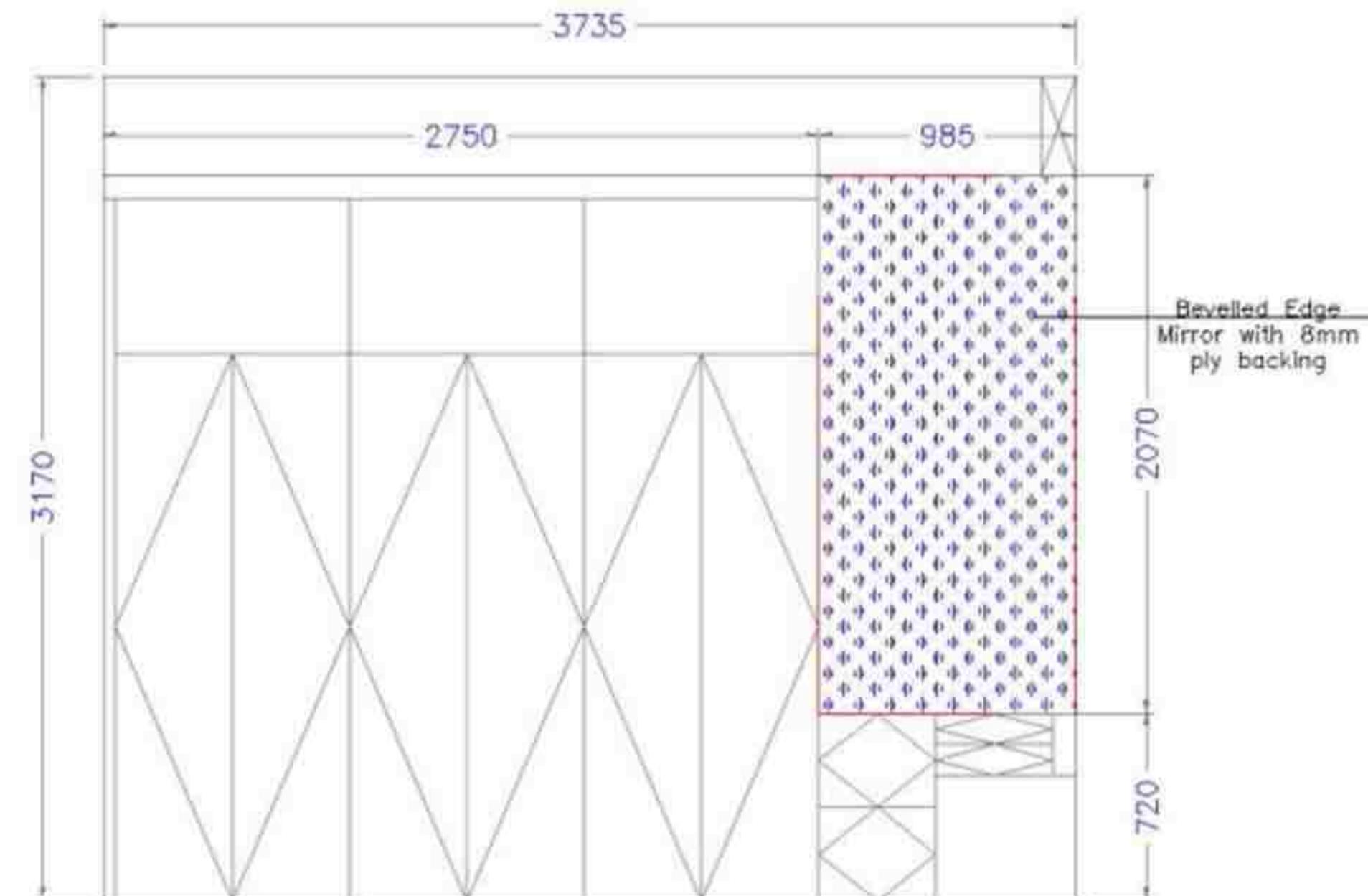


3714 INTERIOR ELEVATION



3e) INTERIOR ELEVATION
BEDROOM.03

Cove Light Provision



3e) INTERIOR ELEVATION
BEDROOM.03



