

THESIS REPORT ON
**“BEYOND THE SCREEN: A FUTURISTIC APPROACH TO MULTIPLEX CINEMA
INTERIORS”**

LUCKNOW , UTTAR PRADESH

A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE
DEGREE OF:

**BACHELOR OF INTERIOR DESIGN
BY**

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THESIS GUIDE
(Ar. ANKUR SAXENA)

SESSION
2024-25



**TO THE
SCHOOL OF ARCHITECTURE & PLANNING
BABU BANARASI DAS UNIVERSITY
LUCKNOW.**

SCHOOL OF ARCHITECTURE & PLANNING
BABU BANARASI DAS UNIVERSITY, LUCKNOW (U.P.).

CERTIFICATE

I hereby recommend that the thesis entitled “Beyond the screen: a futuristic approach to multiplex cinema interiors”, Lucknow, Uttar Pradesh , under the supervision, is the bonafide work of the students and can be accepted as partial fulfillment of the requirement for the degree of Bachelor’s degree in Interior Design, School of Architecture & Planning, BBDU, Lucknow.

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Recommendation Accepted

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DECLARATION

I SHIFA SAYEED, bearing Roll Number, 1210107018 hereby declare that this thesis report is entitled on "Beyond the screen: a futuristic approach to multiplex cinema interiors" is submitted by me, in particular fulfilment of the requirement of the curriculum of Bachelor of Interior Design as per the university norms, to School of Architecture & Planning, BBDU, Lucknow. is a record of my original work with credits has been given for information from any referred sources.

DATE:-

SIGNATURE

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B.ID, 8TH SEM.

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CHAPTER 1: SYNOPSIS

1.1 INTRODUCTION

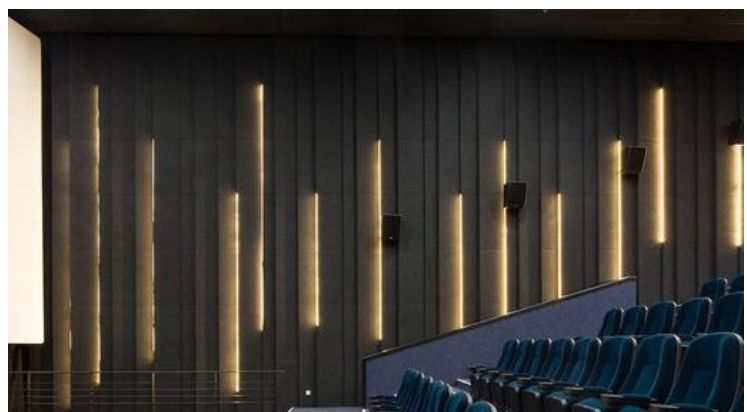
A multiplex cinema is more than just a place to watch movies; it is a dynamic entertainment hub designed to provide an immersive, multi-screen experience. Unlike traditional single-screen theaters, a multiplex houses multiple auditoriums with cutting-edge projection technology, immersive audio systems, and advanced seating ergonomics, offering a diverse range of films and entertainment choices simultaneously.

The evolution of multiplexes has been driven by the demand for enhanced comfort, premium viewing experiences, and modern amenities such as gourmet concession stands, VIP lounges, and interactive digital elements. With innovations like IMAX, Dolby Atmos, 4DX, and VR-integrated theaters, multiplex cinemas have transformed into futuristic entertainment spaces.



The interior design of a multiplex plays a crucial role in shaping audience engagement, comfort, and overall ambiance. Elements such as acoustic optimization, ambient lighting, seating comfort, thematic aesthetics, and space planning significantly impact the user experience. The integration of sustainable materials, smart lighting, and AI-driven crowd management further enhances the efficiency and appeal of modern multiplexes.

This project aims to create a visually striking, functionally optimized, and technologically advanced multiplex cinema that not only enhances the movie-watching experience but also redefines entertainment spaces for future generations.



1.2 HISTORY AND BACKGROUND

- Origins of Multiplex Cinemas – The concept of multiple-screen cinemas emerged in the mid-20th century to cater to a growing audience with diverse movie preferences.
- Early Multiplex Developments – The first recognized multiplex opened in the 1960s, allowing multiple films to be screened under one roof.
- Evolution of Cinema Technology – From film reels to digital projection, surround sound, and 3D experiences, multiplexes have consistently evolved.
- Modern-Day Innovations – Luxury seating, VR and AR cinema experiences, AI-powered ticketing systems, and multi-functional entertainment spaces.
- The Future of Multiplex Design – Integration of sustainability, personalized viewing, and adaptable multi-purpose spaces.

From silent film houses to high-tech immersive theatres, cinema design continues to evolve, blending comfort, technology, and aesthetics to enhance audience engagement.

1.3 MAJOR REQUIREMENTS OF THE PROJECT

- Multiple Screening Halls with different capacities and advanced acoustic treatments.
- State-of-the-art Projection Technology like IMAX, Dolby Vision, and laser projectors.
- Advanced Sound Systems including Dolby Atmos for immersive audio.
- Comfortable & Ergonomic Seating with recliners, VIP lounges, and optimal spacing.
- Aesthetic & Thematic Interiors with mood lighting, digital displays, and unique décor.
- Lobby & Waiting Areas featuring digital kiosks, interactive screens, and comfortable lounges.
- Food & Beverage Counters with gourmet options, self-service kiosks, and themed cafés.
- Sustainable & Smart Design using energy-efficient lighting, eco-friendly materials, and AI-powered crowd management.
- Smart Ticketing & Queue Management for seamless, contactless entry and real-time occupancy control.

1.4 AIMS AND OBJECTIVES

Aim:

To design a modern, immersive, and user-centric multiplex cinema that enhances entertainment experiences through innovative interiors, ergonomic design, and cutting-edge technology.

Objectives:

- To create a visually engaging and thematically unique multiplex cinema.
- To incorporate high-performance acoustics and lighting for optimal viewing.
- To ensure seamless crowd management and circulation flow.
- To integrate sustainable materials and eco-friendly solutions.
- To provide varied seating options catering to different audience preferences.
- To implement digital innovations such as smart ticketing, AI-based recommendations, and interactive walls.
- To enhance the multiplex as a social and entertainment hub, beyond just movie screenings.

1.5 SWOT ANALYSIS

Strengths:

- Cutting-edge technology integration.
- High audience demand for premium entertainment spaces.
- Versatile spaces for movies, live events, and gaming.
- Revenue generation from F&B and VIP lounges.

Weaknesses:

- High investment and operational costs.
- Dependence on movie industry trends and blockbuster releases.
- Need for constant technological upgrades.

Opportunities:

- Expansion into VR and AR cinema experiences.
- Partnerships with streaming platforms for exclusive screenings.

Threats:

- Competition from home entertainment (OTT platforms, home theatres).
- Fluctuating movie industry trends.
- Economic downturn affecting audience spending habits.

1.6 METHODOLOGY

- Site & Context Analysis
- Climate and Environmental Factors
- Case Study Review
- Literature Review & Theoretical Framework
- Project Requirements & Specification Sheet
- Space Allocation & Area Analysis
- Standards and Regulatory Compliance
- Concept Development & Mood Board
- Design Development & Planning
- Elective Design Features & Innovations
- Visual Analysis & View Considerations

1.7 LITERATURE STUDY

1. Cinema Architecture & Design

Reference: "Cinema Architecture: A Design Guide" – François z

- Spatial planning, auditorium layouts, and lobby design.
- Thematic interiors and branding strategies.

2. Acoustics & Sound Engineering

Reference: "Acoustics for Auditoriums and Cinemas" – Heinrich Kuttruff

- Sound insulation, reverberation control, and Dolby Atmos setup.
- Acoustic materials for noise reduction.

3. Lighting & Visual Comfort

Reference: "Lighting for Cinemas and Theatres" – Richard Pilbrow

- Ambient, task, and decorative lighting strategies.
- Projection-friendly and low-glare illumination.

4. Seating & Ergonomics

Reference: "Human Dimensions and Interior Space" – Julius Panero & Martin Zelnik

- Seating dimensions, row spacing, and incline angles.
- Comfortable materials for recliners and premium seating

5. Sustainable & Smart Design

Reference: "Sustainable Design of Theatres and Cinemas" – peter smith

- Eco-friendly materials, energy-efficient lighting, and HVAC.
- Green building certifications and waste management.

LITERATURE STUDY 01 – INOX TAKSH GALAXY, VADODARA

LITERATURE STUDY 02 – FIRST CINEMA, JAIPUR

1.8 CASE STUDY

- PVR Superplex at Lulu Mall

**Location- 2nd Floor of Lulu Mall, Sushant Golf City, Shaheed Path,
Lucknow, UTTAR PRADESH**

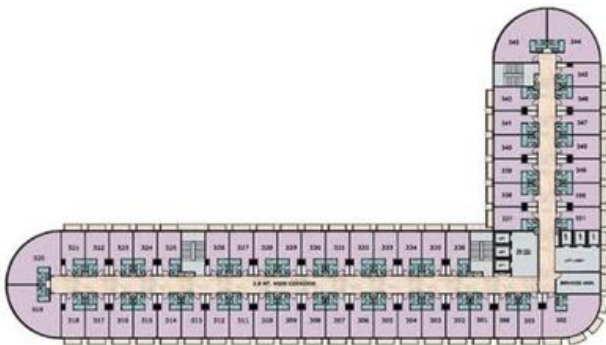


1.9 REFERENCES

References for a multiplex cinema design project include books, research papers, building codes, industry standards, and case studies that provide a strong foundation for planning and execution. These sources help ensure the design meets functional, technical, and aesthetic requirements.

1.10 SUPPORTING DOCUMENTS

LINK-WWW.OMAXE.COM



FLOOR PLAN

Multiplexes: A five-screen multiplex with the newest films and entertainment options is part of the project. These locations are perfect for companies in the entertainment industry.



OMAXE HAZRATGANJ

Location: Sec-7, Gomati Nagar Ext.,
Lucknow

Project Type: Shops & Service Apartments,
Offices

Project Status: Under Construction/Sold
Out

RERA Regd. No: UPRERAPRJ1925



CHAPTER 2 : SITE ANALYSIS

2.1 ABOUT THE CITY

Lucknow, the capital of Uttar Pradesh, is known as the "City of Nawabs" for its rich cultural heritage, elegant architecture, and refined traditions. Famous for its Mughal-Awadhi monuments, chikankari embroidery, and cuisine, the city blends history with modern urban development.

It is also a growing center for education, administration, and commerce, with improving infrastructure and connectivity. The city's blend of heritage and progress makes it a unique and vibrant part of India's urban landscape. Lucknow's expanding urban spaces, cultural landmarks, and hospitality make it a symbol of graceful living and modern growth, attracting people from across the country.



2.2 SITE DETAILS

- **Location:** 1st floor ,omaxe hazratganj ,Sec-7, Amar Shaheed Path, GoMti Nagar Extension, Lucknow, Uttar Pradesh 226002
- **SITE AREA:** 5000 SQFT
- **OWNER:** OMAXE LTD.
- **ARCHITECT:** DEEPAK VASHISTA

2.3 SITE IDENTIFICATION



2.4 CONNECTIVITY



Road: Located on Shaheed Path, well-connected to Gomti Nagar, Hazratganj, and Kanpur Road.



Railway: Charbagh (13 km) & Gomti Nagar (8 km) stations nearby.



Airport: Chaudhary Charan Singh International Airport (16 km) via Shaheed Path.



Bus Stations: Alambagh ISBT (14 km) and Charbagh Bus Station (11 km).

2.5 SITE NEARBY LANDMARK



GD GOENKA PUBLIC SCHOOL



MEDANTA HOSPITAL



LULU MALL



HCL IT CITY

2.6 ABOUT THE SITE

In the centre of Lucknow, Uttar Pradesh, the Omaxe Hazratganj Commercial Project is a luxurious multi-purpose building. This commercial project in Lucknow is an ideal fusion of luxury, convenience, and top-notch amenities, spread across a vast area of 5 acres. This project seeks to redefine what it means to live today and what it means to have a place to work.

The project includes a variety of high-end commercial spaces, including shops, food courts, multiplexes, offices, and serviced apartments, to meet the various requirements of both businesses and people. A variety of domestic and foreign brands are available in the three floors of prime shopping space that make up the retail area. The project has top-notch amenities like round-the-clock security, power backup, high-speed elevators, plenty of parking, and lush green surroundings to ensure a secure and comfortable living and working environment.

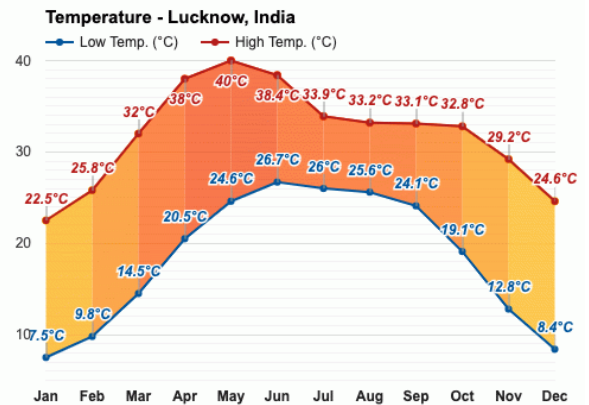
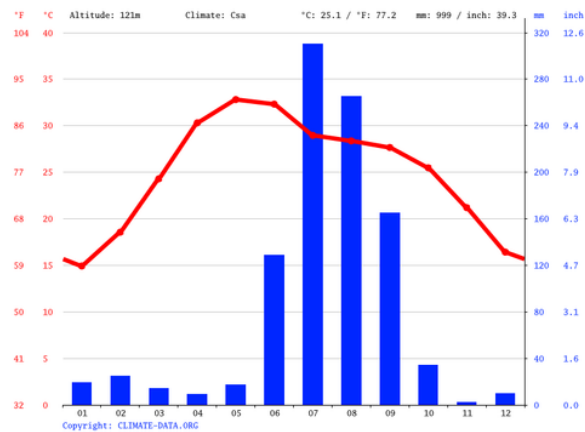
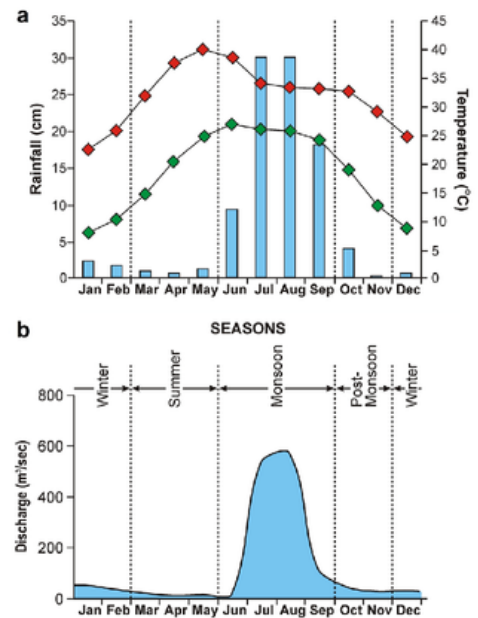
Three floors of luxurious shopping space make up the retail section, which features a wide variety of domestic and foreign brands. A five-screen multiplex and a food court with a variety of restaurants are also included in the project.



2.7 CLIMATE DATA

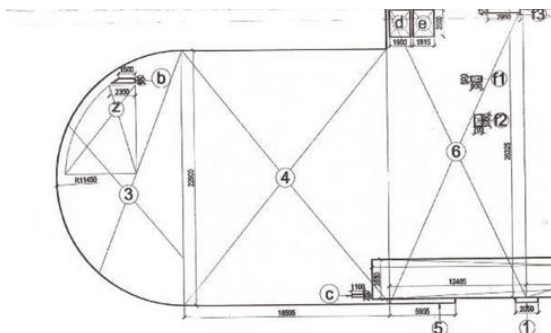
All year climate & weather average in lucknow.

- High Temp: 45 °C
- Low Temp: 7 °C
- Mean Temp: 25 °C
- Precipitation: 726 mm
- Humidity: 54%
- Dew Point: 3 °C
- Wind: 11 km/h
- Pressure: 1015 mb. Visibility: 16 km

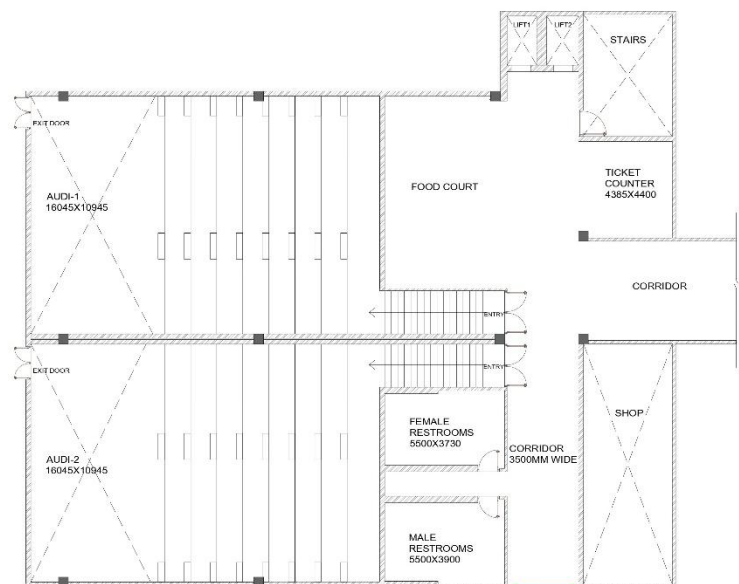


2.8 SPACE REQUIREMENTS

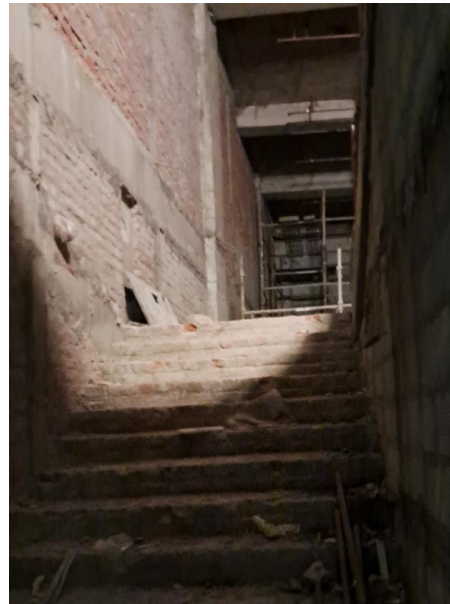
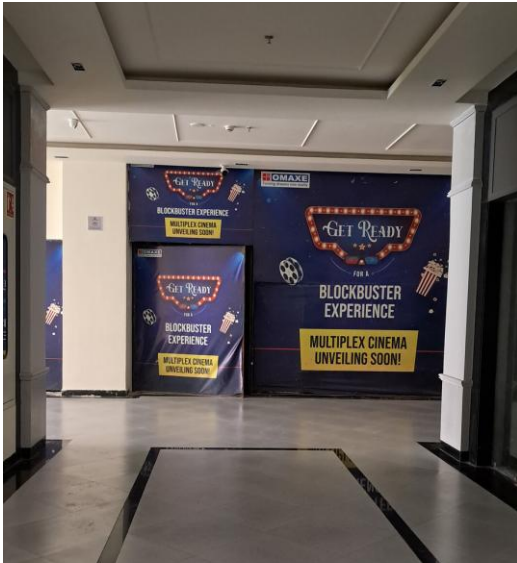
- THEATERS
- LOBBY
- RESTROOMS



2.9 SITE PLAN



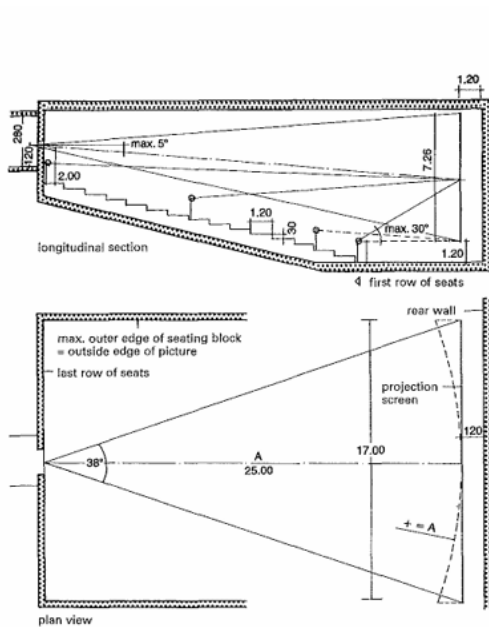
2.10 SITE IMAGES



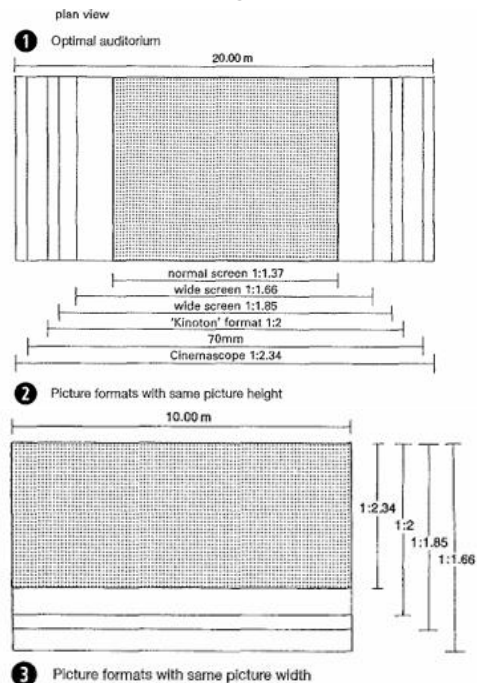
CHAPTER 3 : STANDARDS

3.1 PICTURE PROJECTION

- It has 1 m spacing from the projector at the back and on the operator side, 2.80 m height, ventilation and extraction, and sound insulation to the auditorium. The projection rooms of several auditoriums can be combined together.



CINEMAS
Projection
Auditorium
Multiplex cinemas
Drive-in cinemas



3.2 PICTURE FILMS

- Film widths are 16 mm, 35 mm and 70 mm. The centre of the projection beam should not deviate more than so horizontally and vertically from the centre of the screen or it should be redirected by a deflection mirror .
- Conventionally, two projectors are operated with cross-blending. Automated operation with one projector plus horizontal film tray showing 4000 m reels without pause has become established worldwide, in many projection rooms remotely run from projection and control points. The film gives automatic signals for all projection functions like lens changing, hall lighting, stage lighting, curtain and picture covering.

3.3 PICTURE SIZES

- These depend on the distance of the projector from the screen and having a height-side relationship of 1 :2.34 (Cinemascope) or 1 :1.66 (wide screen) with a narrow auditorium width. The angle from the centre of the back row of seating to the outer edge of the picture should not exceed, for Cinemascope, 38° = distance of the back row : screen = 3:2

3.4 SCREEN

- Distance of the screen from the wall with BTX (-> p. 223) is min. 120 cm; according to cinema size and system this can be reduced to 50 cm on the setting up of the sound system. The screen is perforated (sound-permeable). Retracting blinds or curtains restrict the screen at the sides with the same picture height. Large screens are curved in a radius centred on the back row of seats. The lower edge of the screen should be min. 1.20 m above the floor

3.5 AUDITORIUM

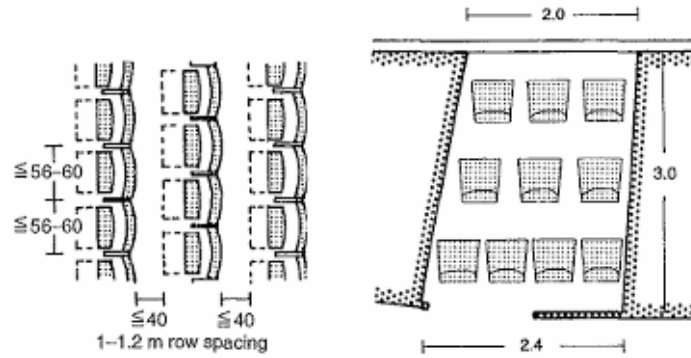
- This should receive no incoming light except for emergency lighting. The walls and ceilings should be of non reflecting material in relatively dark colours. The audience should sit within the outer edge of the screen. The viewing angle from the first row of seats to the centre of the picture should not exceed 30° .

3.6 AUDITORIUM SEATING

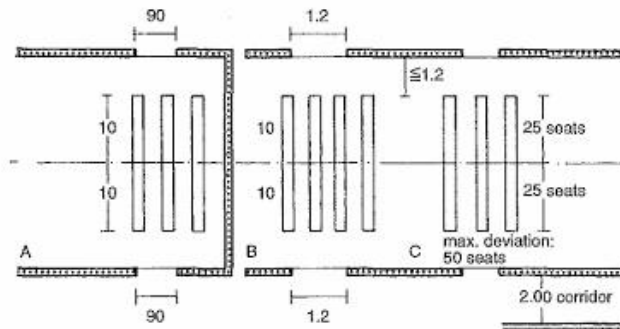
- Up to a 10% floor gradient is permissible, or else steps with max. 16 cm risers and aisles of 1.20 m width.
- Up to 10 seats may be arranged on each side of each aisle.

3.7 ACOUSTICS

- Adjacent auditoriums should be separated by walls of approx. 85 dB 18-20 000 Hz ~ p. 222 0.
- The ceiling should feature sound-directing surfaces with low acoustic delay difference time.
- The reverberation time can increase with growing auditorium volume and reduces from 0.8 to 0.2 s from low to high frequencies. ~ p. 222.
- The rear wall behind the last row of seats should have an insulated surface to prevent echo . Loudspeakers are distributed in the auditorium so that the difference in volume between the front and back rows does not exceed 4 dB.



- 1 Spacing and rows of seats. Cinema seats are normally larger than the minimum dimensions stipulated by
- 2 Boxes may have ≥ 20 loose chairs; $\geq 0.65 \text{ m}^2$ floor area for each person



- 3 Seating - A: for auditorium ≤ 200 people; B: ≥ 200 people; C: 50 seats, if there is a door at the side for every four rows

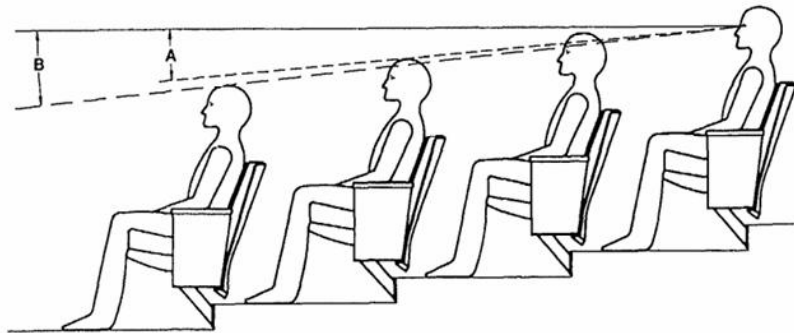
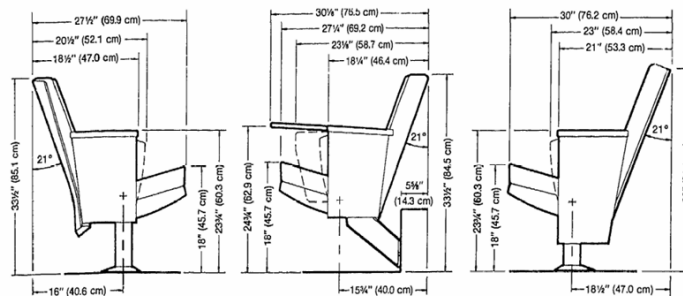


Fig. 1

AUDITORIUM SEATING Chair Dimensions



3.8 SOUND REPRODUCTION

- In addition to mono optical sound reproduction, the Dolby stereo optical system with four channels will be required in the future, using three loudspeaker combinations behind the screen and additional speakers at the sides and back.
- For 70 mm film, 6 channel magnetic sound, there are additional speaker combinations behind the screen.
- With BTX, behind the screen there is a sound-absorbing wall (following the Lucas film system), in which the loudspeaker combinations are installed.

3.9 CASH DESK

- Predominantly electronic booking and reservation systems: 1 cash desk per 300-400 seats, requiring approx. 5 m² .

CHAPTER 4 : CASE STUDY

4.1 CASE STUDY-1 :PVR SUPERPLEX AT LULU MALL

4.1.1 INTRODUCTION

PVR Superplex at Lulu Mall, Lucknow, is a state-of-the-art 11-screen multiplex, offering a world-class cinematic experience. Located on the 2nd floor of Lulu Mall, Sushant Golf City, it features advanced formats like PXL (large-screen experience), 4DX (multi-sensory effects), and Luxe (luxury seating) for ultimate comfort and immersion.

As part of Lucknow's largest shopping and entertainment hub, the multiplex provides a premium movie experience, complemented by a PVR Café, a mega food court with top brands, and ample parking facilities. The theater is equipped with high-end projection and sound systems, ensuring crystal-clear visuals and exceptional audio.

With convenient online booking, food and beverage services, and easy accessibility, PVR Superplex at Lulu Mall is the ultimate destination for movie lovers in Lucknow.

4.1.2 SITE DETAILS

- LOCATION : 2ND FLOOR, LULU MALL, SUSHANT GOLF CITY, SHAHEED PATH, LUCKNOW, UTTAR PRADESH, INDIA.
- SITE AREA : 20,000 SQFT
- DIRECTION : THE MALL'S MAIN ENTRANCE FACES NORTH, PROVIDING CONVENIENT ACCESS FROM THE MAIN ROAD.

4.1.3 SITE CONNECTIVITY



ROAD: LOCATED ON SHAHEED PATH, WELL-CONNECTED TO GOMTI NAGAR, HAZRATGANJ, AND KANPUR ROAD.



RAILWAY: CHARBAGH (12 KM) & GOMTI NAGAR (8 KM) STATIONS NEARBY.



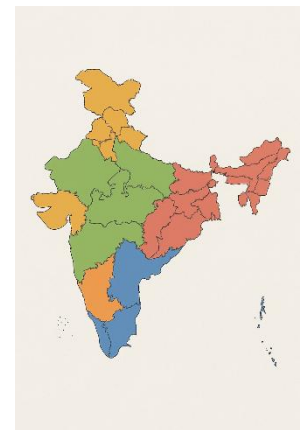
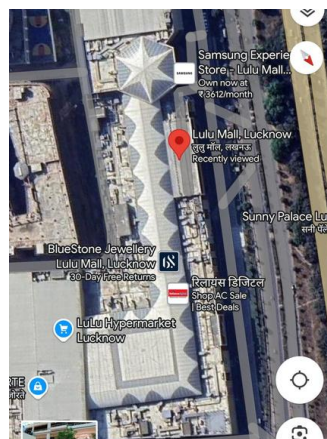
AIRPORT: CHAUDHARY CHARAN SINGH INTERNATIONAL AIRPORT (15 KM) VIA SHAHEED PATH.



BUS STATIONS: ALAMBAGH ISBT (12 KM) AND CHARBAGH BUS STATION (11 KM).



4.1.4 SITE IDENTIFICATION



4.1.5 SITE NEARBY LANDMARK



SUSHANT GOLF CITY



MEDANTA HOSPITAL



EKANA INTERNATIONAL CRICKET STADIUM



HCL IT CITY

4.1.6 SPACE REQUIREMENT

- Entrance & Lobby: Grand foyer, ticket counters, digital kiosks, waiting lounge. (3000sqft) approx area.
- Box Office: Self-service kiosks, traditional counters.
- Auditoriums: PXL, 4DX, Luxe screens with premium seating. (16000sqft) approx area.
- Concession & Dining: Snack counters, PVR Café, seating area. (2000sqft) approx area.
- Projection & Control Room: HD projectors, sound control. (1000sqft) approx area.
- Restrooms: Multiple, accessible facilities. (1200sqft) approx area.
- VIP Lounge: Private waiting, exclusive entry/exit.
- Staff & Storage: Management offices, inventory rooms. (1000sqft) approx area.
- Safety & Security: Fire exits, security checkpoints. (2500sqft) approx area.

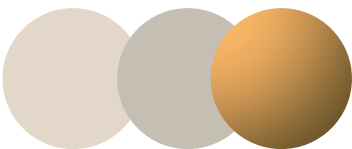
4.1.7 ABOUT INTERIORS

1. Interior Theme

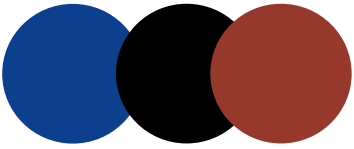
The design follows a modern luxury theme, blending sophisticated aesthetics with cutting-edge technology to create an immersive cinematic experience. The interiors emphasize comfort, elegance, and functionality while maintaining a high-end, premium feel.

2. Color Palette

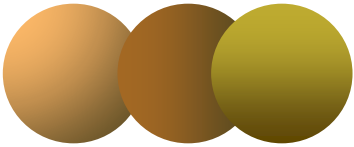
- Warm Neutrals – Beige, taupe, and soft gold for a cozy yet upscale ambiance.



- Deep Accents – Dark blue, black, and maroon used in seating, walls, and décor for a cinematic, intimate atmosphere.



- Metallic Finishes – Gold and copper highlights in lighting fixtures and trims add a touch of opulence.



3. Auditorium Design

- PXL Screens: Large-format screens with ultra-modern seating arrangements designed for maximum viewing comfort.
- 4DX Theaters: Motion-enabled seats with immersive sensory effects like wind, mist, and vibrations.
- Luxe Theaters: Recliner seating with plush upholstery, side tables, and premium comfort features.

4. Lobby & Waiting Area

- Contemporary décor with digital screens showcasing movie posters and trailers.
- Soft ambient lighting to create a calm and inviting atmosphere.
- Spacious seating areas for relaxation before movie screenings.

5. Concession & Dining Areas

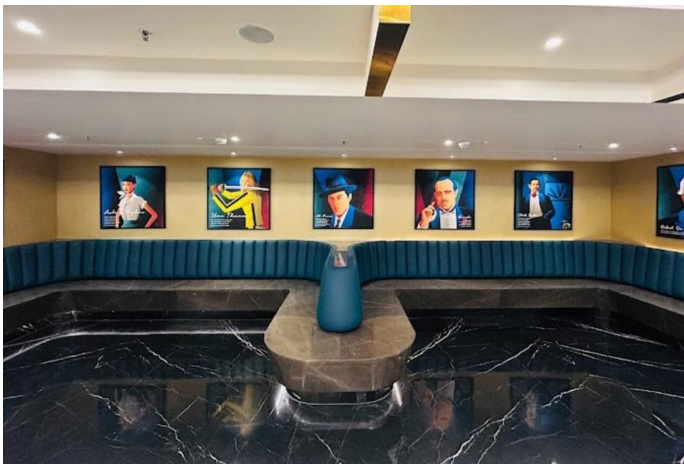
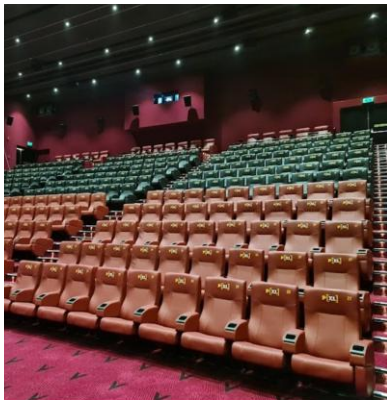
- Modern snack bars with interactive digital menu boards.
- PVR Café offering gourmet food and beverages in a stylish setting.
- High-quality furnishings with a combination of wood, glass, and metal accents for a sophisticated dining experience.

6. Lighting & Acoustics

- Soft LED lighting with dimmable options to enhance the cinematic feel.
- Soundproof walls and advanced acoustic treatments for superior audio clarity inside theaters.
- Strategic spotlighting to highlight architectural elements without overpowering the ambiance.

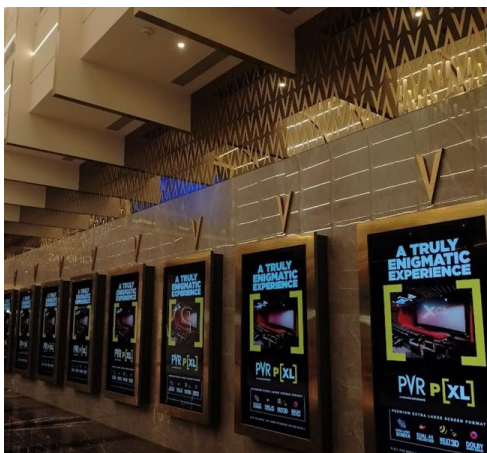
7. Seating & Comfort

- Recliner seats with ample legroom and cup holders in premium halls.
- Ergonomic seating with plush cushioning for a luxurious movie experience.
- VIP zones with exclusive entry, added privacy, and enhanced comfort.



4.1.8 MATERIALS USED

- Flooring: High-quality marble, vitrified tiles, and carpeted areas in premium sections.
- Walls & Panels: Acoustic wooden panels, fabric cladding, and textured wallpapers for soundproofing and aesthetics.
- Ceiling: False ceilings with LED cove lighting, metal grids, and acoustic panels.
- Seating: Plush leather and fabric-upholstered recliners with ergonomic cushioning.
- Lighting Fixtures: LED strip lights, chandeliers, and wall sconces for ambiance.
- Glass & Metal: Tempered glass partitions with brass/gold metal trims in VIP areas.
- Furniture: Wood, metal, and glass combination for tables, counters, and lounge areas.
- Doors & Partitions: Soundproof wooden doors with metallic inlays and frosted glass partitions.
- Signage & Displays: Digital LED screens and backlit acrylic panels for branding.



4.1.9 THEATRES

1. Interior Design

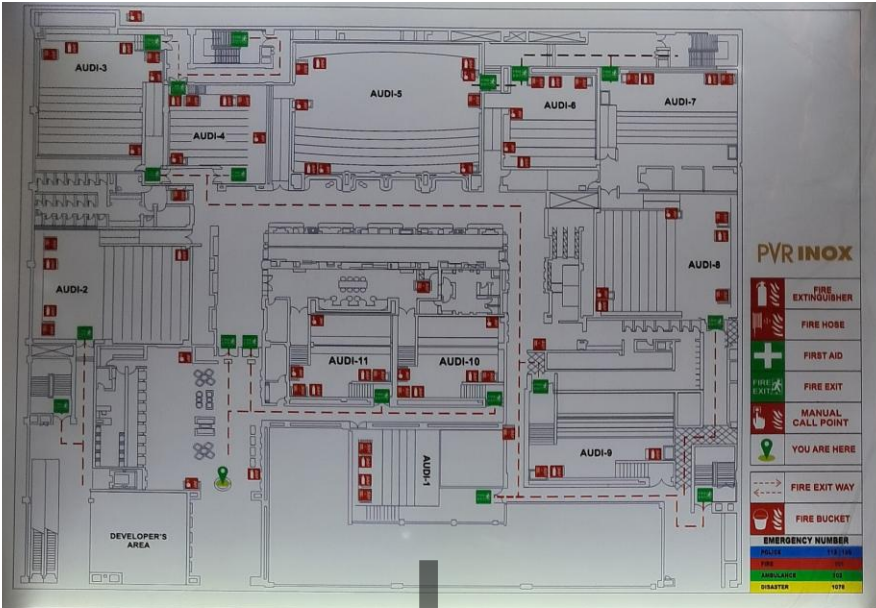
- Seating Arrangement: Ergonomic recliner seats with plush upholstery, arranged in stadium-style tiers for unobstructed views.
- Wall & Ceiling Treatments: Acoustic fabric panels, wood veneer, and metal accents for a premium look and sound control.
- Lighting Design: Soft ambient lighting, LED strips, and step lights for visibility without distraction.
- Flooring: Carpeted floors to absorb sound and enhance comfort.
- Aesthetic Elements: Luxury lounge areas, digital screens, and gold-accented decor for a high-end cinematic feel.

2. Acoustics & Soundproofing

- Sound Absorption: Walls lined with acoustic panels to reduce echoes and improve sound clarity.
- Noise Isolation: Double-layer drywall and floating floors to prevent external noise interference.
- Ceiling Treatments: Perforated acoustic panels for uniform sound distribution.
- Bass Management: Special low-frequency absorbers to control deep sound vibrations.



4.1.10 SITE LAYOUT PLAN



2 Second Floor



Screen Type	Seat Count
Kotak Luxe	48
PXL	315
Recliners	200

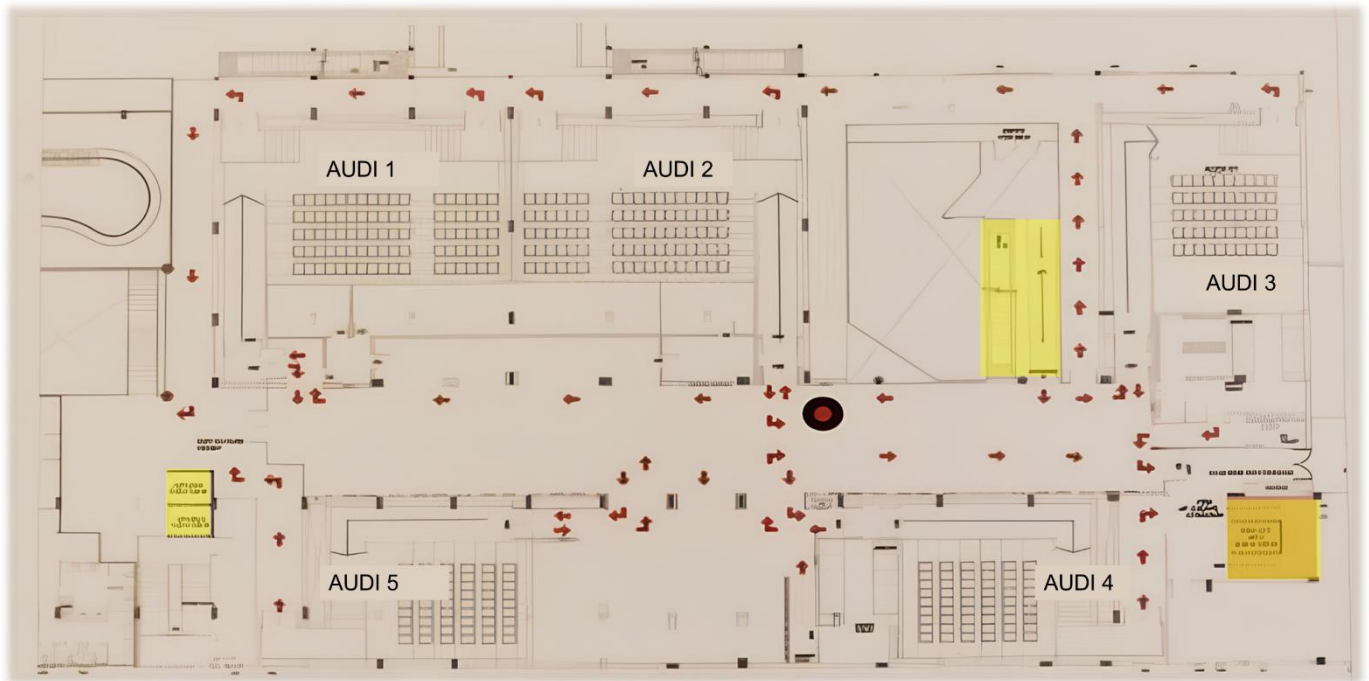
CHAPTER 5 : LITERATURE STUDY

5.1 LITERATURE STUDY-01 : INOX TAKSH GALAXY,VADODARA

5.1.1 INTRODUCTION

Location:- 2nd Floor, Taksh Galaxy Mall, NH-8, Waghodiya Cross Road – Vadodara.

5.1.2 FLOOR PLAN



STAIRCASE & LIFT

CIRCULATION

5.1.3 INTERIOR DETAILS



• CORRIDOR



- Towards the quick fix the colours seem to be more warm.
- This lobby may spill out people during peak hours to outside due to insufficient space for a long queue.



- Materials are used like corian on table top of the counters, Vitrified tiles on floor, LED signage of shop names, S.S que manager etc.



- No of screens 5.
- The theatres are of same layout .
- Cinemascope picture.
- Format Dolby atmos 7.1.
- There is 1 entry and 2 exits, one exit is used in case of fire.
- LED Strip lights used on side walls.



- Back moulded polyurethane seats.
- Customized uphoistered, plywood or perforated polypropylene and glass fibre moulded back which is good for acoustics
- Legs are moulded aluminium epoxy finish for aesthetic improvement as well as cleaning and maintenance.

AUDI No.	Seat Count
AUDI 1	85
AUDI 2	85
AUDI 3	50
AUDI 4	54
AUDI 5	54



- Materials are used like corian on table top of the counters, Vitrified tiles on floor, LED signage of shop names, S.S que manager etc.



- Box office is along with the counter outside the main lobby.
- This space is also meant for people to stand and watch the movie trailers.



- The waiting lounge is provide only within the theatre lobby.
- This space is meant to entertain and to relax the people with tickets waiting to enter for next show.



- The utilities likes Drinking Water and Toilet Are Provided in the theatre.
- Signage of drinking water is attractive, Signage is made of acrylic LED letters.
- Toilet having good aesthetics, LED mirrors are good aesthetic feature in toilet, walls of the toilet are fully covered with vitrified tiles.

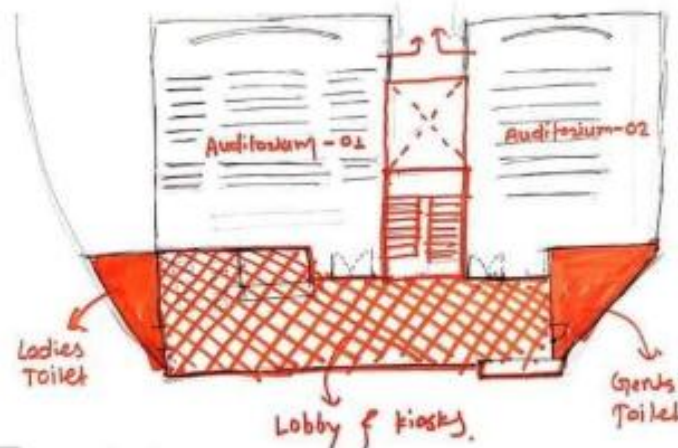
5.2 LITERATURE STUDY-02 : FIRST CINEMA, JAIPUR

5.2.1 INTRODUCTION

Location:- Jaipur Cityplex mall , Tonk road, Durgapura, Jaipur.



5.2.2 CONNECTIVITY



- First cinema multiplex have two Auditorium. Multiplex are located at third & fourth floor. They can be reached through escalators, lifts and staircase. All multiplexes connected with a common corridor. A common lobby has been provided for both multiplexes.

	SIZE	AREA	CAPACITY	PER PERSON AREA
AUDI 1	18M X 30M	548 sqm.	392	1.4
AUDI 2	14M X 21M	293 sqm	209	1.4

5.2.3 INTERIOR DETAILS

CIRCULATION:

- 1 lifts, 1 staircases and there is no escalators 3m wide corridors attach with kiosks.
- 2 m wide staircase.

Inferences:

- 2 theatres, 1 common lobby for theatres. Any place for mass gathering requires a temporary buffer zones so as to avoid any sort of rampage or confusion.
- No immediate requirement but still a strong crowd puller. Big enough to accommodate a substantial amount of crowd.



TOILETS

- No toilets are provided for specially abled people.
- Entrances and exits have been adjusted according to the levels. This has been done to adjust the flow of traffic during peak hours.



PROVIDED	MALE	FEMALE
WC	5	9
WASHBASIN	3	3
URINALS	9	-



AUDITORIUM ENTRANCE

- Space provided in front of box office is approx 2m, which is not enough to control crowd. Box office has two ticket windows.
- Corridor space next to box office is use for showcase of movie poster.
- There is no dedicated space provide for security check, so the passage between hall is being used as security check.



CORRIDOR



FOOD KIOSK AREA



CHAPTER 6 : COMPARATIVE ANALYSIS

Category	Site Analysis (Omaxe, Lucknow)	Case Study (PVR Lulu Mall)	Standards	Literature Study 01 (INOX Vadodara)	Literature Study 02 (First Cinema, Jaipur)
Location	Gomti Nagar Ext., Lucknow	Sushant Golf City, Lucknow	—	NH-8, Vadodara	Tonk Road, Jaipur
Site Area	5000 sqft	20,000 sqft	—	10000sqft	7000sqft
Connectivity	Good via road, rail, air	Excellent (road, metro, airport)	—	Good	Adequate
Screens	2	11 (PXL, 4DX, Luxe)	Various projection types	5	2
Auditorium Design	Recliners, classic, luxury comfort	Recliners, 4DX motion seats, Luxe comfort	Viewing angles, screen sizes, acoustics	ergonomic design	High capacity audis
Seating Capacity	104 seats per audi	11 audis, varying seat capacities	Max. 10 seats per row per aisle	Audi 01-85 Total 328	Audi 01-392 Audi 02- 209
Materials Used	Profile lights, velvet fabric , acoustic panels, marble, metal	Leather/fabric recliners, acoustic panels, marble, brass	Sound insulation, absorbent materials	Polyurethane, glass fiber, vitrified tiles, veneer	Marble, LED signage, wooden panel
Interiors & Ambiance	Modern luxe, high-end	Luxury theme, warm tones, modern lighting	Non-reflective surfaces, controlled lighting	Warm tones, limited waiting space	Basic interiors, inadequate ticket zone

Category	Site Analysis (Omaxe, Lucknow)	Case Study (PVR Lulu Mall)	Standards	Literature Study 01 (INOX Vadodara)	Literature Study 02 (First Cinema, Jaipur)
Lobby & Waiting Area	Basic provision, digital kiosks, box office	Grand entrance, digital kiosks, food court	Emergency light , materials	Small lounge, may overflow	Common lobby for both screens
Toilets & Utilities	Restrooms included	Accessible restrooms, good aesthetics	Proper acoustic separation	Included-LED mirrors, aesthetic design	Restrooms included
Circulation & Layout	Efficiently zoned	Efficiently zoned with VIP & control rooms	Max. 10% slope or stepped, 1.2m aisle	Lobby may overflow	Limited space
Projection & Acoustics	High-end projection, Sound proofing	High-end projection, soundproofing	Dolby stereo, acoustics, projection angles	Dolby Atmos 7.1, good acoustics	Good acoustic treatment
Special Features	Materials and lighting, futuristic approach	PVR Café, 4DX, Luxe, digital menus	Loudspeaker placement, reverberation control	Waiting lounge, LED signage	High capacity audis
Standards Compliance	Compliant design	Likely high	Detailed (screen distance, seating,	Compliant design	Partially compliant design

CHAPTER 7 : CONCEPT

7.1 FUTURISTIC EXPERIENCE

A cutting-edge multiplex cinema design that blends sleek architecture, immersive lighting, and smart technology to create a next-generation movie environment. The space feels dynamic, modern, and transformative — offering users a cinematic journey beyond the ordinary through fluid forms, interactive elements, and a tech-forward aesthetic. The design aims to evoke the feeling of stepping into a futuristic world, where every surface, color, and experience is curated to stimulate curiosity, engagement, and excitement.

- Immersive environment: Use of LED lighting, ambient projections, and digital walls to transform spaces.
- Tech integration: Self-service kiosks, AR/VR zones, interactive digital signage, smart ticketing systems.
- Floating architecture: Curved, suspended forms and pod-like structures that feel weightless.
- Fluid circulation: Design spaces that guide users intuitively using light, floor patterns, and spatial zoning.
- Light as design: Use programmable lighting to change the mood based on time, movie genre, or events.

7.2 INTERIOR STYLE: MODERN

Modern interior design in cinemas focuses on creating sleek, functional, and comfortable environments that enhance the movie-going experience.

- Clean Lines and Minimalism: Utilizing simple, uncluttered layouts with minimal decorative elements to maintain a streamlined aesthetic.
- Neutral Color Palettes: Employing shades like gray, black, and white to establish a sophisticated atmosphere, often complemented by subtle accent colors for visual interest.

- Innovative Lighting:** Incorporating LED and ambient lighting to guide patrons and create an immersive environment, while also highlighting architectural features.
- Functional Layouts:** Designing spaces that facilitate smooth traffic flow and accessibility, ensuring ease of movement for all visitors.
- Acoustic Considerations:** Integrating sound-absorbing materials and strategic design to enhance audio quality within auditoriums.

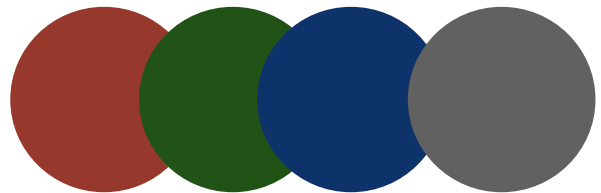
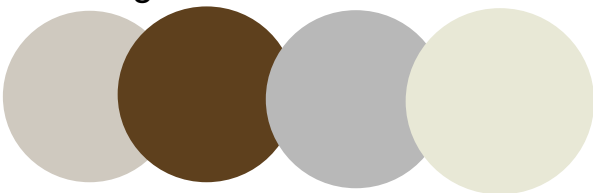
7.3 INTERIOR THEME : MODERN LUXE

Modern Luxe interior design seamlessly blends the clean lines and simplicity of modern aesthetics with the opulence and sophistication of luxury elements. This style emphasizes minimalist layouts adorned with high-quality materials, rich textures, and refined finishes, creating spaces that are both functional and elegant.

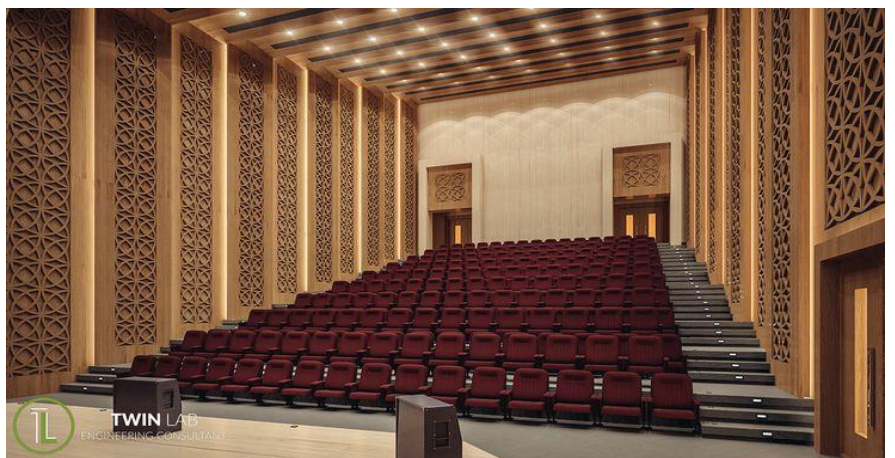
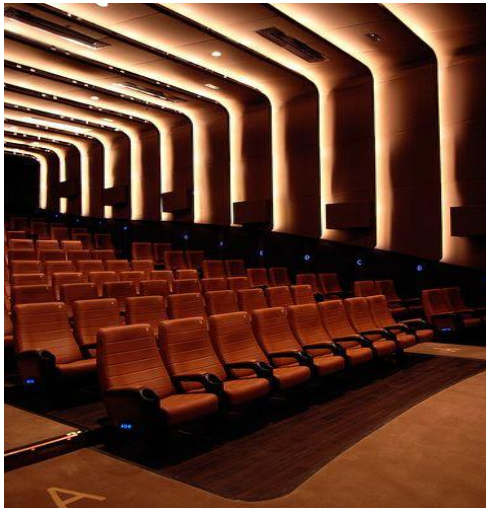
- Minimalist Elegance:** Uncluttered spaces with a focus on simplicity, allowing each design element to stand out.
- High-Quality Materials:** Use of premium materials such as marble, brass, natural stone, and rich textiles to add sophistication and depth.
- Neutral Color Palette:** Predominantly neutral tones like whites, blacks, and grays, often accented with bold colors to create visual interest.
- Luxurious Textures:** Incorporation of plush fabrics like velvet and silk, along with polished metals, to enhance the tactile experience.
- Statement Pieces:** Inclusion of standout furniture or art pieces that serve as focal points, adding character and a personalized touch to the space.

7.4 COLOUR SCHEME

- Base Colors:** Shades of gray, beige, or taupe for walls and flooring create a neutral and calming environment.

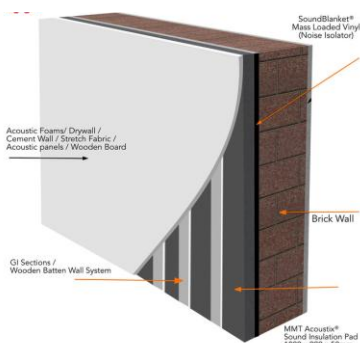
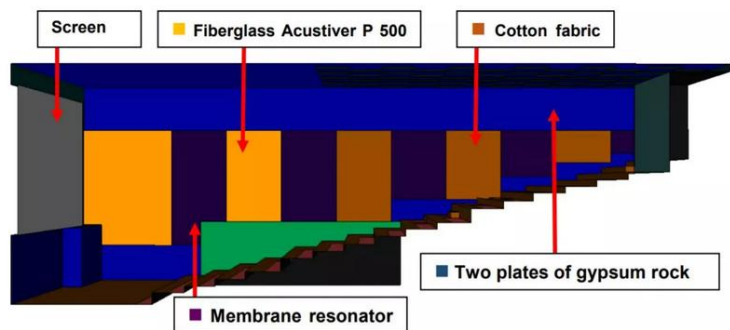


- Accent Colors:** Deep reds, navy blues, or emerald greens can be introduced through seating, curtains, or decorative elements to add vibrancy and focus.

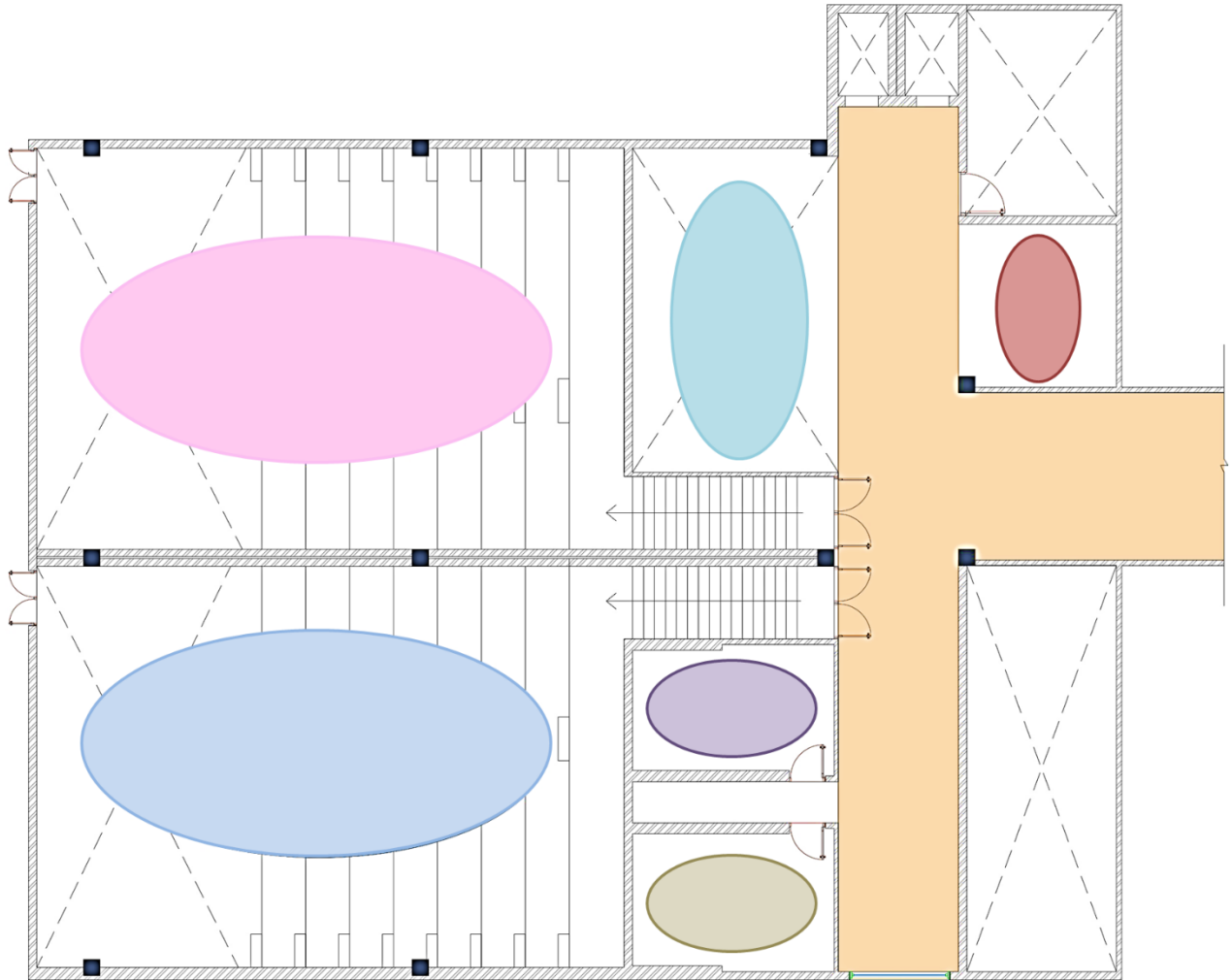


7.5 ACOUSTIC TREATMENT

- Acoustic Panels: Absorb sound reflections to reduce echoes and reverberation.
- Bass Traps: Target low-frequency sounds to prevent bass buildup.
- Mass Loaded Vinyl (MLV): Acts as a sound barrier to block noise transmission through walls and ceilings.
- Acoustic Curtains: Heavy fabrics that absorb sound and cover reflective surfaces.
- Floating Floors: Decouple the floor from the building structure to minimize vibration transmission.
- Acoustic Ceilings: Utilize specialized ceiling panels to absorb sound and minimize reflections.
- Acoustic Diffusers: Scatter sound waves to create a more uniform and natural sound environment.



7.6 ZONING

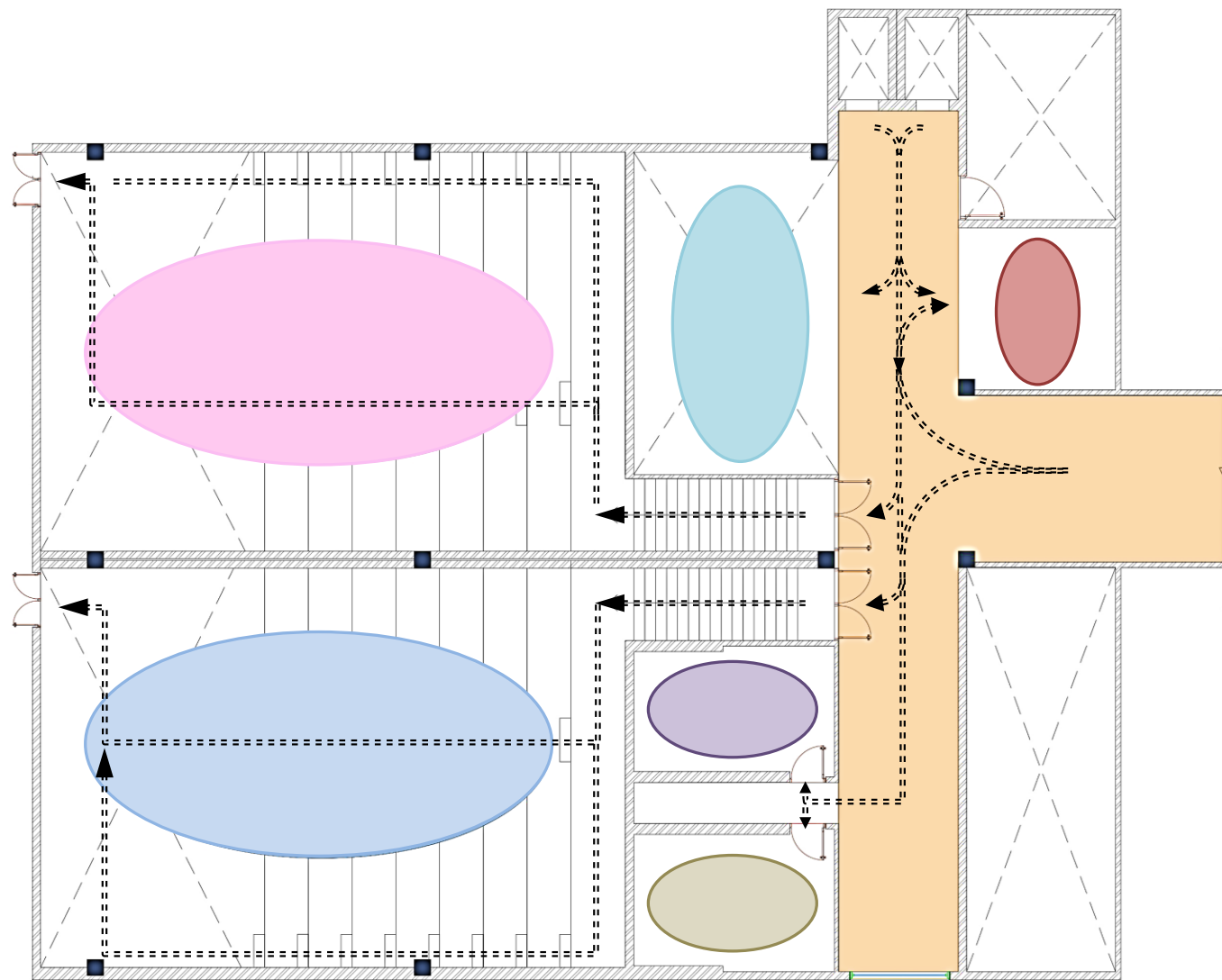


AREA

AUDI 1 -1700 SQFT
AUDI 2- 1700 SQFT
FOOD COURT- 430 SQFT
LOBBY-940 SQFT
RESTROOMS - 430 SQFT

- AUDI 1
- AUDI 2
- FOOD COURT
- FEMALE RESTROOMS
- MALE RESTROOMS
- LOBBY
- TICKET COUNTER

7.7 CIRCULATION



CHAPTER 8 : DESIGN DEVELOPMENT

BIBLIOGRAPHY

Books

- Cinema Architecture – Chris van Uffelen
- Master Handbook of Acoustics – F. Alton Everest
- Architectural Acoustics – M. David Egan
- Planning and Designing of a Multiplex Movie Theatre – IRJET Journal
- The Architecture of Cinemas – Ruth P. Harmon
- Designing Interior Architecture – Sylvia Leydecker
- Lighting Design Basics – Mark Karlen & Christina Spangler
- Time Saver Standards for interior design
- Neuferts 4th edition

Websites

- www.archdaily.com
- www.researchgate.net
- www.indianstandards.gov.in (IS 4878:1986 – Cinema Byelaws)
- www.rockfon.com (Cinema Acoustic Design Guide)
- www.vicoustic.com (Acoustic Solutions for Cinemas)
- www.omaxe.com (Omaxe Hazratganj Project Info)
- www.business-standard.com (News on PVR Lulu Superplex)
- www.thearchitectsdiary.com
- www.inoxmovies.com (Cinema interiors & layouts)
- www.pvrcinemas.com (Formats and theater specifications)
- www.architectandinteriorsindia.com
- www.archello.com (Project-based case studies)

CASE STUDY-1 :PVR SUPERPLEX AT LULU MALL

INTRODUCTION

PVR Superplex at Lulu Mall, Lucknow, is a state-of-the-art 11-screen multiplex, offering a world-class cinematic experience. Located on the 2nd floor of Lulu Mall, Sushant Golf City, it features advanced formats like PXL (large-screen experience), 4DX (multi-sensory effects), and Luxe (luxury seating) for ultimate comfort and immersion.

As part of Lucknow's largest shopping and entertainment hub, the multiplex provides a premium movie experience, complemented by a PVR Café, a mega food court with top brands, and ample parking facilities. The theater is equipped with high-end projection and sound systems, ensuring crystal-clear visuals and exceptional audio.

With convenient online booking, food and beverage services, and easy accessibility, PVR Superplex at Lulu Mall is the ultimate destination for movie lovers in Lucknow.

SITE DETAILS

- **LOCATION:** 2ND FLOOR, LULU MALL, SUSHANT GOLF CITY, SHAHEED PATH, LUCKNOW, UTTAR PRADESH, INDIA.
- **SITE AREA:** 20,000 SQFT
- **DIRECTION:** THE MALL'S MAIN ENTRANCE FACES NORTH, PROVIDING CONVENIENT ACCESS FROM THE MAIN ROAD.

CONNECTIVITY

- 🛣️ **ROAD:** LOCATED ON SHAHEED PATH, WELL-CONNECTED TO GOMTI NAGAR, HAZRATGANJ, AND KANPUR ROAD.
- 🚆 **RAILWAY:** CHARBAGH (12 KM) & GOMTI NAGAR (8 KM) STATIONS NEARBY.
- ✈️ **AIRPORT:** CHAUDHARY CHARAN SINGH INTERNATIONAL AIRPORT (15 KM) VIA SHAHEED PATH.
- 🚌 **BUS STATIONS:** ALAMBAGH ISBT (12 KM) AND CHARBAGH BUS STATION (11 KM).

SITE NEARBY LANDMARK



SUSHANT GOLF CITY



MEDANTA HOSPITAL

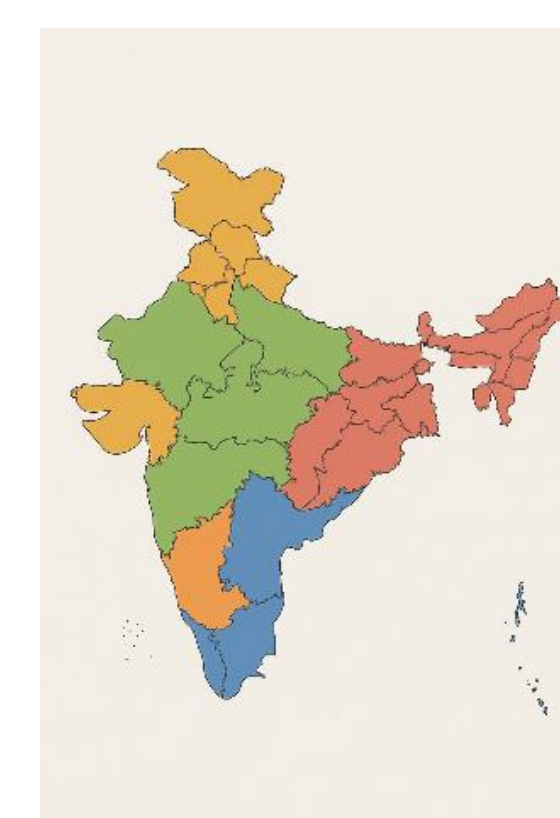
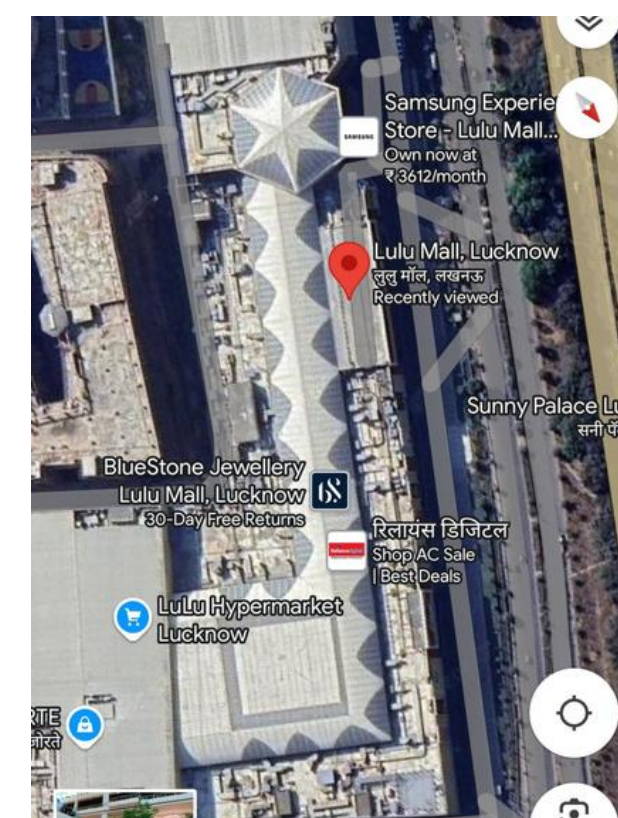


EKANA INTERNATIONAL CRICKET STADIUM



HCL IT CITY

SITE IDENTIFICATION



SPACE REQUIREMENT

- Entrance & Lobby: Grand foyer, ticket counters, digital kiosks, waiting lounge. (3000sqft) approx area.
- Box Office: Self-service kiosks, traditional counters.
- Auditoriums: PXL, 4DX, Luxe screens with premium seating. (16000sqft) approx area.
- Concession & Dining: Snack counters, PVR Café, seating area. (2000sqft) approx area.
- Projection & Control Room: HD projectors, sound control. (1000sqft) approx area.
- Restrooms: Multiple, accessible facilities. (1200sqft) approx area.
- VIP Lounge: Private waiting, exclusive entry/exit.
- Staff & Storage: Management offices, inventory rooms. (1000sqft) approx area.
- Safety & Security: Fire exits, security checkpoints. (2500sqft) approx area.



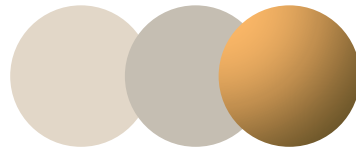
ABOUT INTERIORS

1. Interior Theme

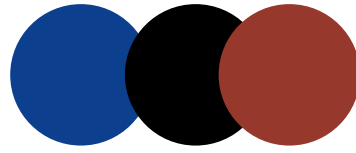
The design follows a modern luxury theme, blending sophisticated aesthetics with cutting-edge technology to create an immersive cinematic experience. The interiors emphasize comfort, elegance, and functionality while maintaining a high-end, premium feel.

2. Color Palette

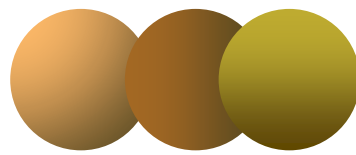
- Warm Neutrals – Beige, taupe, and soft gold for a cozy yet upscale ambiance.



- Deep Accents – Dark blue, black, and maroon used in seating, walls, and décor for a cinematic, intimate atmosphere.



- Metallic Finishes – Gold and copper highlights in lighting fixtures and trims add a touch of opulence.



3. Auditorium Design

- PXL Screens: Large-format screens with ultra-modern seating arrangements designed for maximum viewing comfort.
- 4DX Theaters: Motion-enabled seats with immersive sensory effects like wind, mist, and vibrations.
- Luxe Theaters: Recliner seating with plush upholstery, side tables, and premium comfort features.

4. Lobby & Waiting Area

- Contemporary décor with digital screens showcasing movie posters and trailers.
- Soft ambient lighting to create a calm and inviting atmosphere.
- Spacious seating areas for relaxation before movie screenings.

5. Concession & Dining Areas

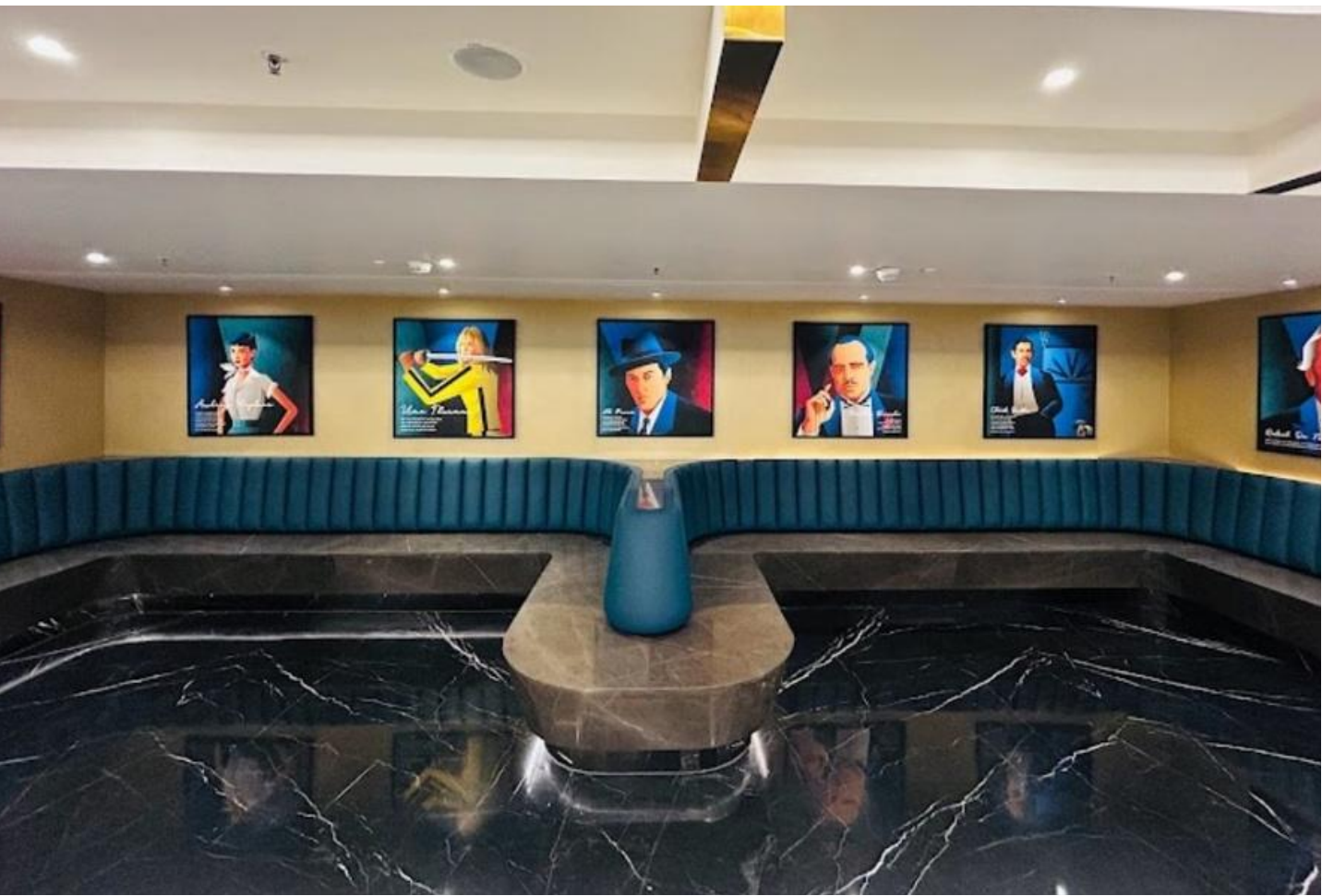
- Modern snack bars with interactive digital menu boards.
- PVR Café offering gourmet food and beverages in a stylish setting.
- High-quality furnishings with a combination of wood, glass, and metal accents for a sophisticated dining experience.

6. Lighting & Acoustics

- Soft LED lighting with dimmable options to enhance the cinematic feel.
- Soundproof walls and advanced acoustic treatments for superior audio clarity inside theaters.
- Strategic spotlighting to highlight architectural elements without overpowering the ambiance.

7. Seating & Comfort

- Recliner seats with ample legroom and cup holders in premium halls.
- Ergonomic seating with plush cushioning for a luxurious movie experience.
- VIP zones with exclusive entry, added privacy, and enhanced comfort.



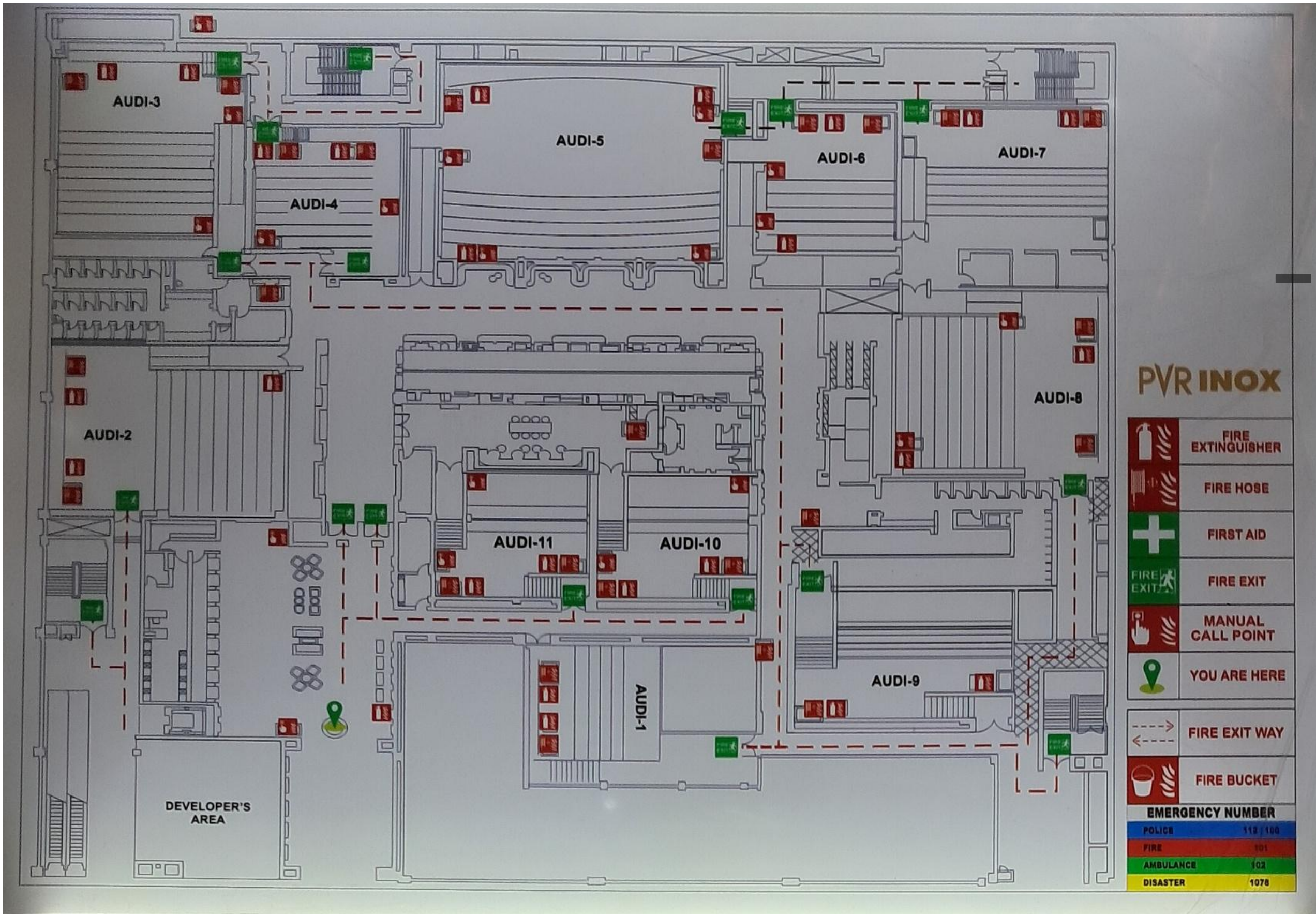
MATERIALS USED

- Flooring: High-quality marble, vitrified tiles, and carpeted areas in premium sections.
- Walls & Panels: Acoustic wooden panels, fabric cladding, and textured wallpapers for soundproofing and aesthetics.
- Ceiling: False ceilings with LED cove lighting, metal grids, and acoustic panels.
- Seating: Plush leather and fabric-upholstered recliners with ergonomic cushioning.
- Lighting Fixtures: LED strip lights, chandeliers, and wall sconces for ambiance.
- Glass & Metal: Tempered glass partitions with brass/gold metal trims in VIP areas.
- Furniture: Wood, metal, and glass combination for tables, counters, and lounge areas.
- Doors & Partitions: Soundproof wooden doors with metallic inlays and frosted glass partitions.
- Signage & Displays: Digital LED screens and backlit acrylic panels for branding.

THEATERS

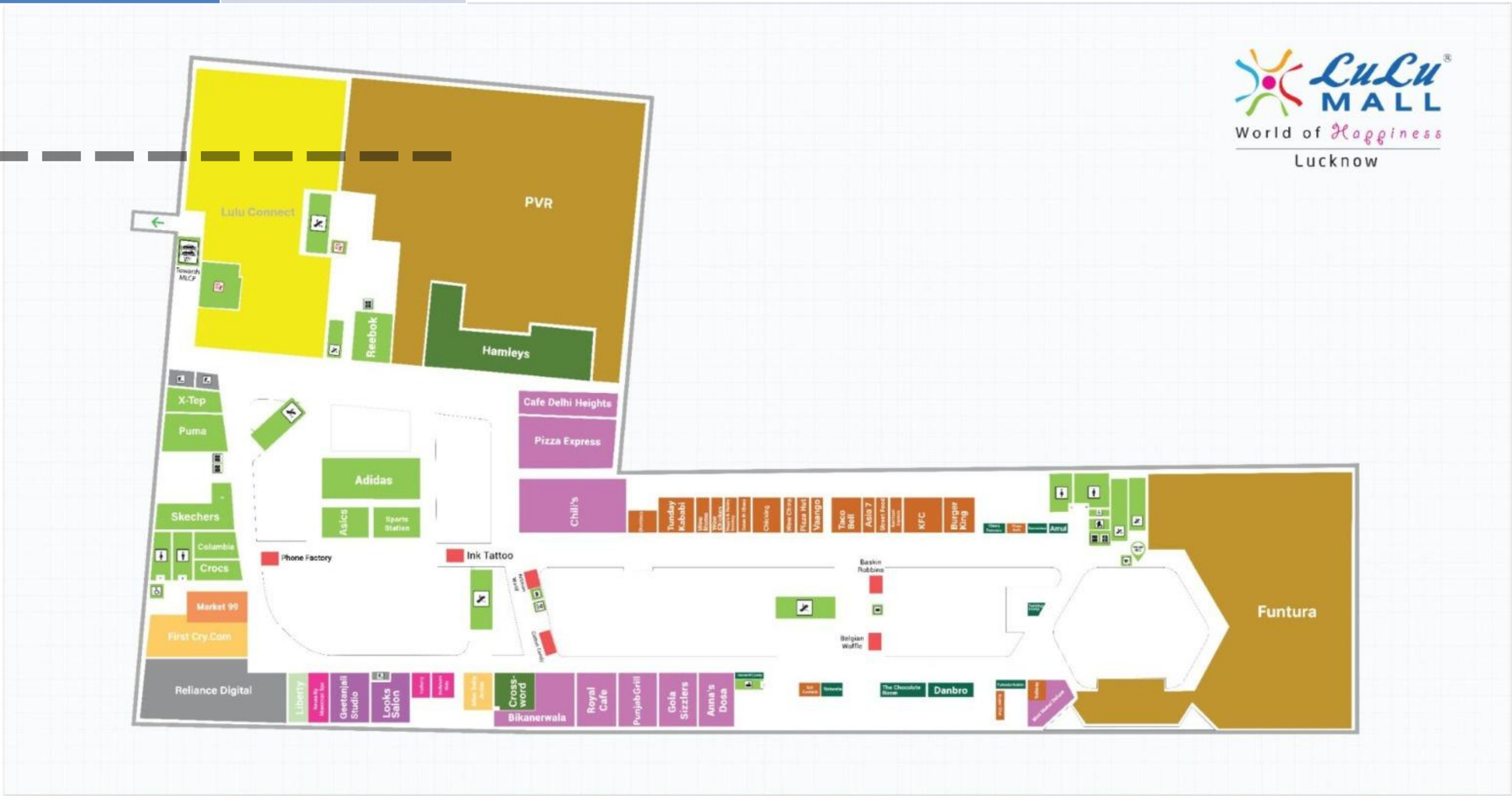
1. Interior Design
- Seating Arrangement: Ergonomic recliner seats with plush upholstery, arranged in stadium-style tiers for unobstructed views.
 - Wall & Ceiling Treatments: Acoustic fabric panels, wood veneer, and metal accents for a premium look and sound control.
 - Lighting Design: Soft ambient lighting, LED strips, and step lights for visibility without distraction.
 - Flooring: Carpeted floors to absorb sound and enhance comfort.
 - Aesthetic Elements: Luxury lounge areas, digital screens, and gold-accented decor for a high-end cinematic feel.
2. Acoustics & Soundproofing
- Sound Absorption: Walls lined with acoustic panels to reduce echoes and improve sound clarity.
 - Noise Isolation: Double-layer drywall and floating floors to prevent external noise interference.
 - Ceiling Treatments: Perforated acoustic panels for uniform sound distribution.
 - Bass Management: Special low-frequency absorbers to control deep sound vibrations.

SITE LAYOUT PLAN



Screen Type	Seat Count
Kotak Luxe	48
PXL	315
Recliners	200

2 Second Floor



SITE ANALYSIS

ABOUT THE CITY

Lucknow, the capital of Uttar Pradesh, is known as the "City of Nawabs" for its rich cultural heritage, elegant architecture, and refined traditions. Famous for its Mughal-Awadhi monuments, chikankari embroidery, and cuisine, the city blends history with modern urban development. It is also a growing center for education, administration, and commerce, with improving infrastructure and connectivity. The city’s blend of heritage and progress makes it a unique and vibrant part of India’s urban landscape. Lucknow’s expanding urban spaces, cultural landmarks, and hospitality make it a symbol of graceful living and modern growth, attracting people from across the country.

SITE DETAILS

- LOCATION: 1ST FLOOR ,OMAXE HAZRATGANJ ,SEC-7, AMAR SHAHEED PATH, GOMTI NAGAR EXTENSION, LUCKNOW, UTTAR PRADESH 226002
- SITE AREA: 5000 SQFT
- OWNER: OMAXE LTD.
- ARCHITECT: DEEPAK VASHISTA

CONNECTIVITY

- ROAD: LOCATED ON SHAHEED PATH, WELL-CONNECTED TO GOMTI NAGAR, HAZRATGANJ, AND KANPUR ROAD.
- RAILWAY: CHARBAGH (13 KM) & GOMTI NAGAR (8 KM) STATIONS NEARBY.
- AIRPORT: CHAUDHARY CHARAN SINGH INTERNATIONAL AIRPORT (16 KM) VIA SHAHEED PATH.
- BUS STATIONS: ALAMBAGH ISBT (14 KM) AND CHARBAGH BUS STATION (11 KM).

SITE NEARBY LANDMARK



GD GOENKA PUBLIC SCHOOL



MEDANTA HOSPITAL

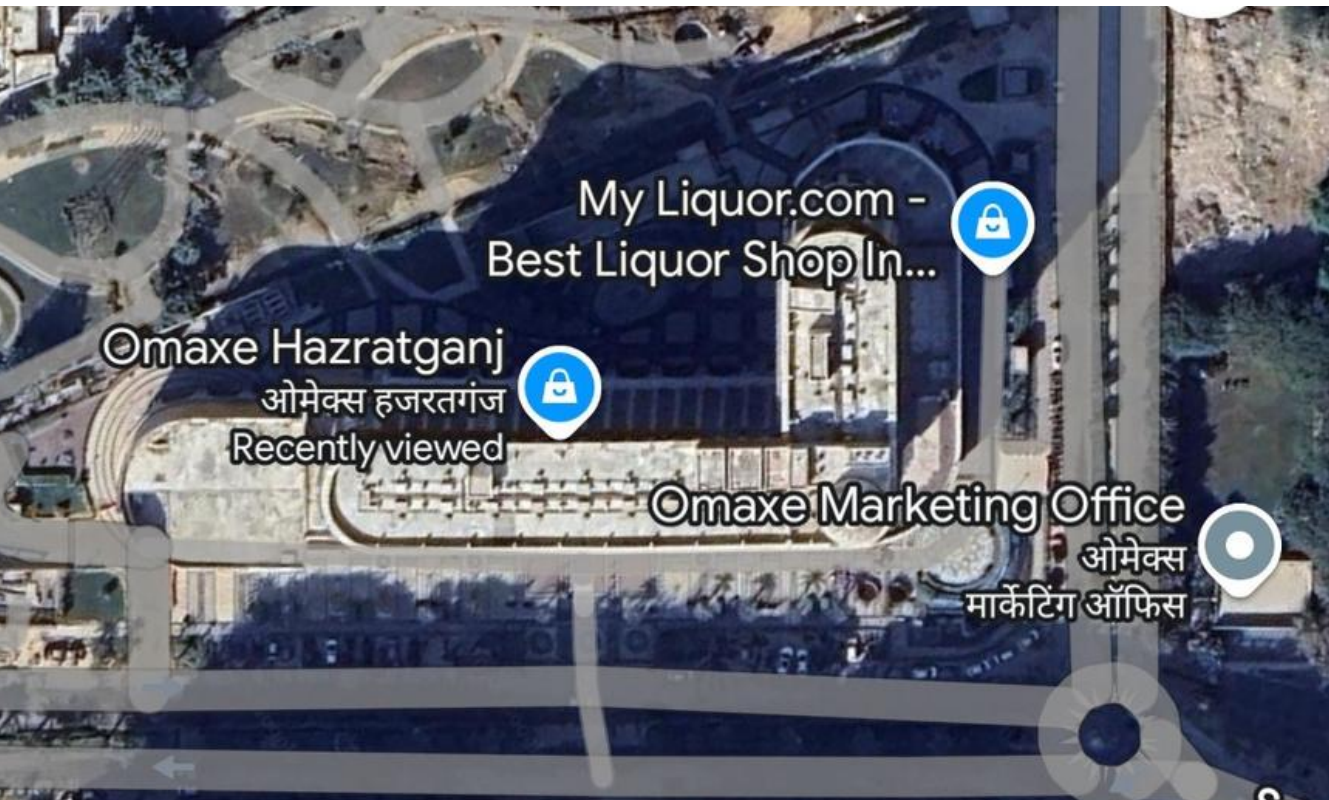
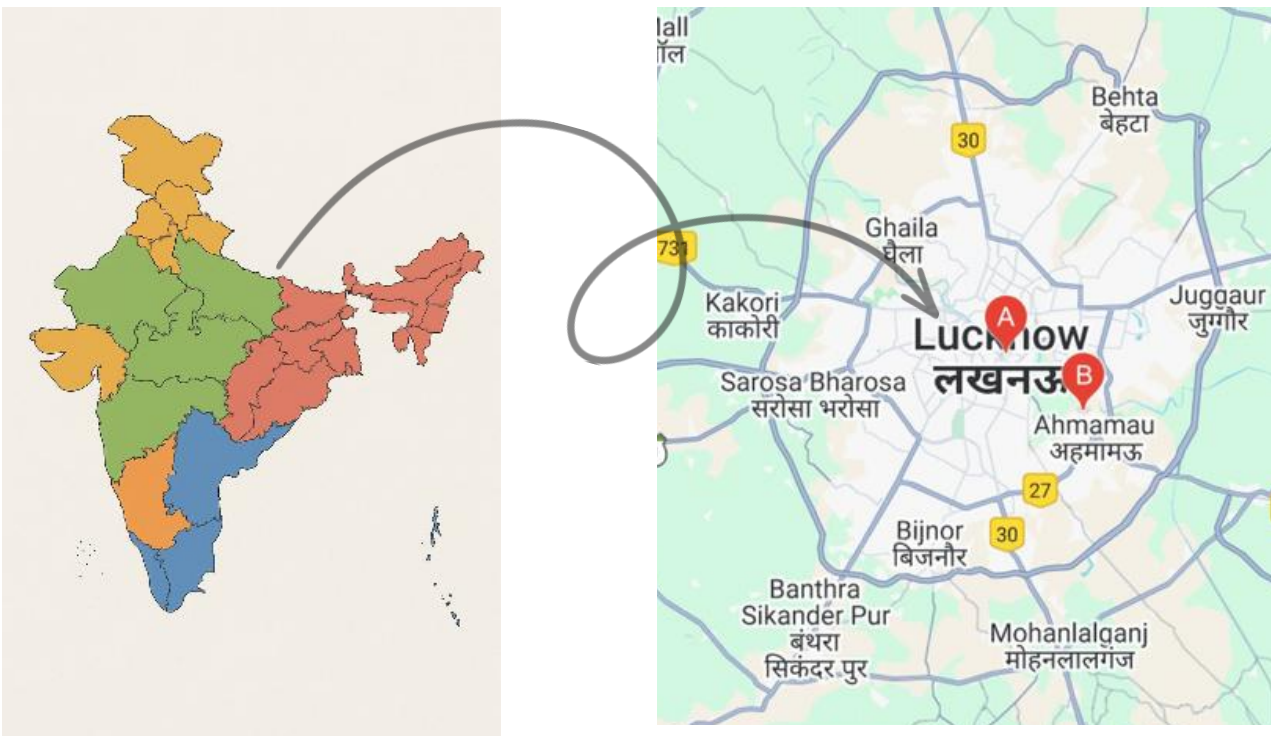


LULU MALL



HCL IT CITY

SITE IDENTIFICATION



ABOUT THE SITE

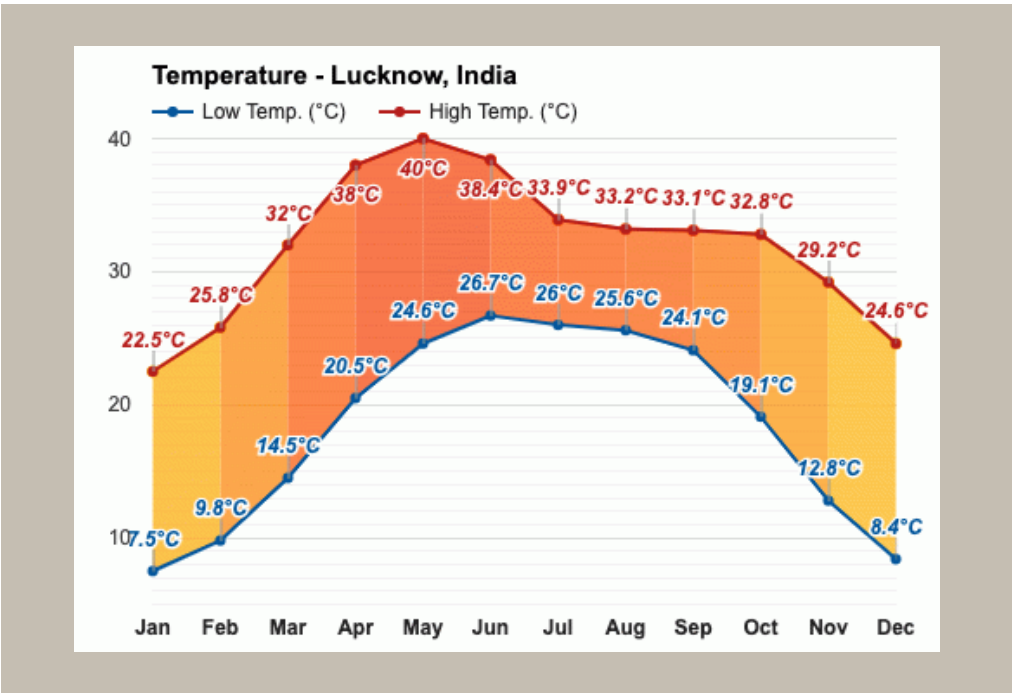
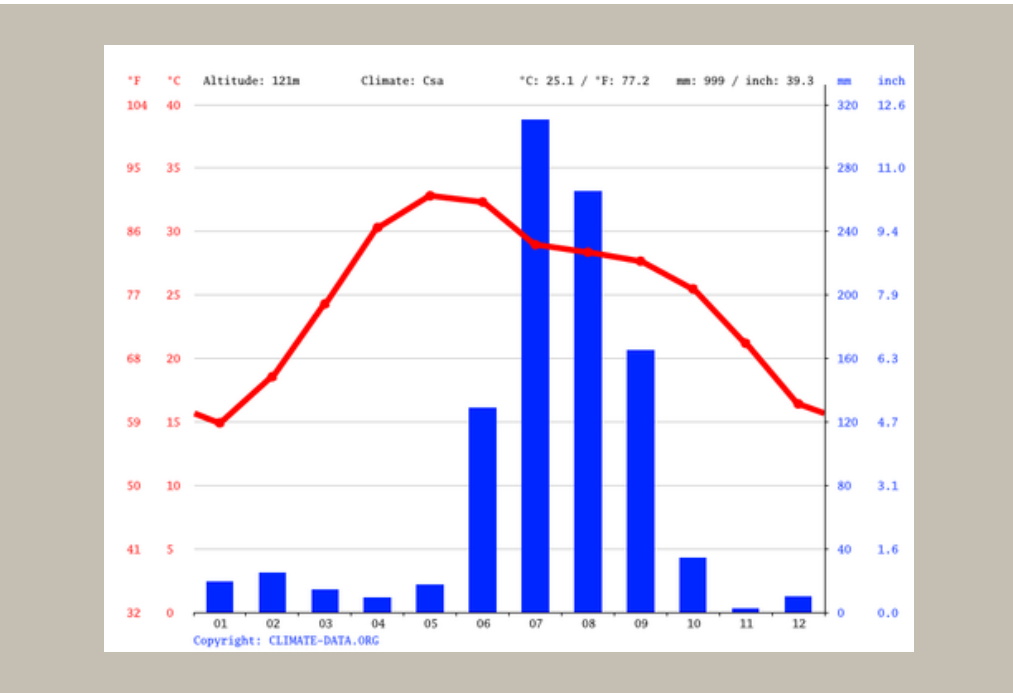
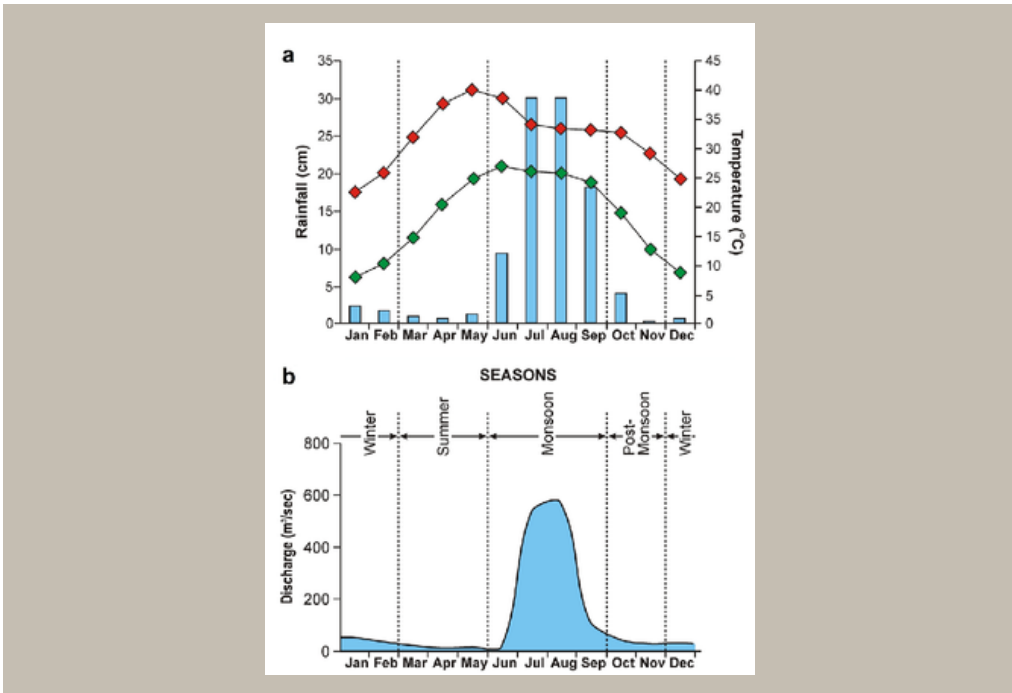
In the centre of Lucknow, Uttar Pradesh, the Omaxe Hazratganj Commercial Project is a luxurious multi-purpose building. This commercial project in Lucknow is an ideal fusion of luxury, convenience, and top-notch amenities, spread across a vast area of 5 acres. This project seeks to redefine what it means to live today and what it means to have a place to work.

The project includes a variety of high-end commercial spaces, including shops, food courts, multiplexes, offices, and serviced apartments, to meet the various requirements of both businesses and people. A variety of domestic and foreign brands are available in the three floors of prime shopping space that make up the retail area. The project has top-notch amenities like round-the-clock security, power backup, high-speed elevators, plenty of parking, and lush green surroundings to ensure a secure and comfortable living and working environment.

Three floors of luxurious shopping space make up the retail section, which features a wide variety of domestic and foreign brands. A five-screen multiplex and a food court with a variety of restaurants are also included in the project.

CLIMATE DATA

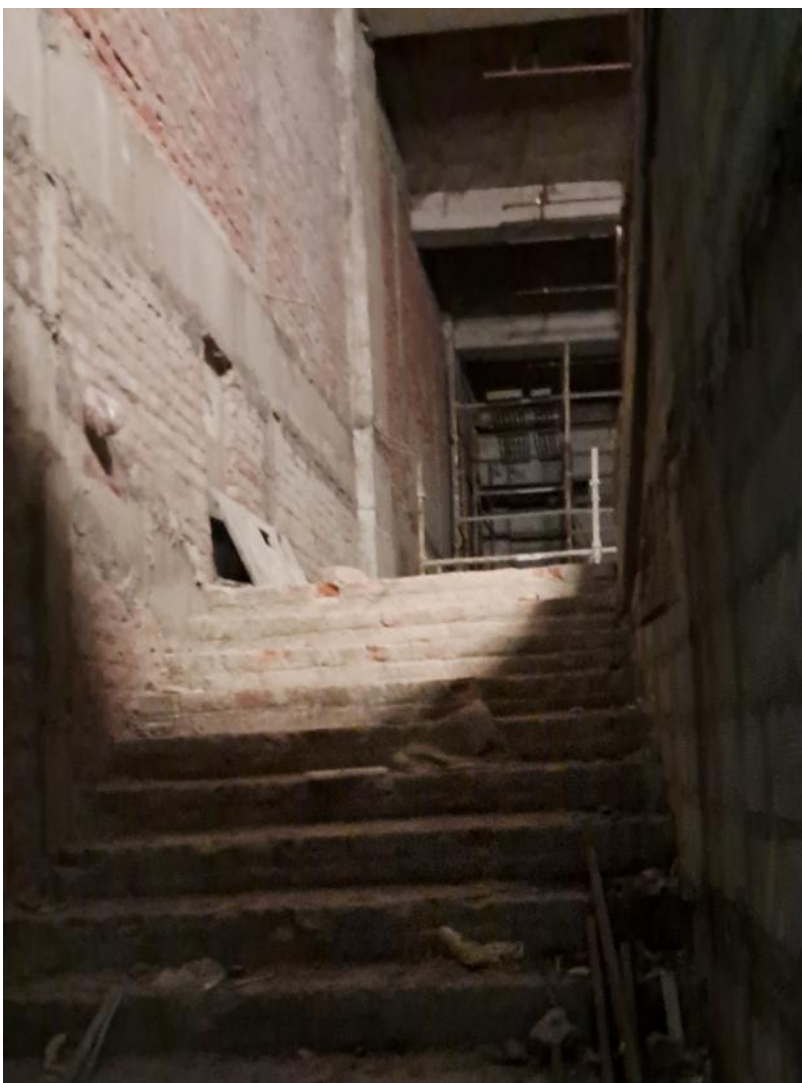
- All year climate & weather average in lucknow.
- High Temp: 45 °C
 - Low Temp: 7 °C
 - Mean Temp: 25 °C
 - Precipitation: 726 mm
 - Humidity:54%
 - Dew Point: 3 °C
 - Wind: 11 km/h
 - Pressure: 1015 mb. Visibility: 16 km



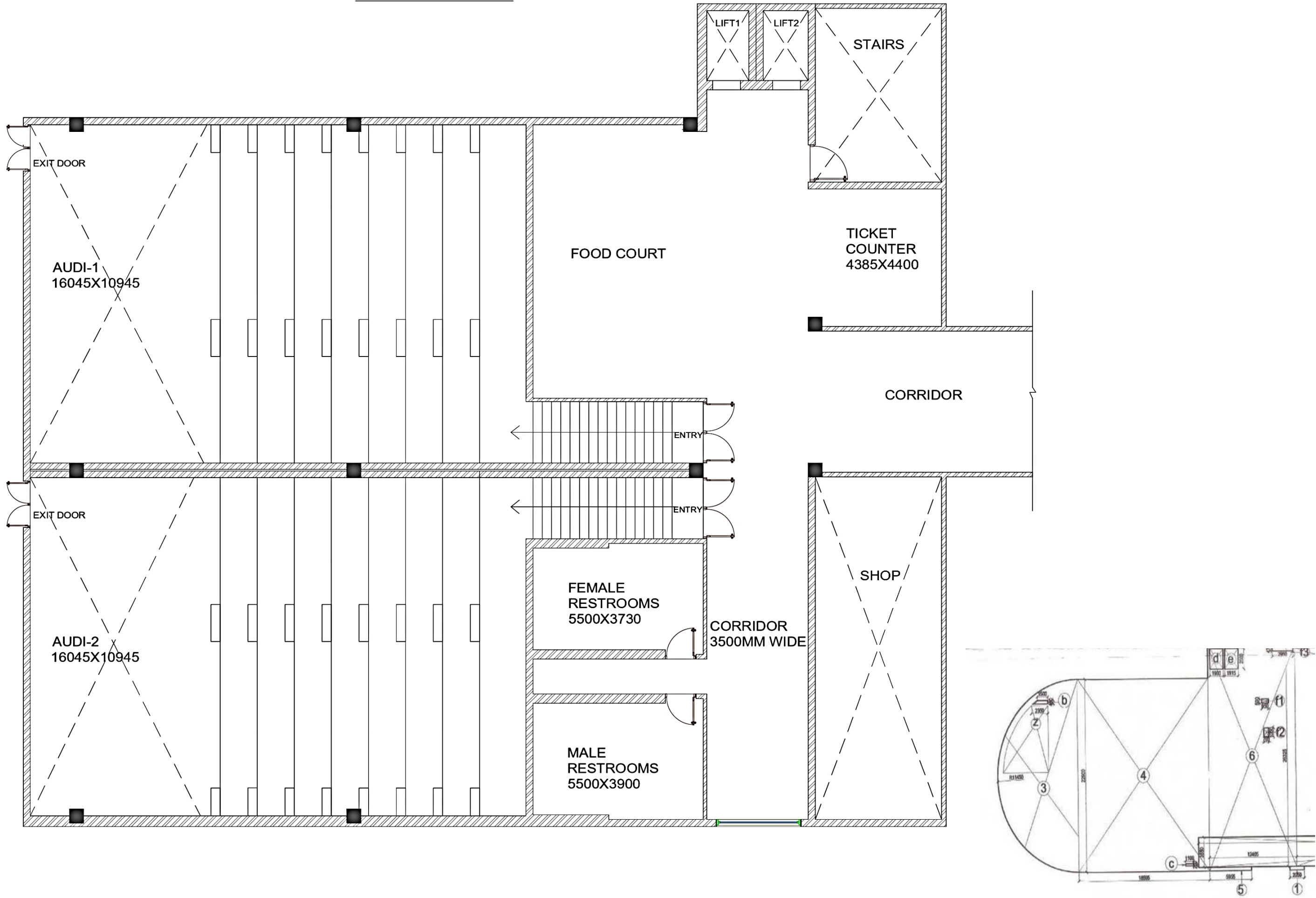
SPACE REQUIREMENT

- THEATERS
- LOBBY
- RESTROOMS

SITE IMAGES



SITE PLAN



STANDARDS

Picture projection:

- It has 1 m spacing from the projector at the back and on the operator side, 2.80 m height, ventilation and extraction, and sound insulation to the auditorium. The projection rooms of several auditoriums can be combined together.

Picture films:

- Film widths are 16 mm, 35 mm and 70 mm. The centre of the projection beam should not deviate more than so horizontally and vertically from the centre of the screen or it should be redirected by a deflection mirror.
- Conventionally, two projectors are operated with cross-blending. Automated operation with one projector plus horizontal film tray showing 4000 m reels without pause has become established worldwide, in many projection rooms remotely run from projection and control points. The film gives automatic signals for all projection functions like lens changing, hall lighting, stage lighting, curtain and picture covering.

Picture sizes:

- These depend on the distance of the projector from the screen and having a height-side relationship of 1 : 2.34 (Cinemascope) or 1 : 1.66 (wide screen) with a narrow auditorium width. The angle from the centre of the back row of seating to the outer edge of the picture should not exceed, for Cinemascope, 38° = distance of the back row : screen = 3:2

Screen:

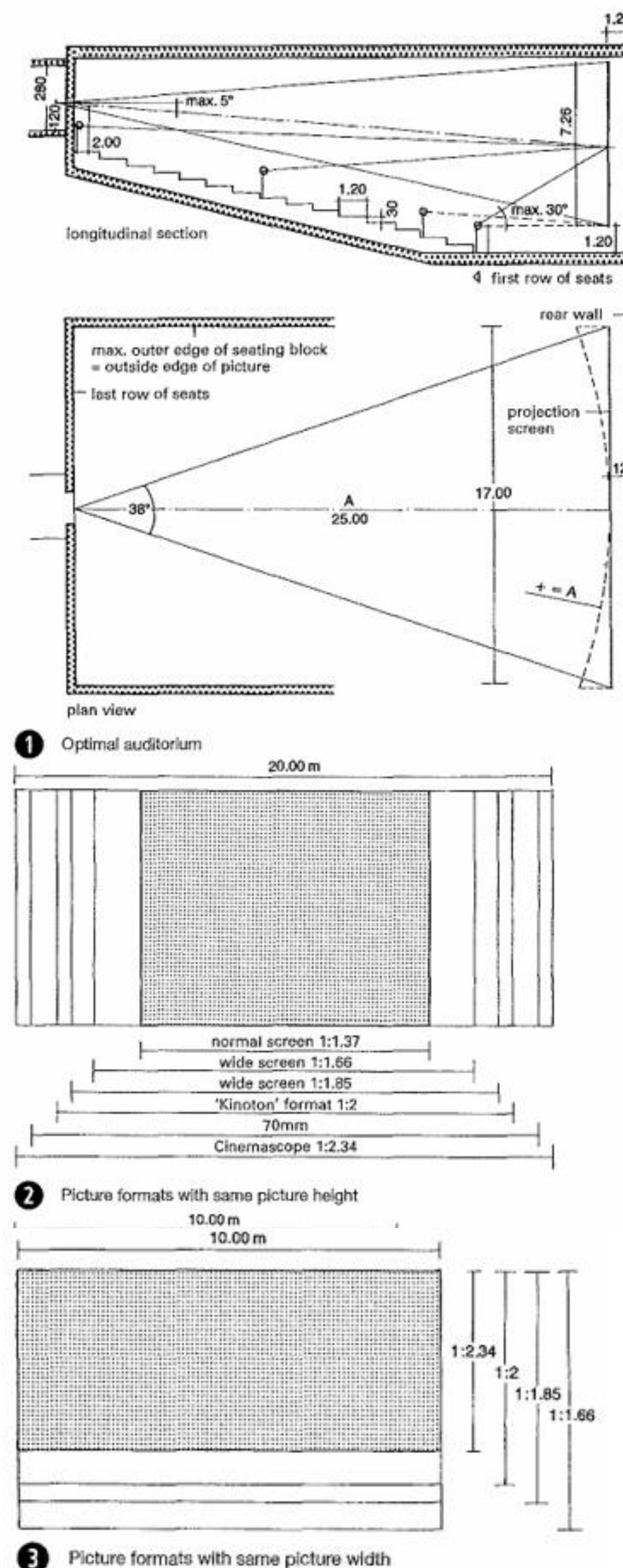
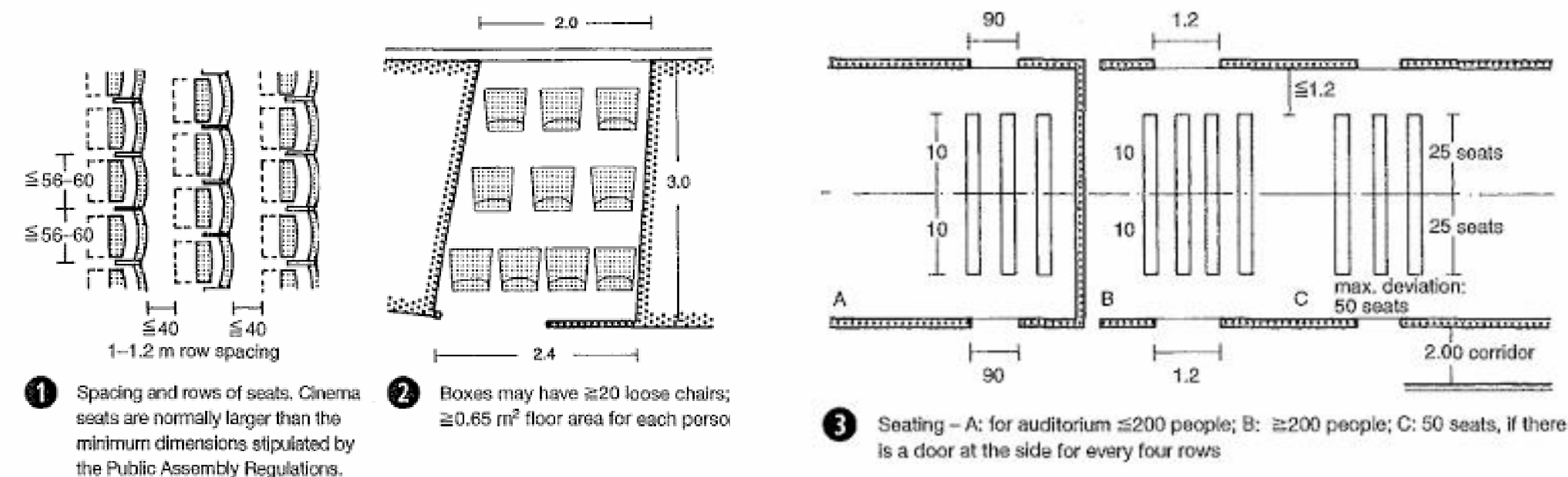
- Distance of the screen from the wall with BTX (-> p. 223) is min. 120 cm; according to cinema size and system this can be reduced to 50 cm on the setting up of the sound system. The screen is perforated (sound-permeable). Retracting blinds or curtains restrict the screen at the sides with the same picture height. Large screens are curved in a radius centred on the back row of seats. The lower edge of the screen should be min. 1.20 m above the floor

Auditorium:

- This should receive no incoming light except for emergency lighting. The walls and ceilings should be of non reflecting material in relatively dark colours. The audience should sit within the outer edge of the screen. The viewing angle from the first row of seats to the centre of the picture should not exceed 30° .

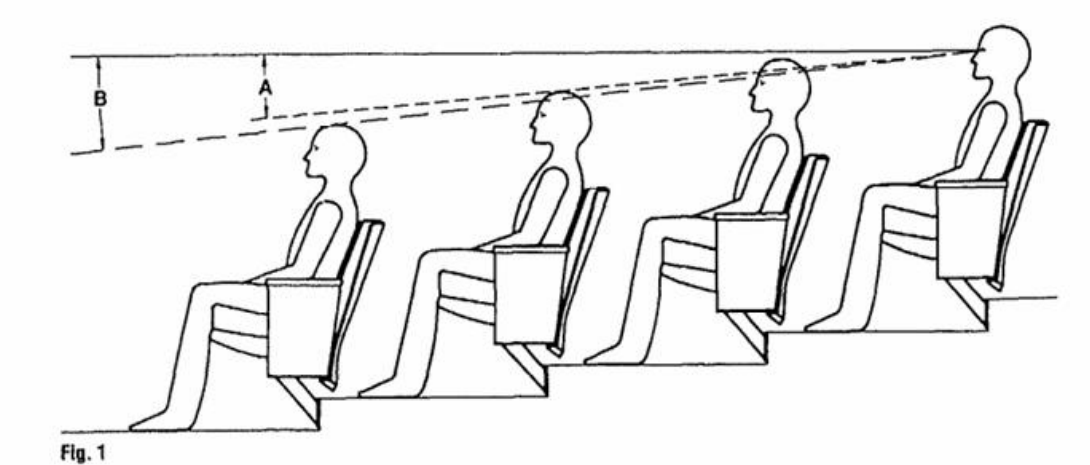
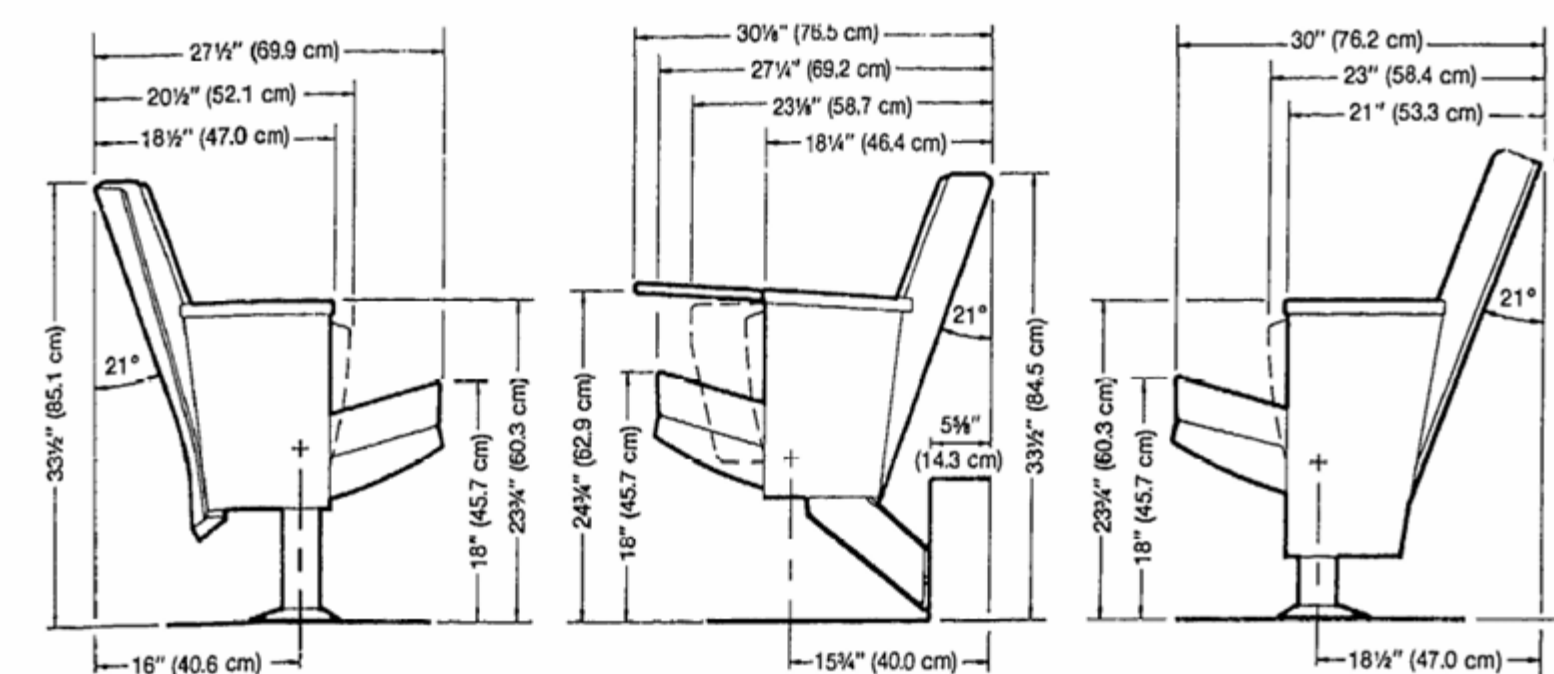
Auditorium Seating:

- Up to a 10% floor gradient is permissible, or else steps with max. 16 cm risers and aisles of 1.20 m width.
- Up to 10 seats may be arranged on each side of each aisle.



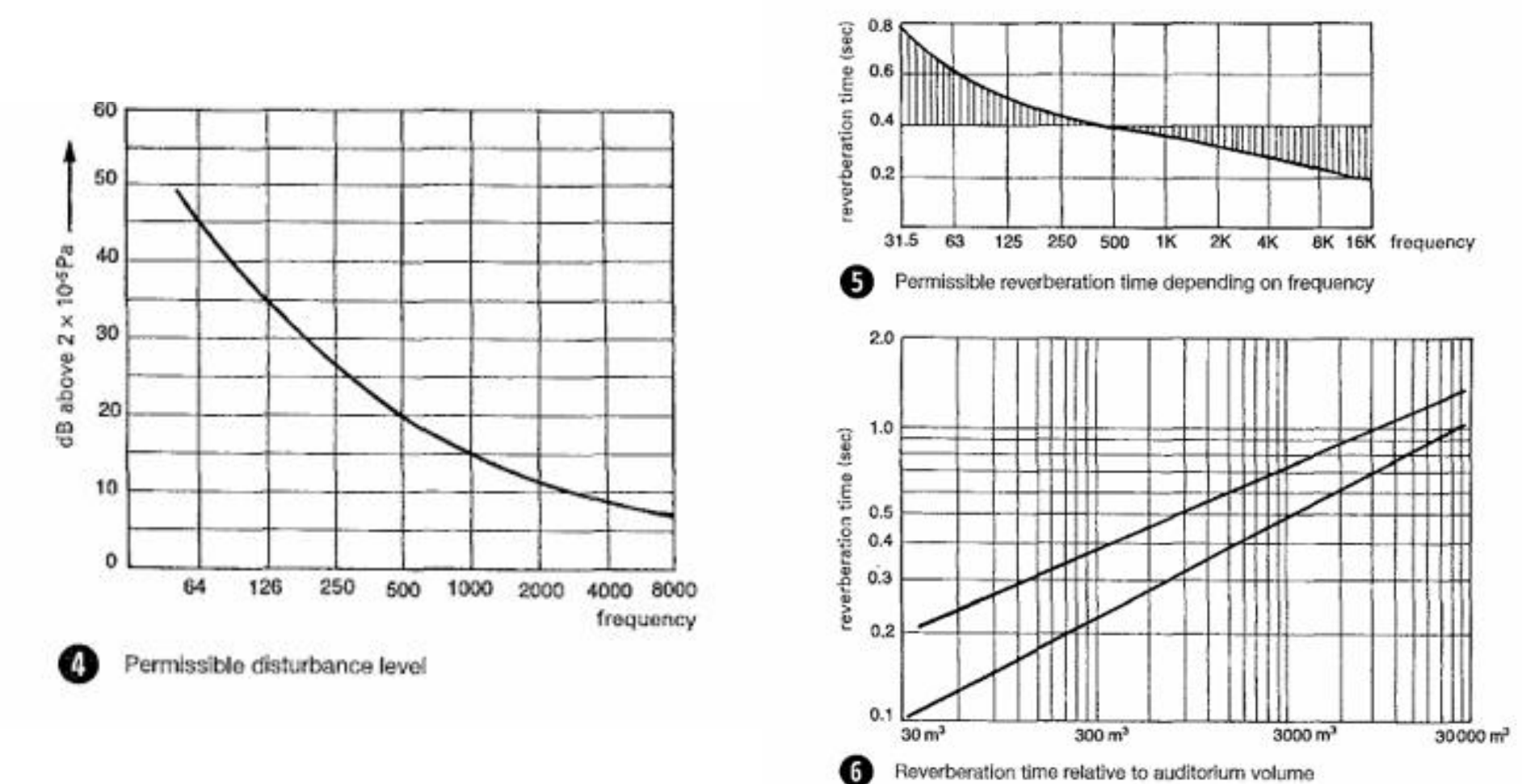
AUDITORIUM SEATING

Chair Dimensions



Acoustics:

- Adjacent auditoriums should be separated by walls of approx. 85 dB 18-20 000 Hz ~ p. 222 0.
- The ceiling should feature sound-directing surfaces with low acoustic delay difference time.
- The reverberation time can increase with growing auditorium volume and reduces from 0.8 to 0.2 s from low to high frequencies. ~ p. 222.
- The rear wall behind the last row of seats should have an insulated surface to prevent echo. Loudspeakers are distributed in the auditorium so that the difference in volume between the front and back rows does not exceed 4 dB.



Sound Reproduction:

- In addition to mono optical sound reproduction, the Dolby stereo optical system with four channels will be required in the future, using three loudspeaker combinations behind the screen and additional speakers at the sides and back.
- For 70 mm film, 6 channel magnetic sound, there are additional speaker combinations behind the screen.
- With BTX, behind the screen there is a sound-absorbing wall (following the Lucas film system), in which the loudspeaker combinations are installed.

Cash desks :

- Predominantly electronic booking and reservation systems: 1 cash desk per 300-400 seats, requiring approx. 5 m².

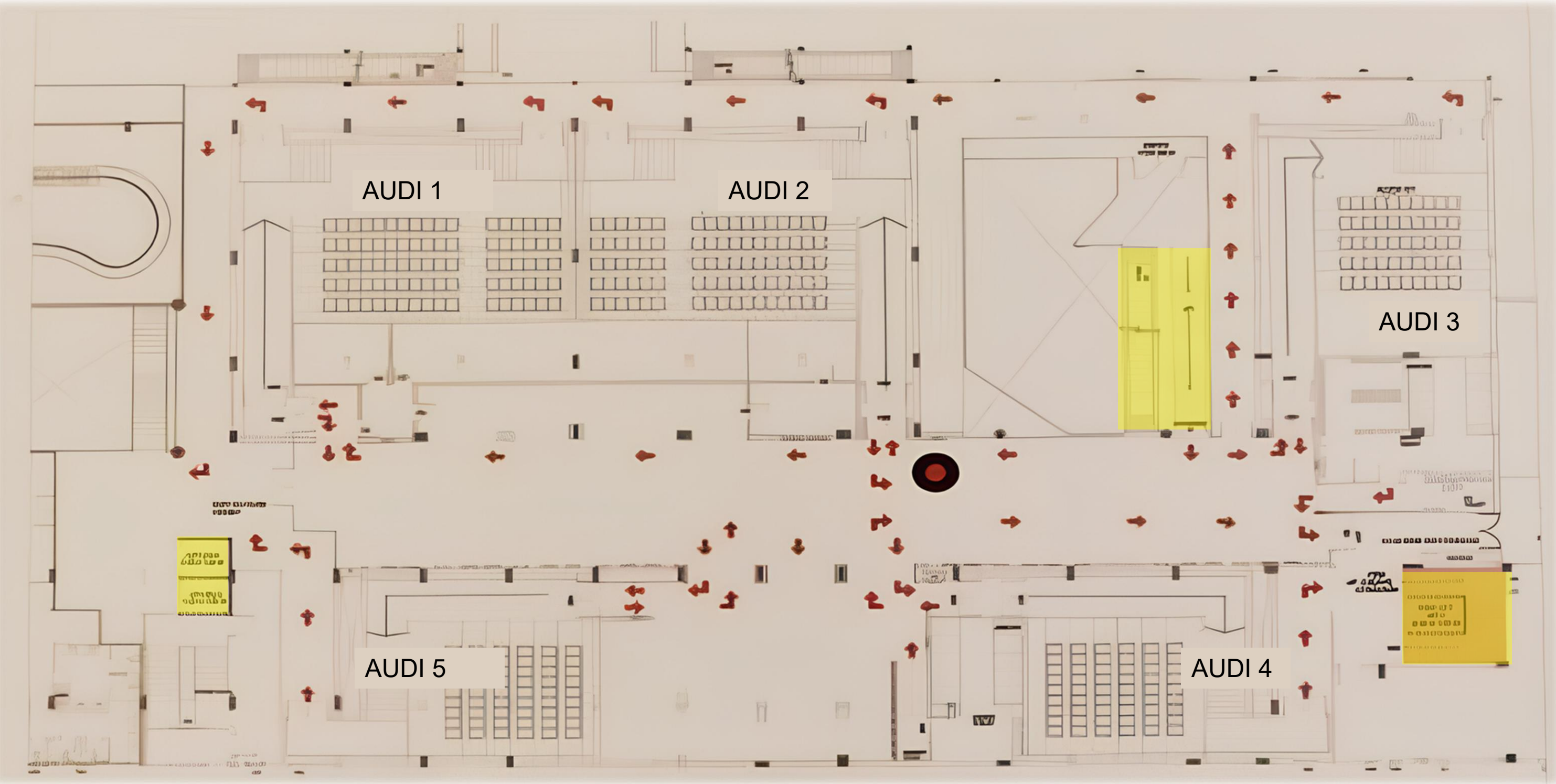
LITERATURE STUDY -01
INOX TAKSH GALAXY,VADODARA

Location:- 2nd Floor, Taksh Galaxy Mall, NH-8, Waghodiya Cross Road – Vadodara.

STAIRCASE & LIFT

CIRCULATION

AUDI No.	Seat Count
AUDI 1	85
AUDI 2	85
AUDI 3	50
AUDI 4	54
AUDI 5	54



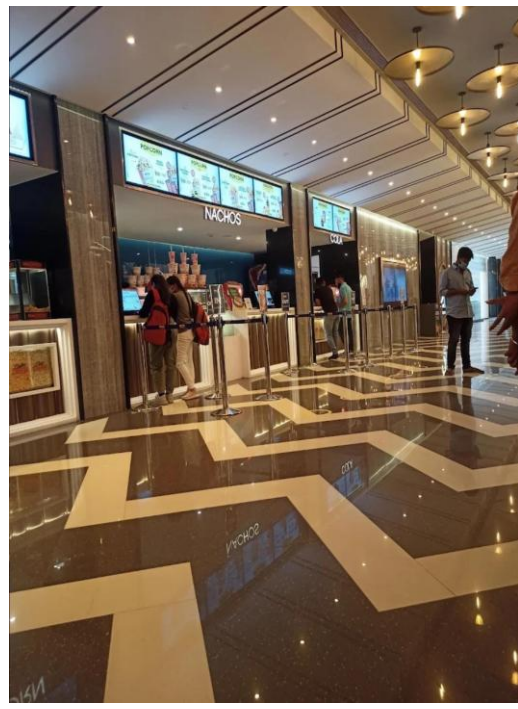
FLOOR PLAN



CORRIDOR



- Towards the quick tix the colours seem to be more warm.
- This lobby may spill out people during peak hours to outside due to insufficient space for a long queue.



- Materials are used like corian on table top of the counters, Vitrified tiles on floor, LED signage of shop names, S.S que manager etc.



- Box office is along with the counter outside the main lobby.
- This space is also meant for people to stand and watch the movie trailers.



- No of screens 5.
- The theatres are of same layout .
- Cinemascope picture.
- Format Dolby atmos 7.1.



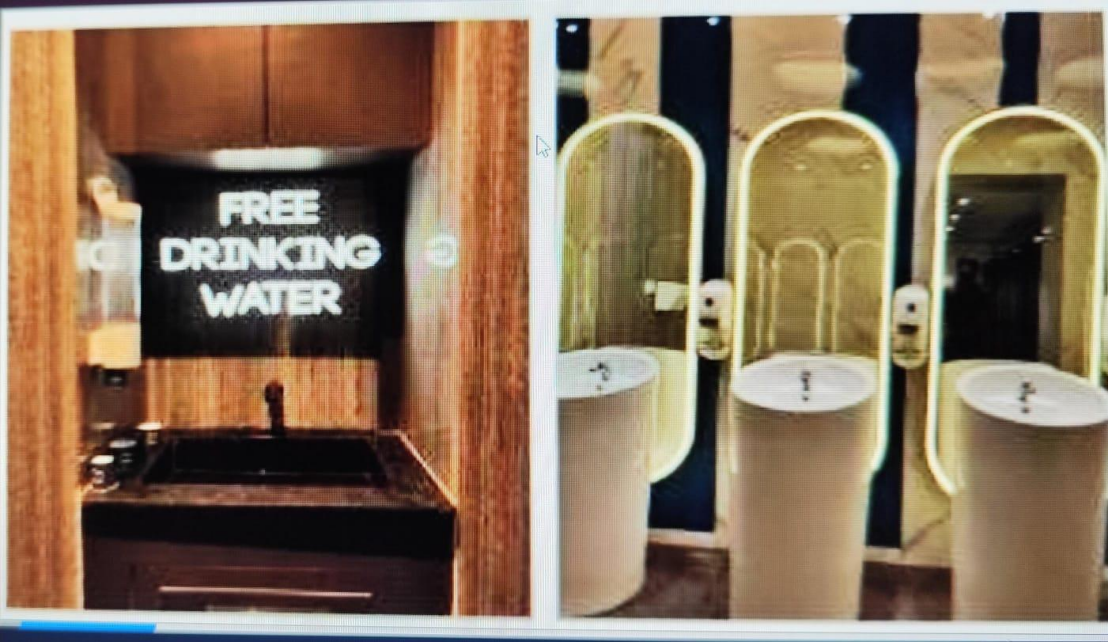
- Back moulded polyurethane seats.
- Customized uphoistered, plywood or perforated polypropylene and glass fibre moulded back which is good for acoustics
- Legs are moulded aluminium epoxy finish for aesthetic improvement as well as cleaning and maintenance.



- There is 1 entry and 2 exits, one exit is used in case of fire.
- LED Strip lights used on side walls.



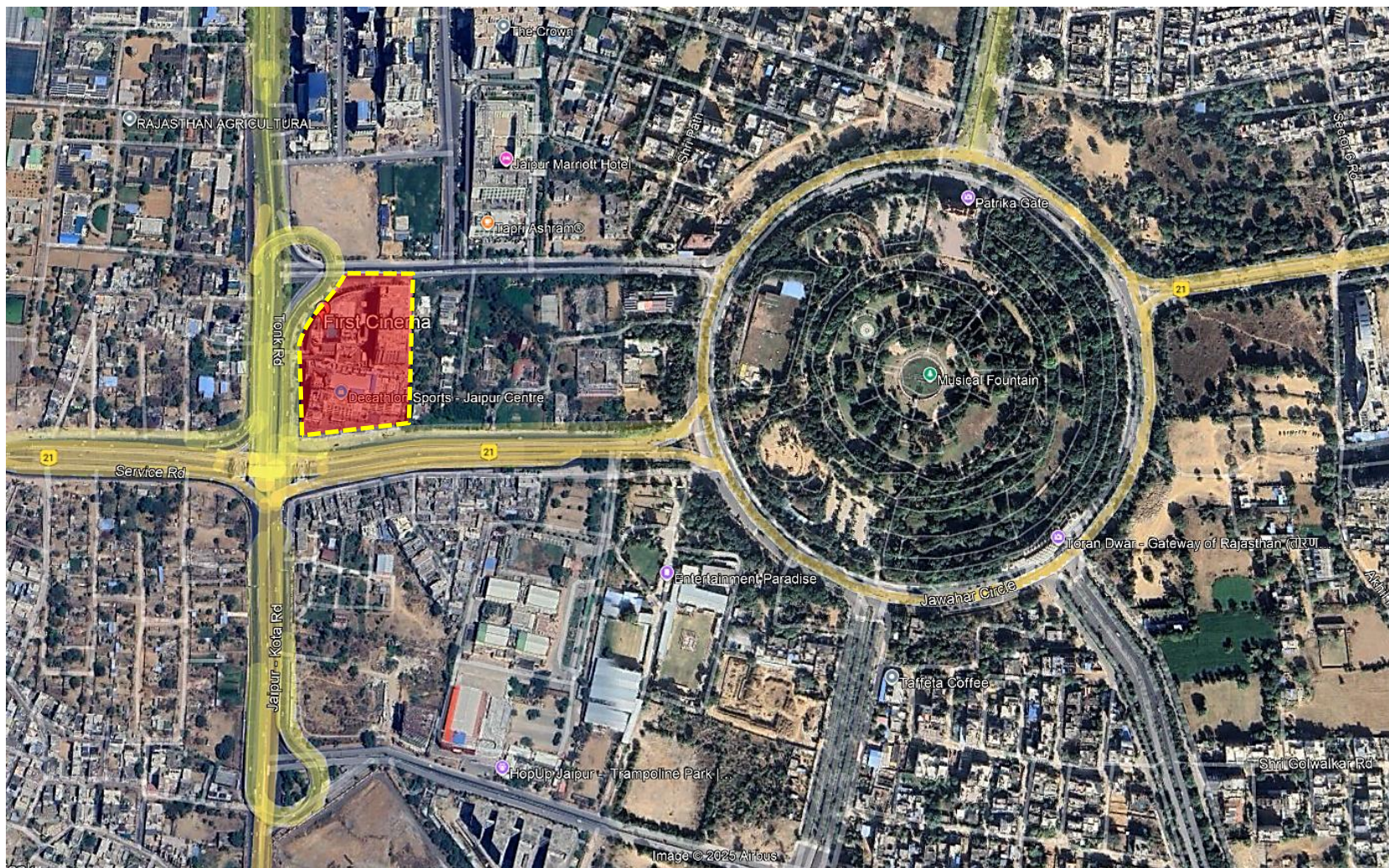
- The waiting lounge is provide only within the theatre lobby.
- This space is meant to entertain and to relax the people with tickets waiting to enter for next show.



- The utilities likes Drinking Water and Toilet Are Provided in the theatre.
- Signage of drinking water is attractive, Signage is made of acrylic LED letters.
- Toilet having good aesthetics, LED mirrors are good aesthetic feature in toilet, walls of the toilet are fully covered with vitrified tiles.

LITERATURE STUDY -02
FIRST CINEMA, JAIPUR

Location:- Jaipur Cityplex mall , Tonk road, Durgapura, Jaipur.



CONNECTIVITY

- First cinema multiplex have two Auditorium.Multiplex are located at third & fourth floor.They can be reacted through escalators, lifts and staircase.All multiplexes connected with a common corridor.A common lobby has been provided for both multiplexes.

	SIZE	AREA	CAPACITY	PER PERSON AREA
AUDI 1	18M X 30M	548 sqm.	392	1.4
AUDI 2	14M X 21M	293 sqm	209	1.4

CIRCULATION:

- 1 lifts, 1 staircases and there is no escalators3m wide corridors attach with kiosks.
- 2 m wide staircase.

Inferences:

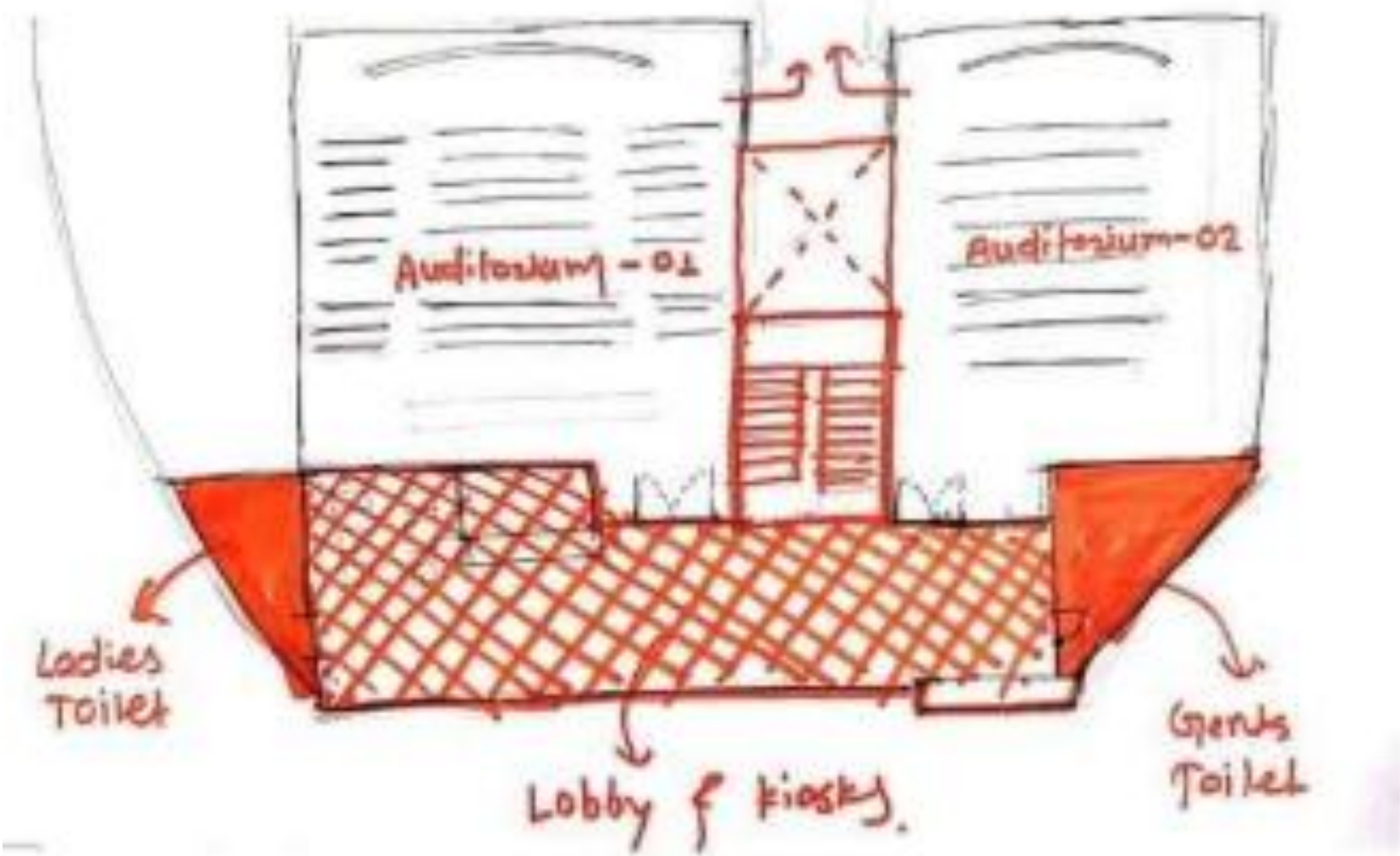
- 2 theatres, 1 common lobby for theatres.Any place for mass gathering requires a temporary buffer zones so as to avoid any sort of rampage or confusion.
- No immediate requirement but still a strong crowd puller.Big enough to accommodate a substantial amount of crowd.

TOILETS

- No toilets are provided for specially abled people.
- Entrances and exits have been adjusted according to the levels.This has been done to adjust the flow of traffic during peak hours.



PROVIDED	MALE	FEMALE
WC	5	9
WASHBASIN	3	3
URINALS	9	-



AUDITORIUM ENTRANCE

- Space provided in front of box office is approx 2m, which is not enough to control crowd.Box office has two ticket windows.
- Corridor space next to box office is use for showcase of movie poster.
- There is no dedicated space provide for security check, so the passage between hall is being used as security check.



CORRIDOR



FOOD KIOSK AREA

CONCEPT , INTERIOR STYLE & THEME

CONCEPT: FUTURISTIC EXPERIENCE

A cutting-edge multiplex cinema design that blends sleek architecture, immersive lighting, and smart technology to create a next-generation movie environment. The space feels dynamic, modern, and transformative — offering users a cinematic journey beyond the ordinary through fluid forms, interactive elements, and a tech-forward aesthetic. The design aims to evoke the feeling of stepping into a futuristic world, where every surface, color, and experience is curated to stimulate curiosity, engagement, and excitement.

- Immersive environment: Use of LED lighting, ambient projections, and digital walls to transform spaces.
- Tech integration: Self-service kiosks, AR/VR zones, interactive digital signage, smart ticketing systems.
- Floating architecture: Curved, suspended forms and pod-like structures that feel weightless.
- Fluid circulation: Design spaces that guide users intuitively using light, floor patterns, and spatial zoning.
- Light as design: Use programmable lighting to change the mood based on time, movie genre, or events.

INTERIOR STYLE : MODERN

Modern interior design in cinemas focuses on creating sleek, functional, and comfortable environments that enhance the movie-going experience.

- Clean Lines and Minimalism: Utilizing simple, uncluttered layouts with minimal decorative elements to maintain a streamlined aesthetic.
- Neutral Color Palettes: Employing shades like gray, black, and white to establish a sophisticated atmosphere, often complemented by subtle accent colors for visual interest.
- Innovative Lighting: Incorporating LED and ambient lighting to guide patrons and create an immersive environment, while also highlighting architectural features.
- Functional Layouts: Designing spaces that facilitate smooth traffic flow and accessibility, ensuring ease of movement for all visitors.
- Acoustic Considerations: Integrating sound-absorbing materials and strategic design to enhance audio quality within auditoriums.

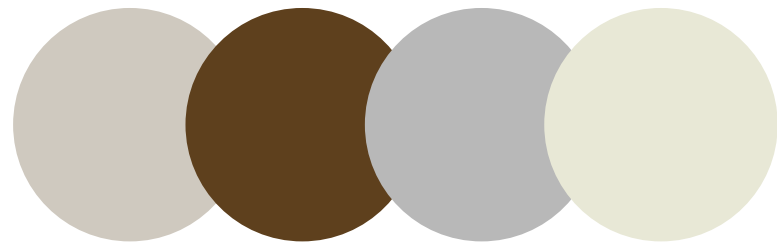
INTERIOR THEME : MODERN LUXE

Modern Luxe interior design seamlessly blends the clean lines and simplicity of modern aesthetics with the opulence and sophistication of luxury elements. This style emphasizes minimalist layouts adorned with high-quality materials, rich textures, and refined finishes, creating spaces that are both functional and elegant.

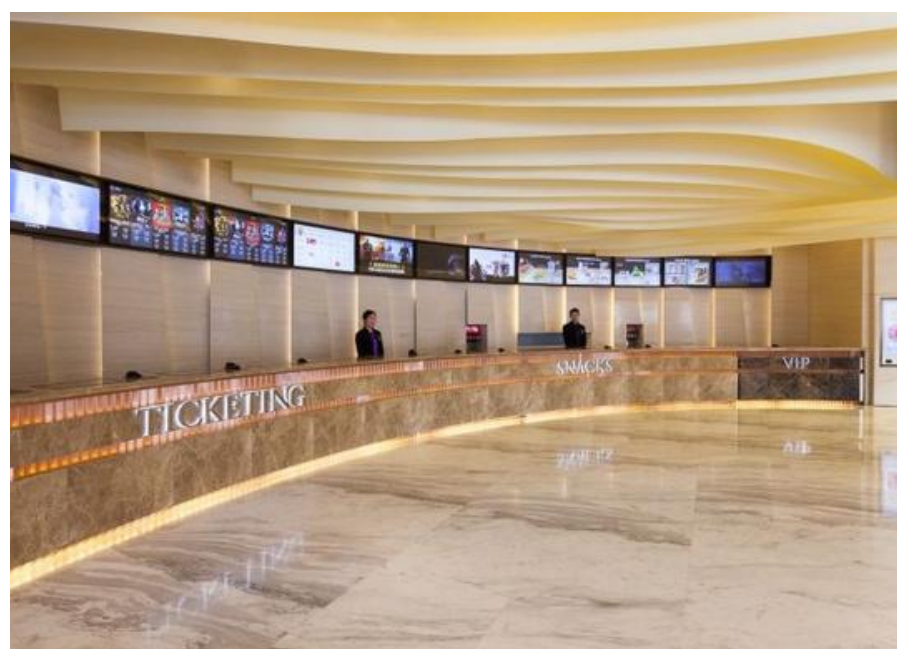
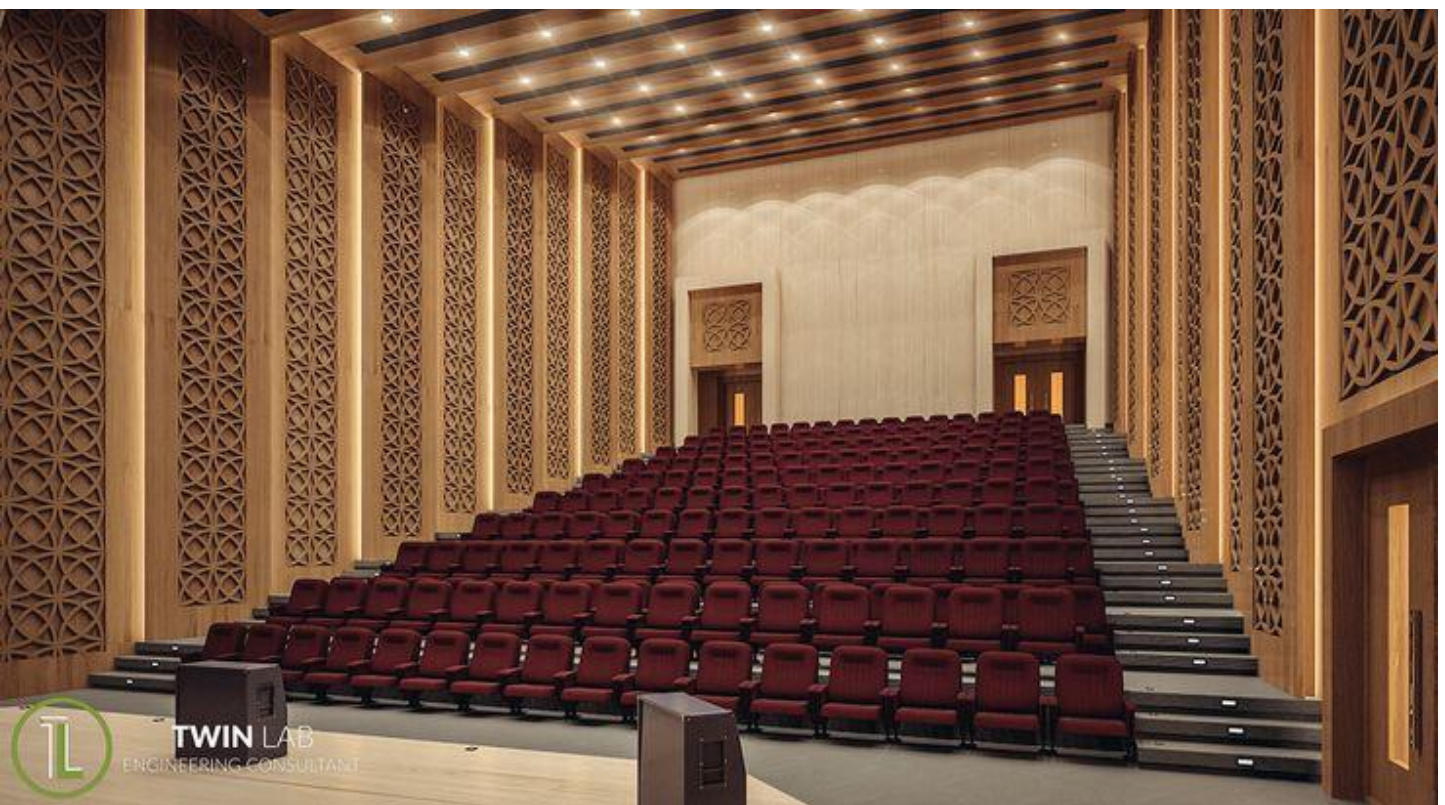
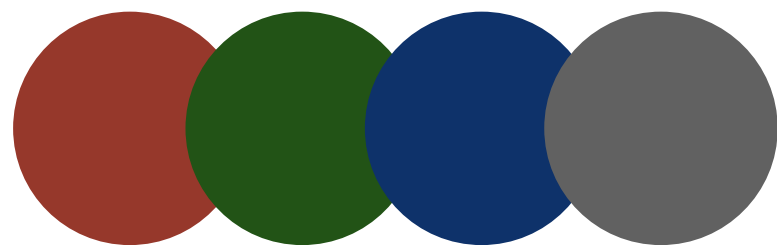
- Minimalist Elegance: Uncluttered spaces with a focus on simplicity, allowing each design element to stand out.
- High-Quality Materials: Use of premium materials such as marble, brass, natural stone, and rich textiles to add sophistication and depth.
- Neutral Color Palette: Predominantly neutral tones like whites, blacks, and grays, often accented with bold colors to create visual interest.
- Luxurious Textures: Incorporation of plush fabrics like velvet and silk, along with polished metals, to enhance the tactile experience.
- Statement Pieces: Inclusion of standout furniture or art pieces that serve as focal points, adding character and a personalized touch to the space.

COLOR SCHEME

- Base Colors: Shades of gray, beige, or taupe for walls and flooring create a neutral and calming environment.

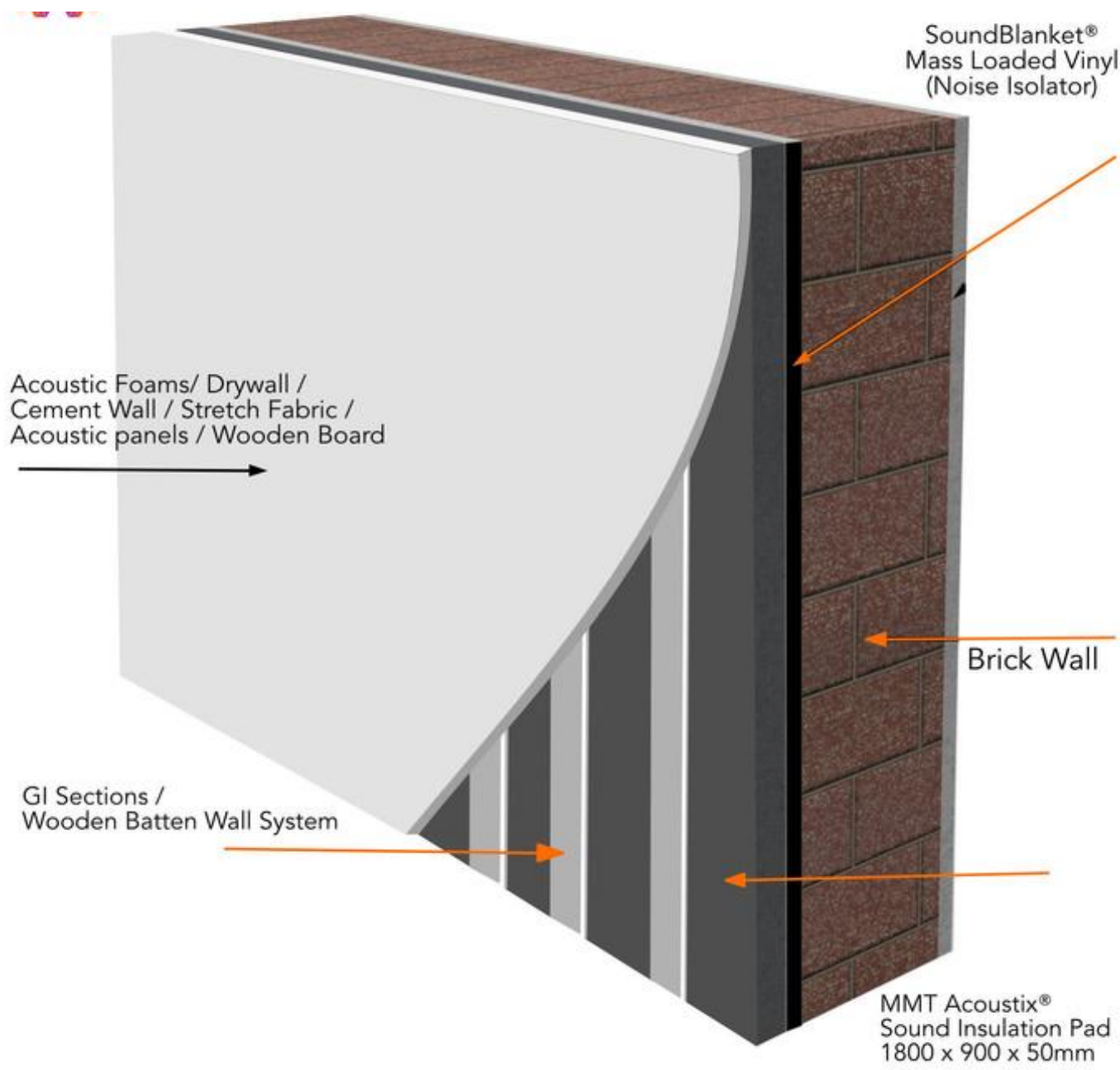
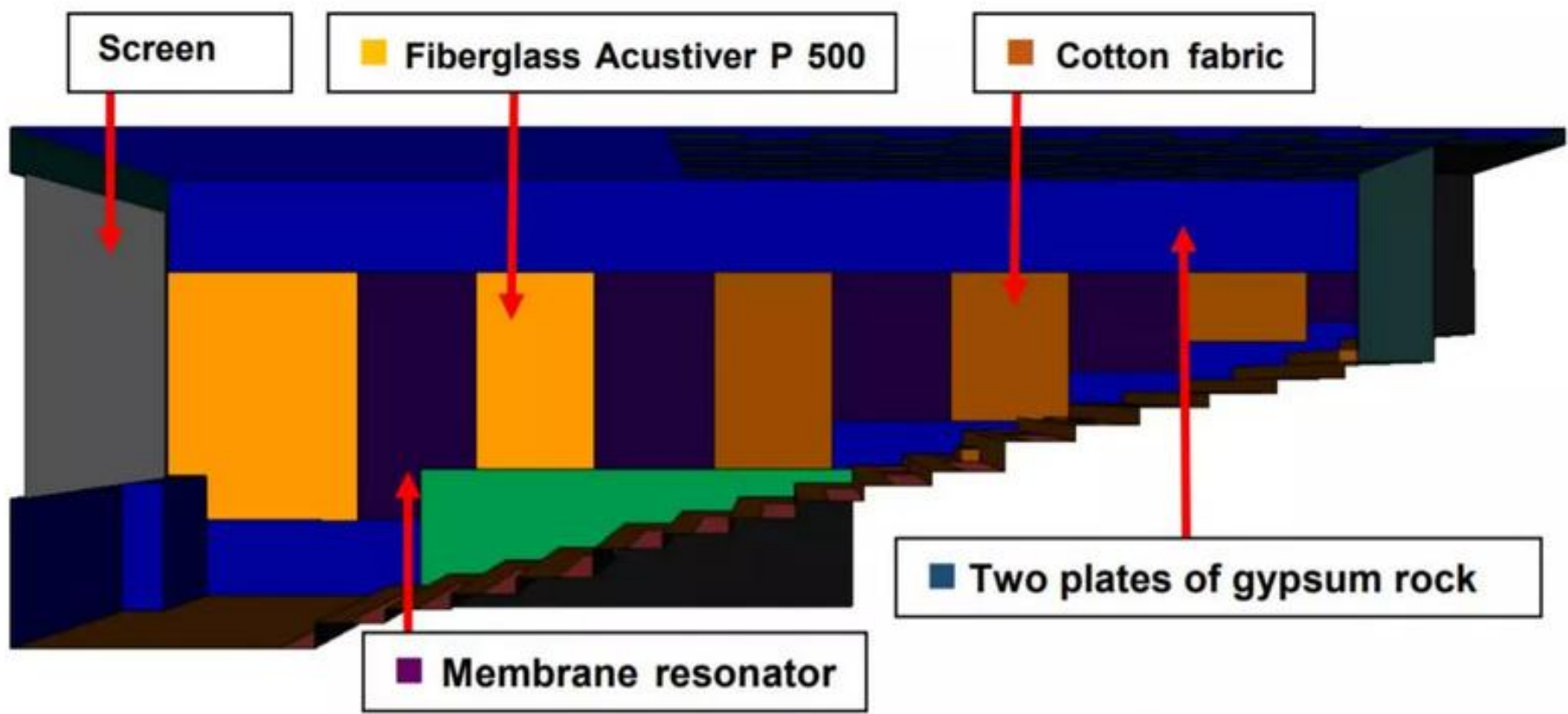


- Accent Colors: Deep reds, navy blues, or emerald greens can be introduced through seating, curtains, or decorative elements to add vibrancy and focus.

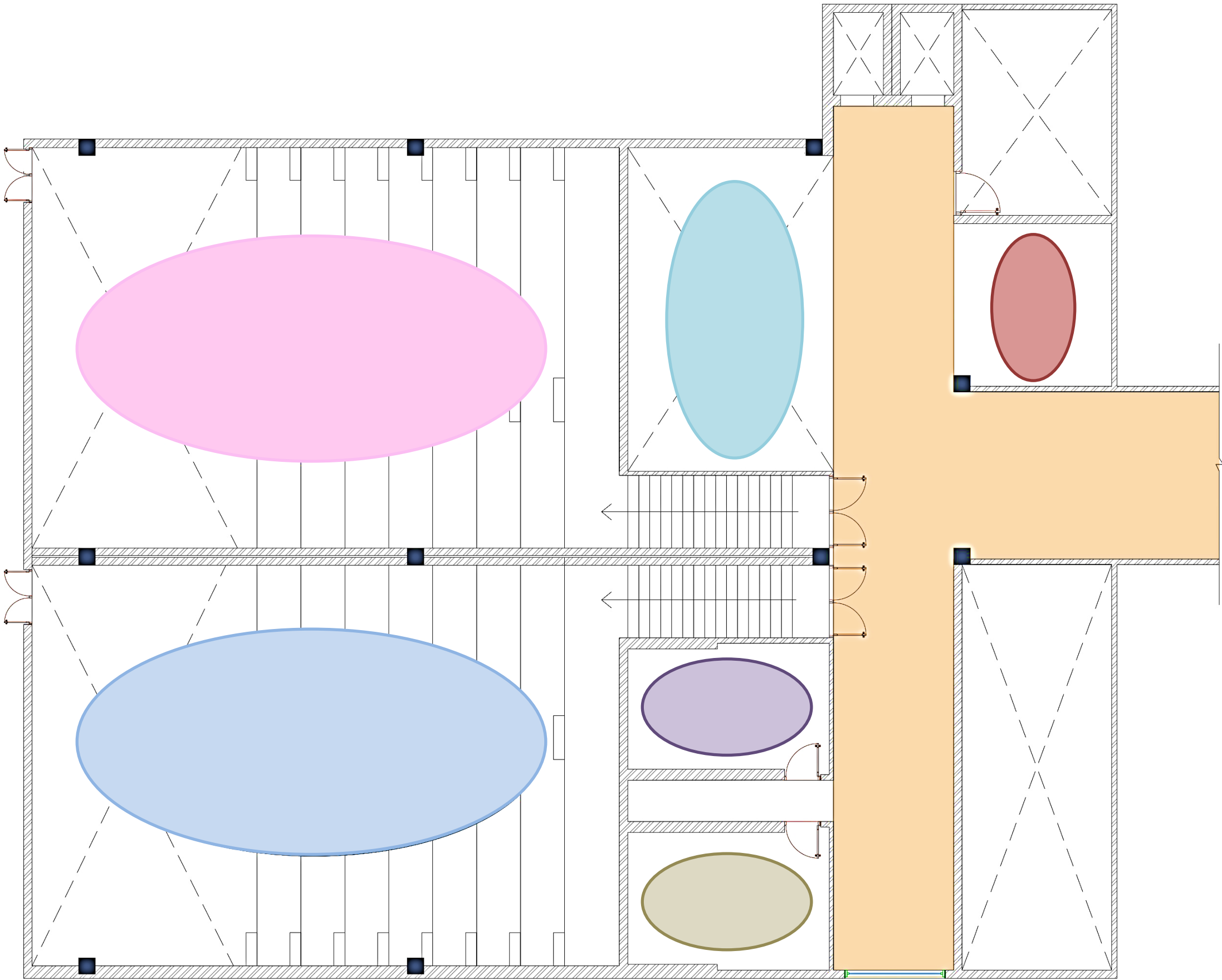


ACOUSTIC TREATMENT

- Acoustic Panels: Absorb sound reflections to reduce echoes and reverberation.
- Bass Traps: Target low-frequency sounds to prevent bass buildup.
- Mass Loaded Vinyl (MLV): Acts as a sound barrier to block noise transmission through walls and ceilings.
- Acoustic Curtains: Heavy fabrics that absorb sound and cover reflective surfaces.
- Floating Floors: Decouple the floor from the building structure to minimize vibration transmission.
- Acoustic Ceilings: Utilize specialized ceiling panels to absorb sound and minimize reflections.
- Acoustic Diffusers: Scatter sound waves to create a more uniform and natural sound environment.



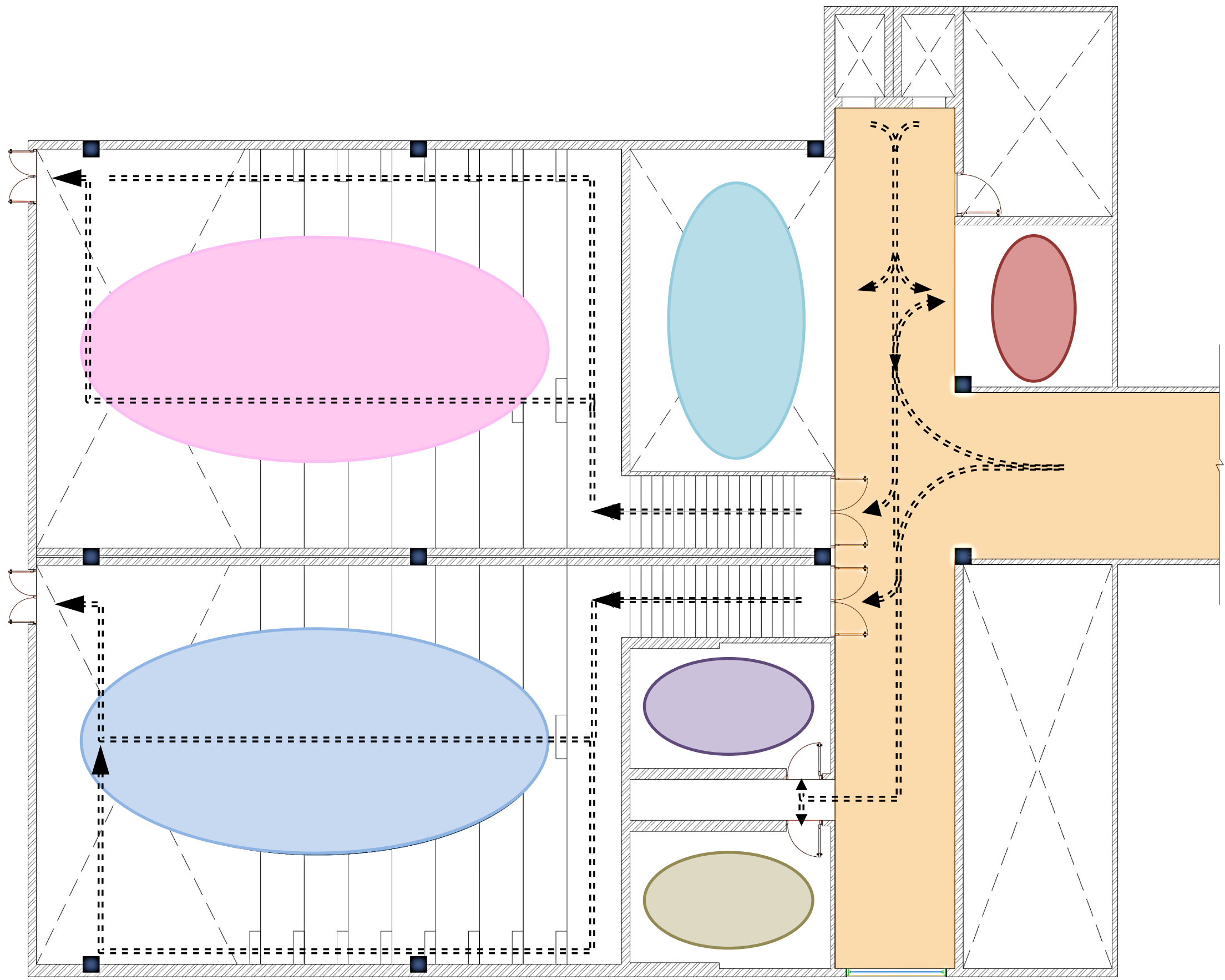
ZONING



AREA
AUDI 1 -1700 SQFT
AUDI 2- 1700 SQFT
FOOD COURT- 430 SQFT
LOBBY-940 SQFT
RESTROOMS - 430 SQFT

- AUDI 1
- AUDI 2
- FOOD COURT
- FEMALE RESTROOMS
- MALE RESTROOMS
- LOBBY
- TICKET COUNTER

CIRCULATION

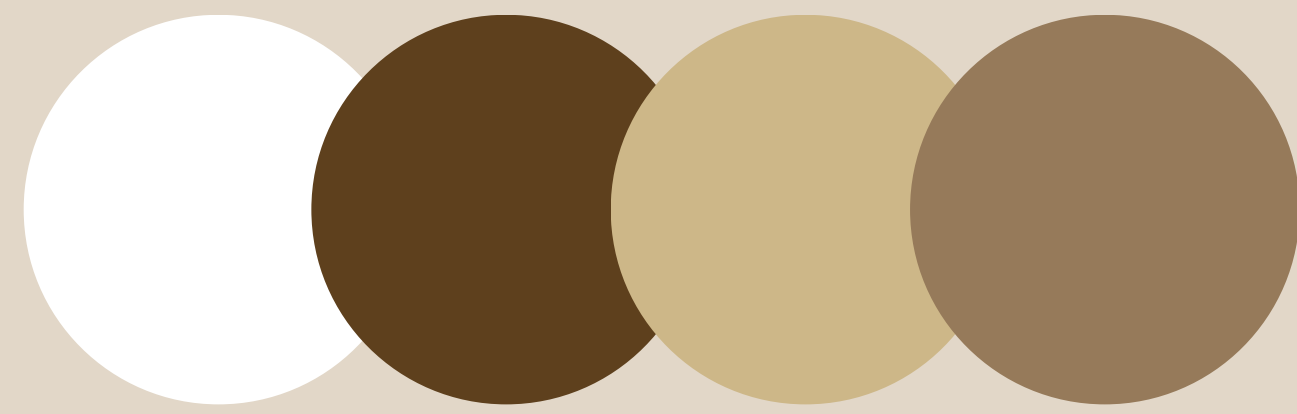


COMPARATIVE ANALYSIS

Category	Site Analysis (Omaxe, Lucknow)	Case Study (PVR Lulu Mall)	Standards	Literature Study 01 (INOX Vadodara)	Literature Study 02 (First Cinema, Jaipur)
Location	Gomti Nagar Ext., Lucknow	Sushant Golf City, Lucknow	—	NH-8, Vadodara	Tonk Road, Jaipur
Site Area	5000 sqft	20,000 sqft	—	10000sqft	7000sqft
Connectivity	Good via road, rail, air	Excellent (road, metro, airport)	—	Good	Adequate
Screens	2	11 (PXL, 4DX, Luxe)	Various projection types	5	2
Auditorium Design	Recliners, classic, luxury comfort	Recliners, 4DX motion seats, Luxe comfort	Viewing angles, screen sizes, acoustics	ergonomic design	High capacity audis
Seating Capacity	104 seats per audi	11 audis, varying seat capacities	Max. 10 seats per row per aisle	Audi 01-85 Total 328	Audi 01-392 Audi 02- 209
Materials Used	Profile lights, velvet fabric , acoustic panels, marble, metal	Leather/fabric recliners, acoustic panels, marble, brass	Sound insulation, absorbent materials	Polyurethane, glass fiber, vitrified tiles,veneer	Marble, LED signage, wooden panel
Interiors & Ambiance	Modern luxe, high-end	Luxury theme, warm tones, modern lighting	Non-reflective surfaces, controlled lighting	Warm tones, limited waiting space	Basic interiors, inadequate ticket zone

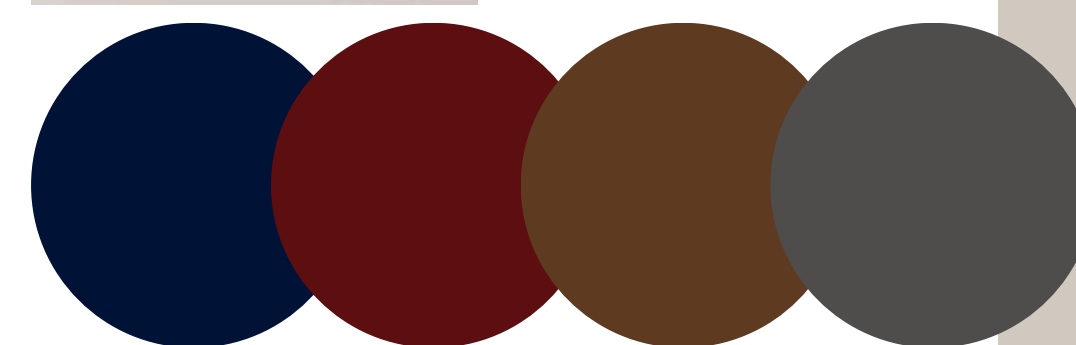
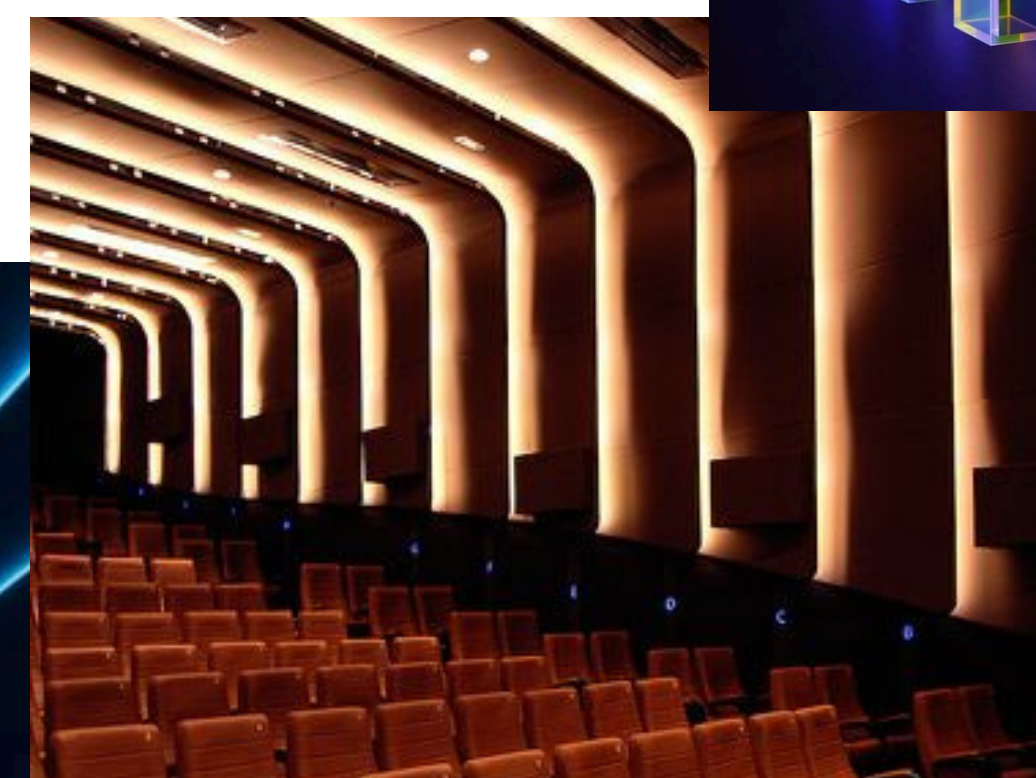
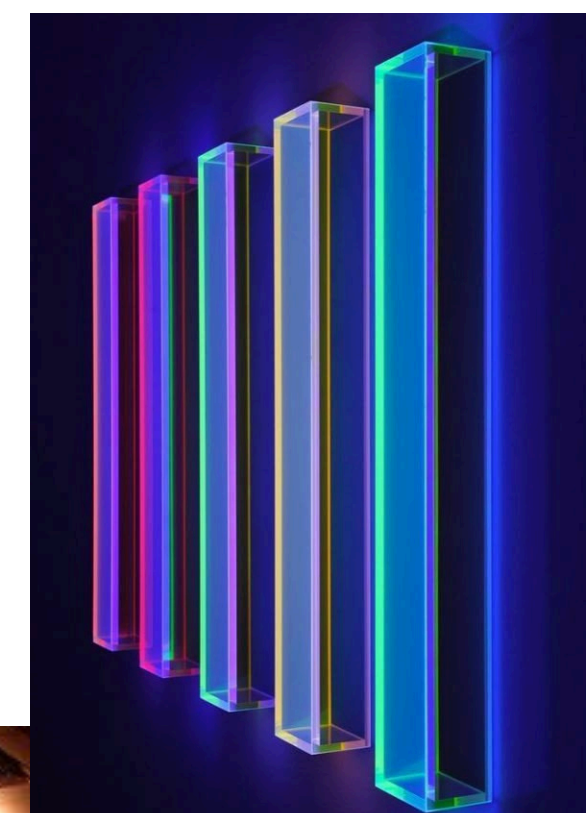
Category	Site Analysis (Omaxe, Lucknow)	Case Study (PVR Lulu Mall)	Standards	Literature Study 01 (INOX Vadodara)	Literature Study 02 (First Cinema, Jaipur)
Lobby & Waiting Area	Basic provision, digital kiosks,box office	Grand entrance, digital kiosks, food court	Emergency light , materials	Small lounge, may overflow	Common lobby for both screens
Toilets & Utilities	Restrooms included	Accessible restrooms, good aesthetics	Proper acoustic separation	Included-LED mirrors, aesthetic design	Restrooms included
Circulation & Layout	Efficiently zoned	Efficiently zoned with VIP & control rooms	Max. 10% slope or stepped, 1.2m aisle	Lobby may overflow	Limited space
Projection & Acoustics	High-end projection, Sound proofing	High-end projection, soundproofing	Dolby stereo, acoustics, projection angles	Dolby Atmos 7.1, good acoustics	Good acoustic treatment
Special Features	Materials and lighting, futuristic approach	PVR Café, 4DX, Luxe, digital menus	Loudspeaker placement, reverberation control	Waiting lounge, LED signage	High capacity audis
Standards Compliance	Compliant design	Likely high	Detailed (screen distance, seating, sound)	Compliant design	Partially compliant design

RESTROOM

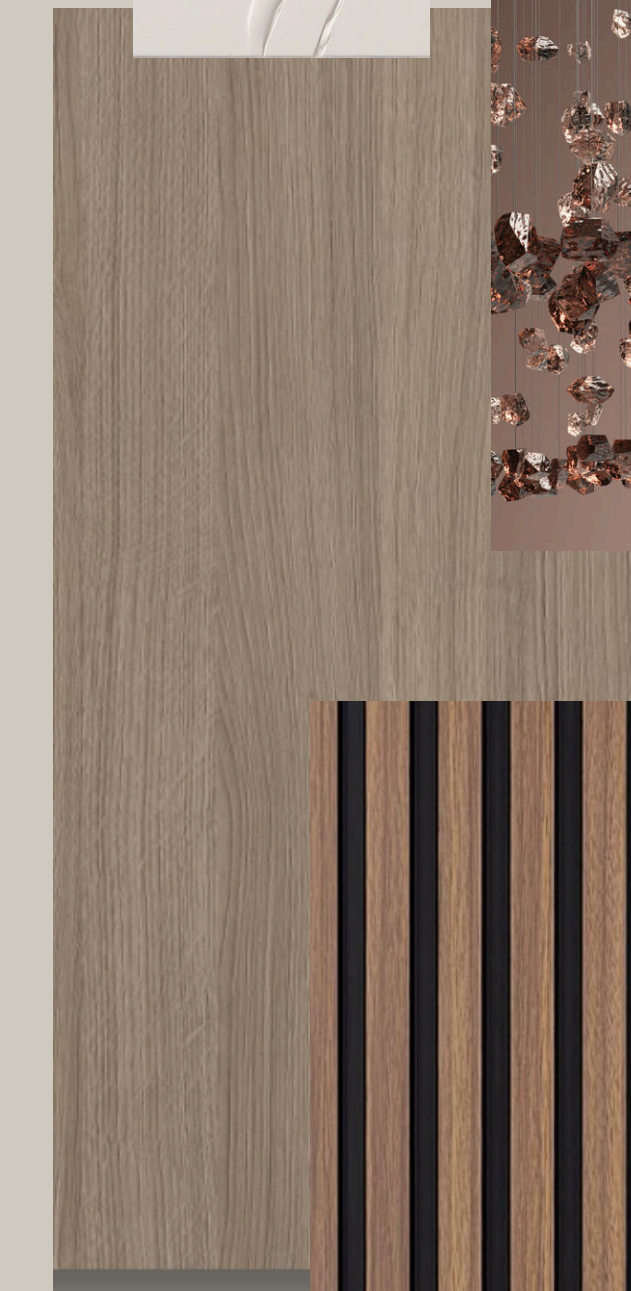
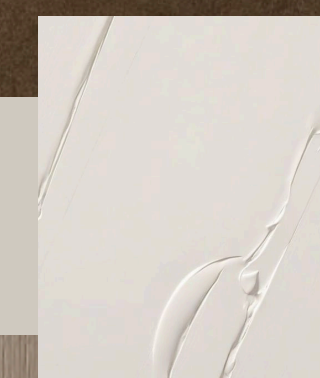
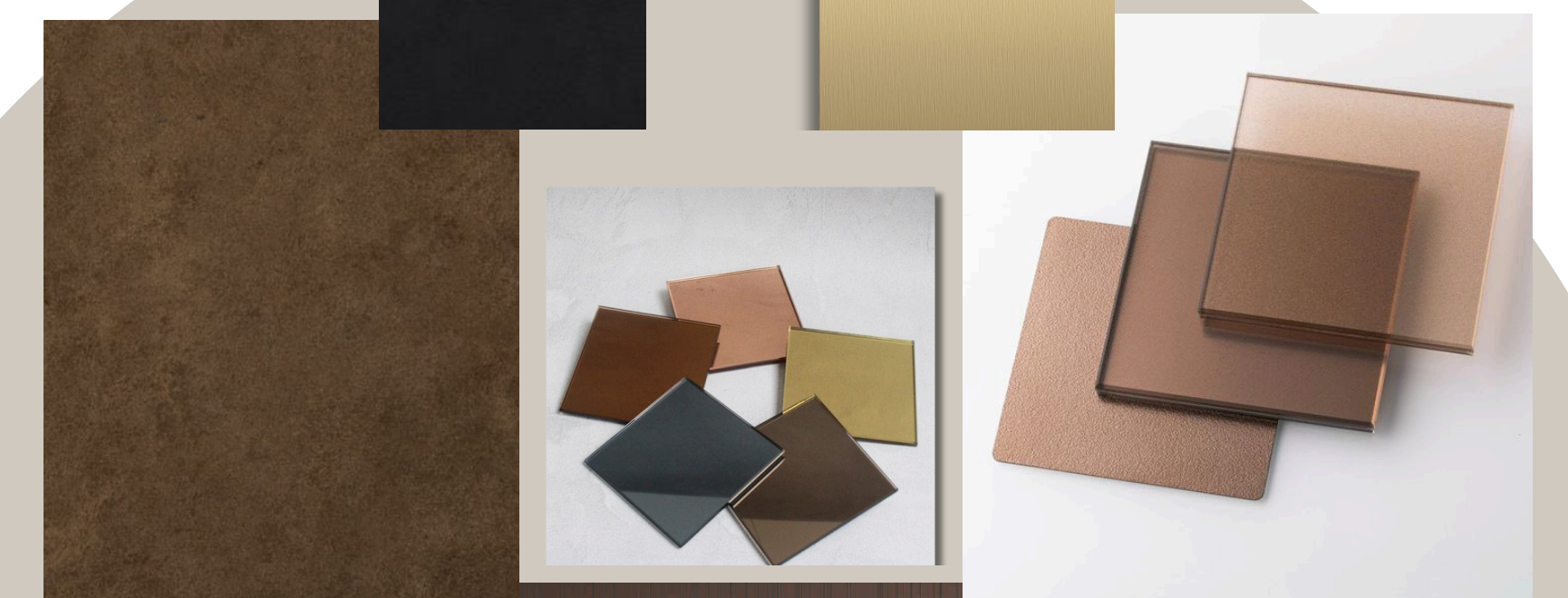
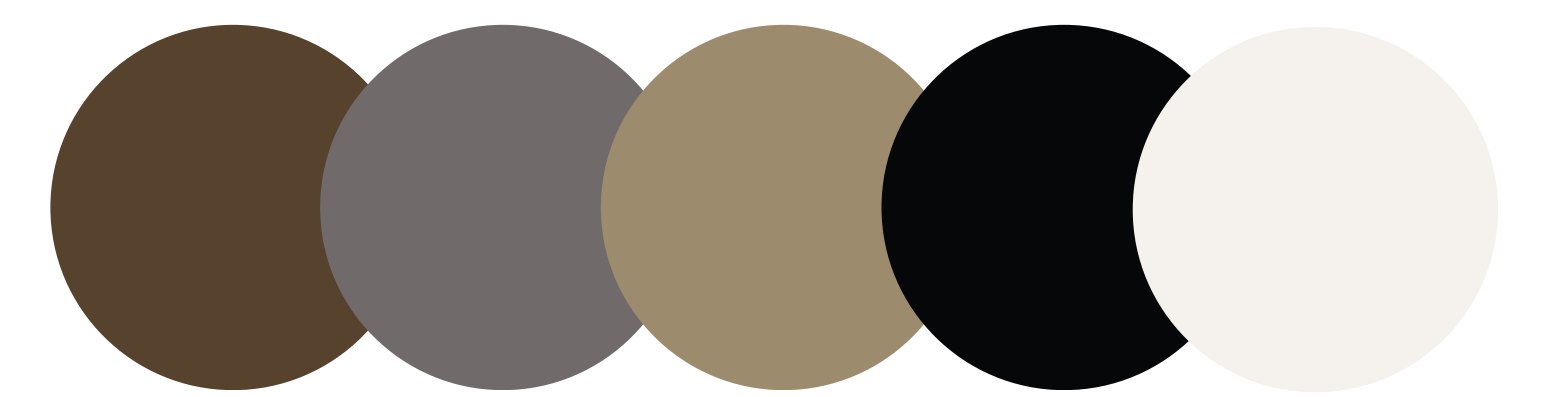


AUDI

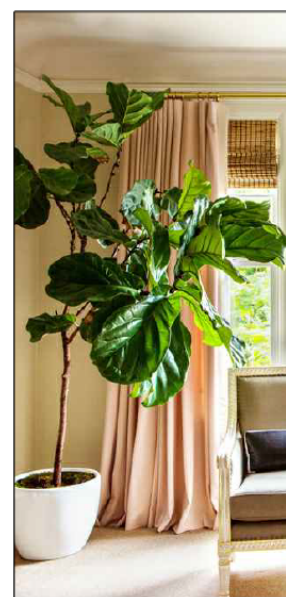
MOOD BOARD



BOX OFFICE



INTERIOSCAPE



- Areca Palm
- Scientific Name: *Dypsis lutescens*
 - Height: 5-8 ft
 - Properties: Feathered fronds, grows in clumps
 - Benefits: Air-purifying, tropical feel, softens large spaces



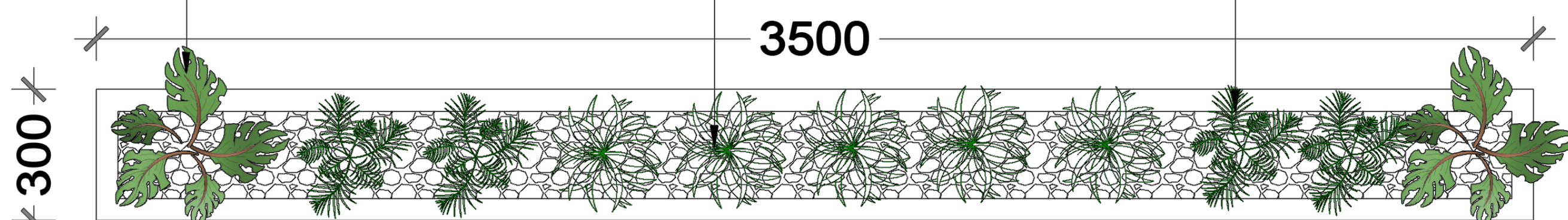
- Fiddle Leaf Fig
- Scientific Name: *Ficus lyrata*
 - Height: 4-10 ft
 - Properties: Bold, violin-shaped leaves, upright growth
 - Benefits: Striking visual focus, adds elegance and height



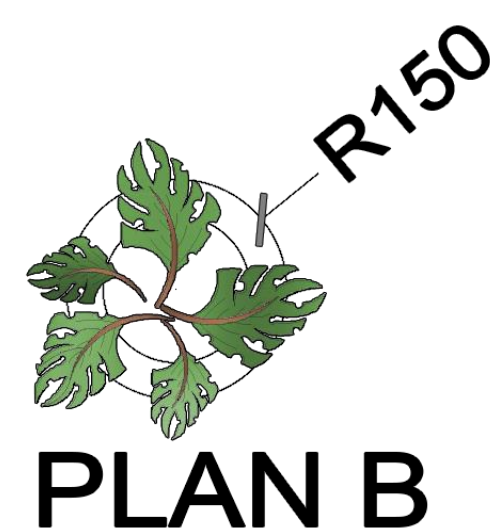
- Kentia Palm
- Scientific Name: *Howea forsteriana*
 - Height: 5-12 ft
 - Properties: Graceful fronds, shade-tolerant, slow-growing
 - Benefits: Great for AC spaces, adds calm, vertical accent



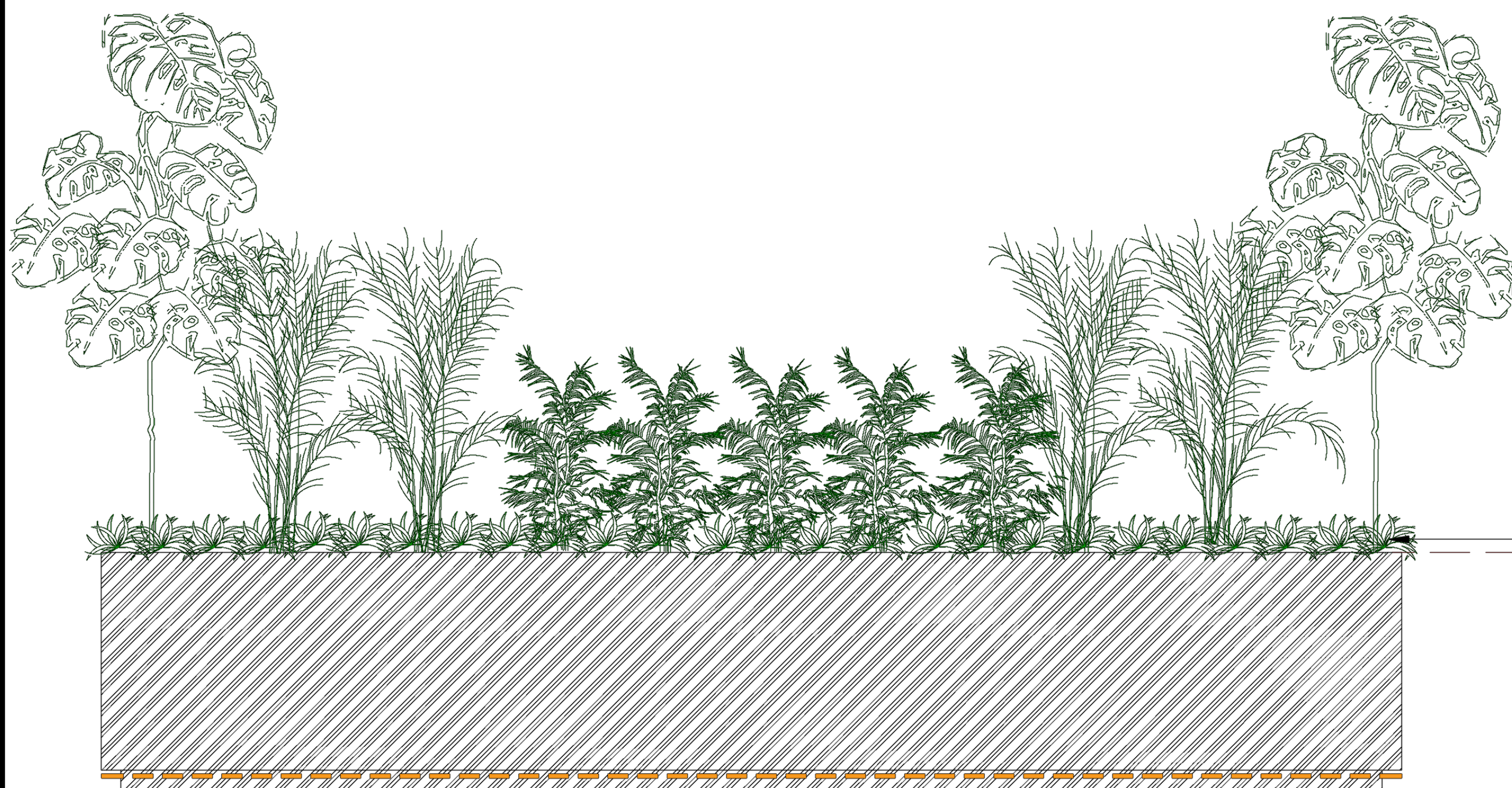
- Dwarf Mondo Grass
- Scientific Name: *Ophiopogon japonicus 'Nana'*
 - Height: 8-15 cm
 - Properties: Dense, fine-bladed grass; slow-growing; evergreen
 - Benefits:
 - Clean, modern look
 - Great for edging and underplanting tall plants
 - Low maintenance and thrives in indirect light
 - Adds lush green carpet effect to planters



PLAN A



PLAN B



ELEVATION



ELEVATION

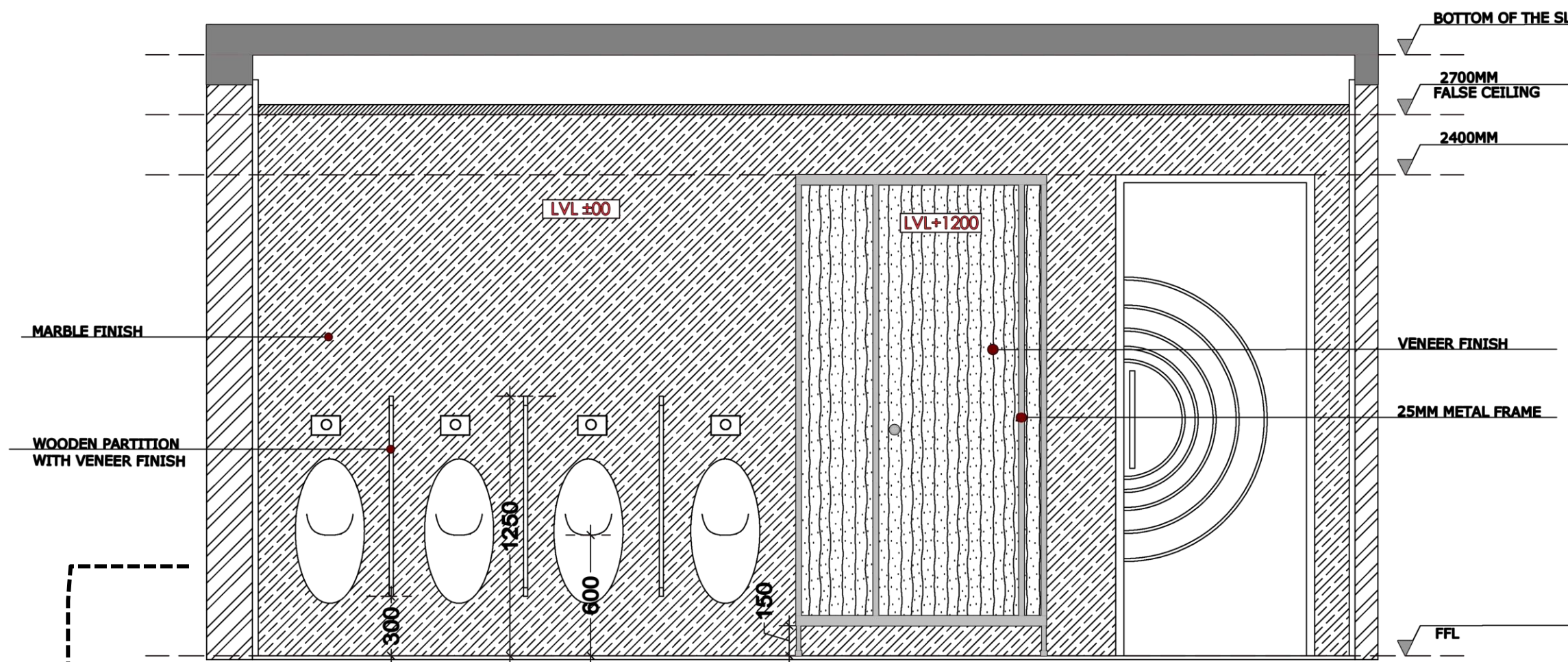


REFERENCES

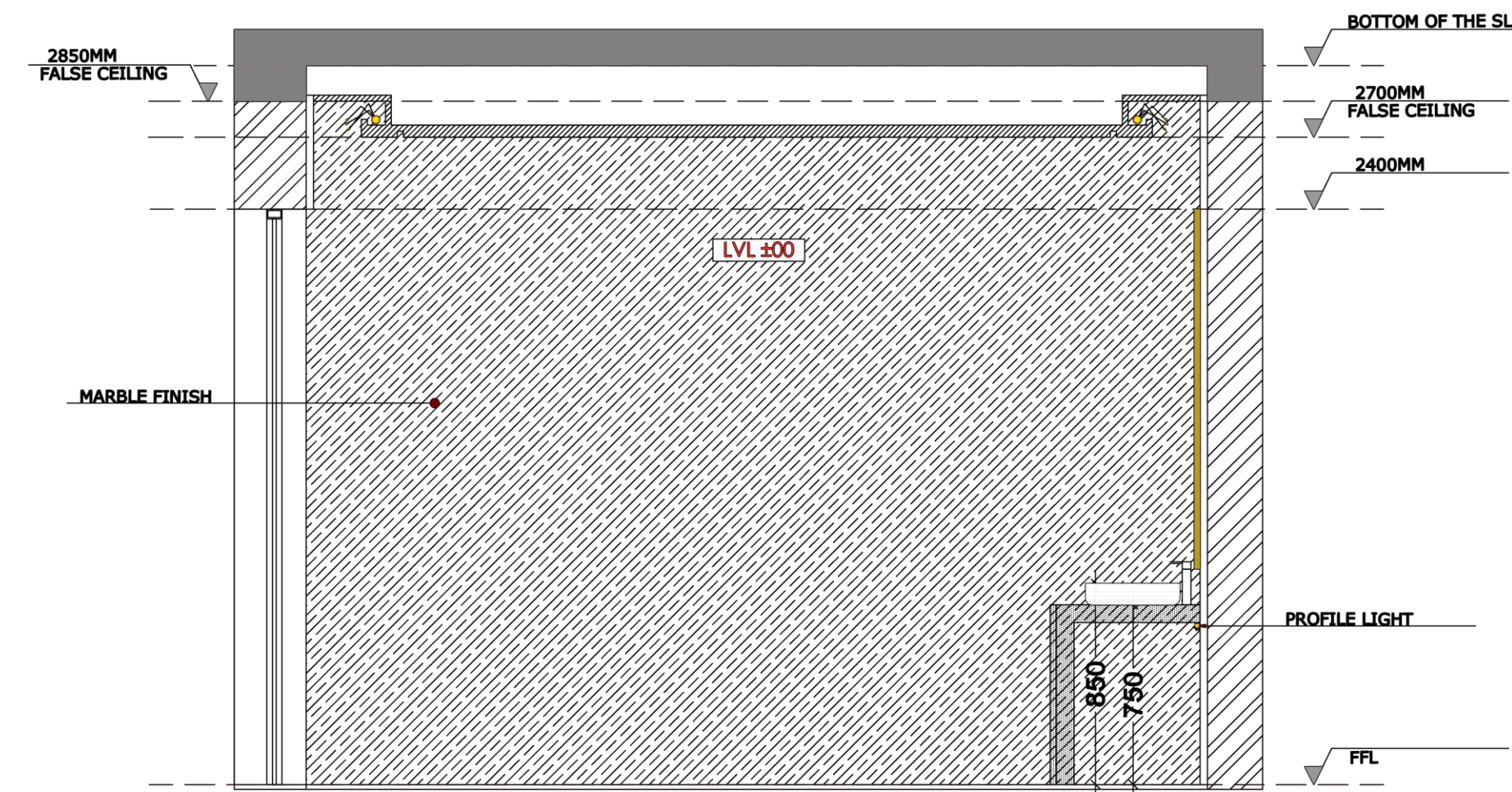
LEGEND

S.NO	SYMBOL	DESCRIPTION
1		Areca Palm
2		Kentia Palm
3		Fiddle Leaf Fig
4		Dwarf Mondo Grass

MALE RESTROOM



ELEVATION A



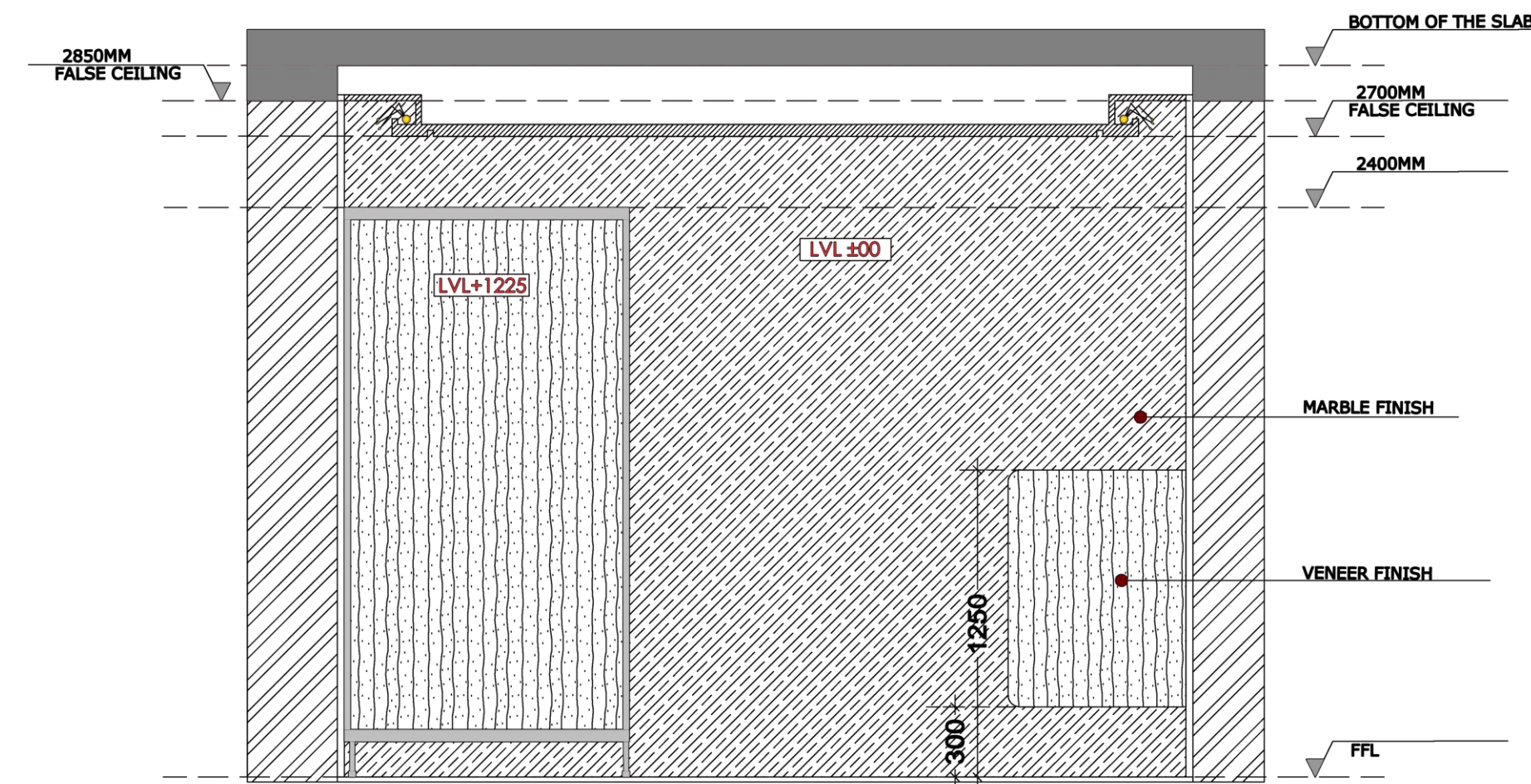
ELEVATION B



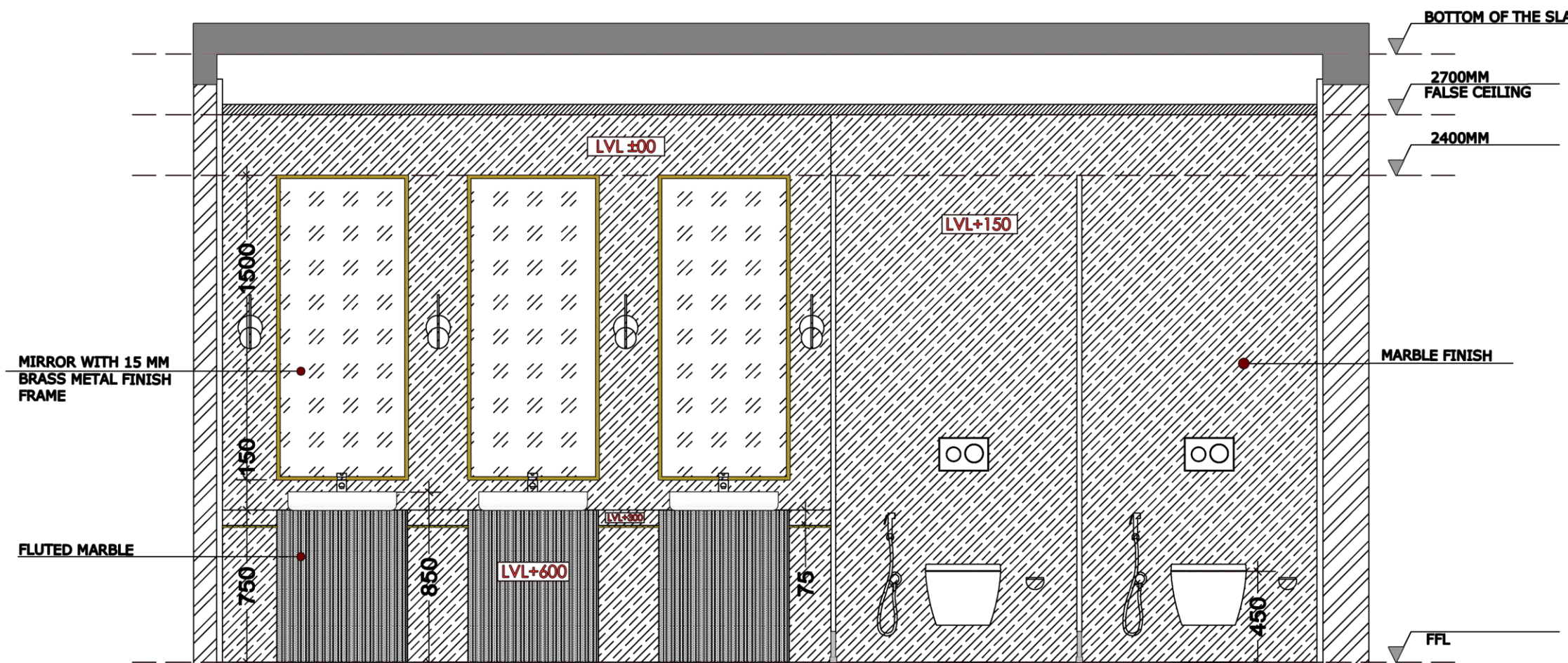
MATERIALS



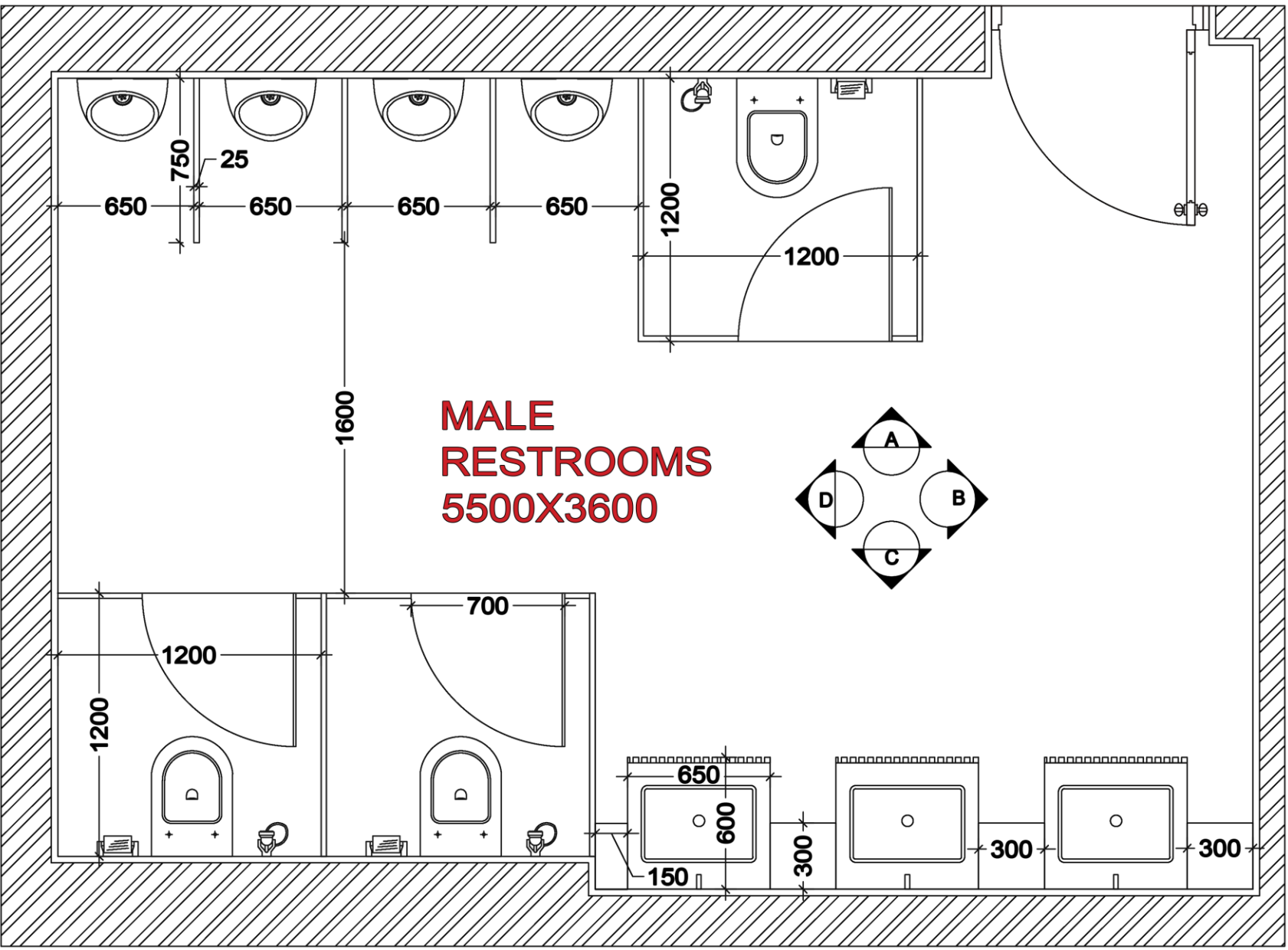
VIEWS



ELEVATION D



ELEVATION C



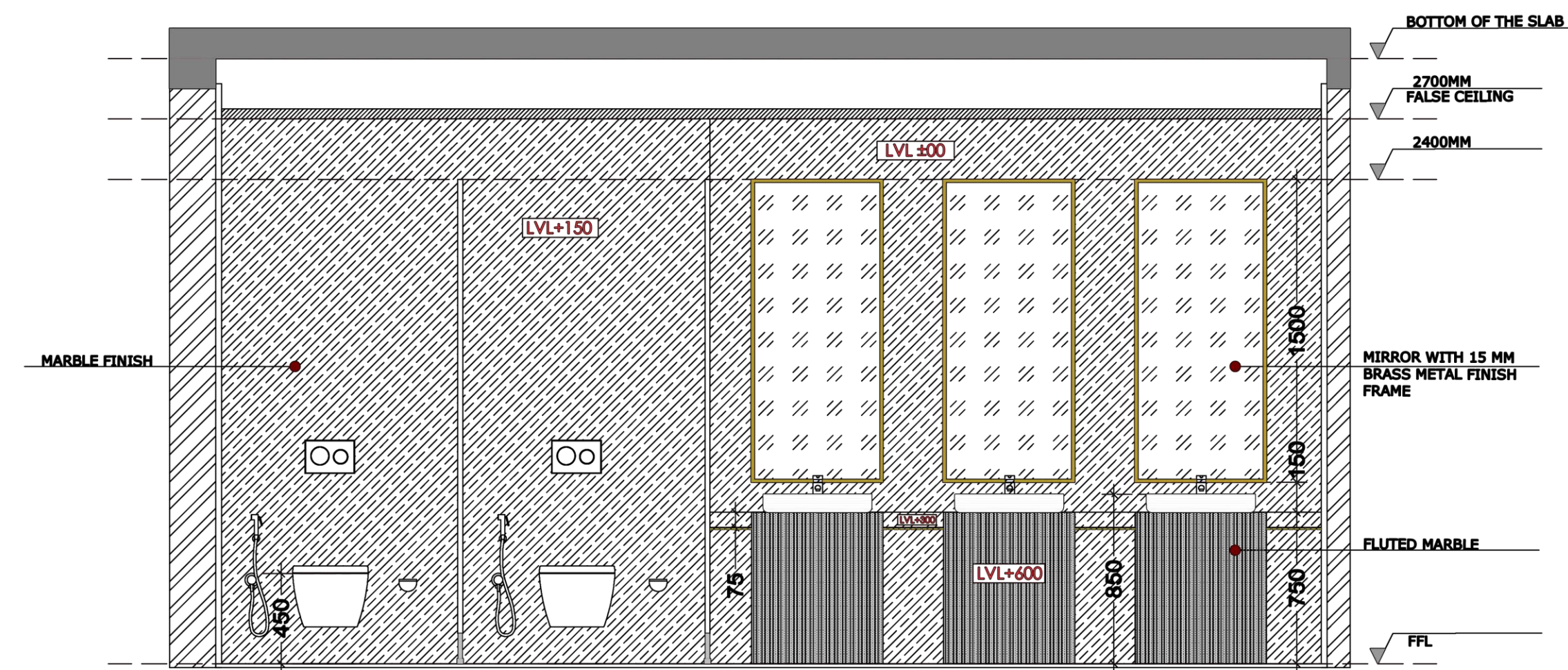
PLAN

NOTE: ALL DIMENSIONS ARE IN MM

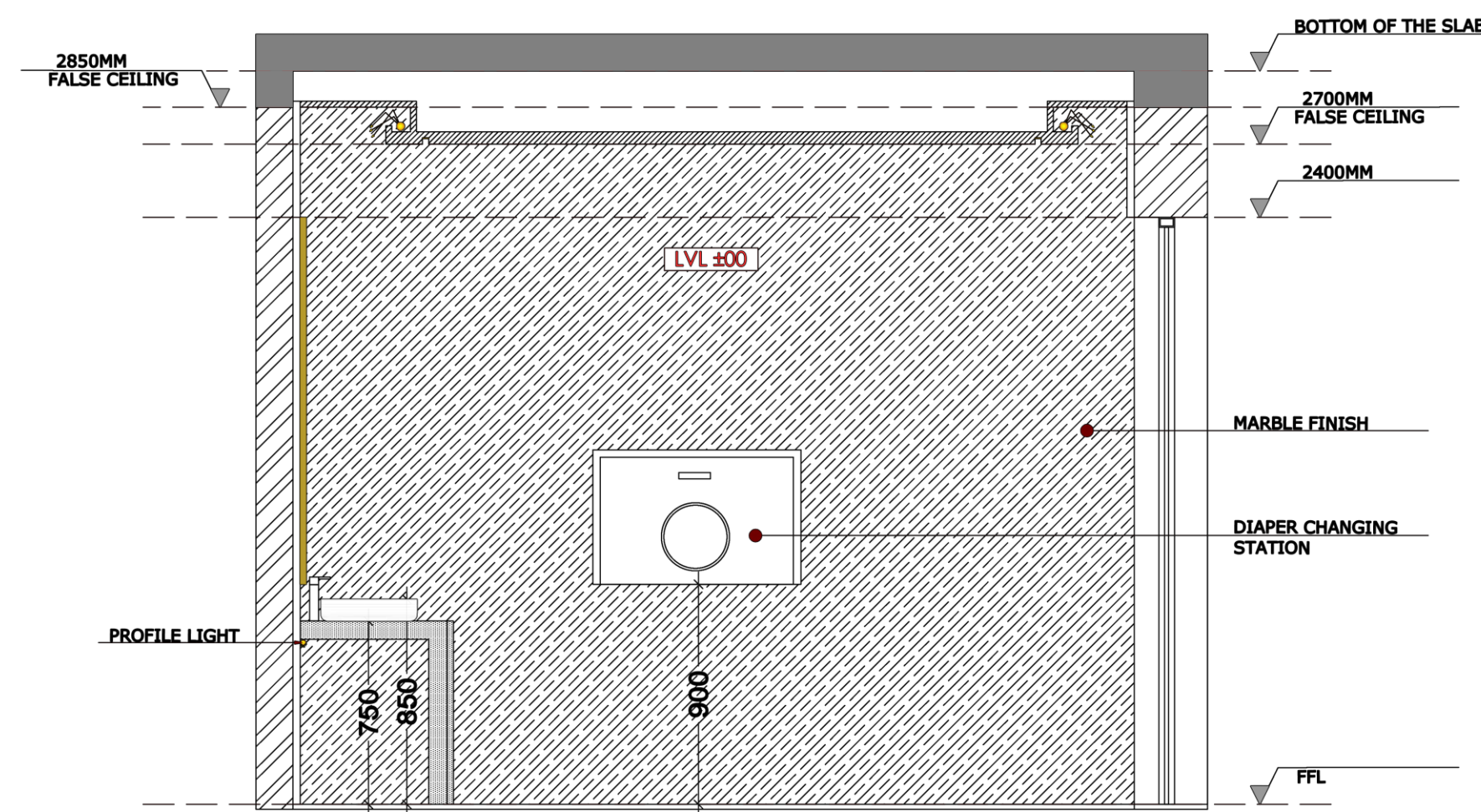
N.T.S



FEMALE RESTROOM



ELEVATION A



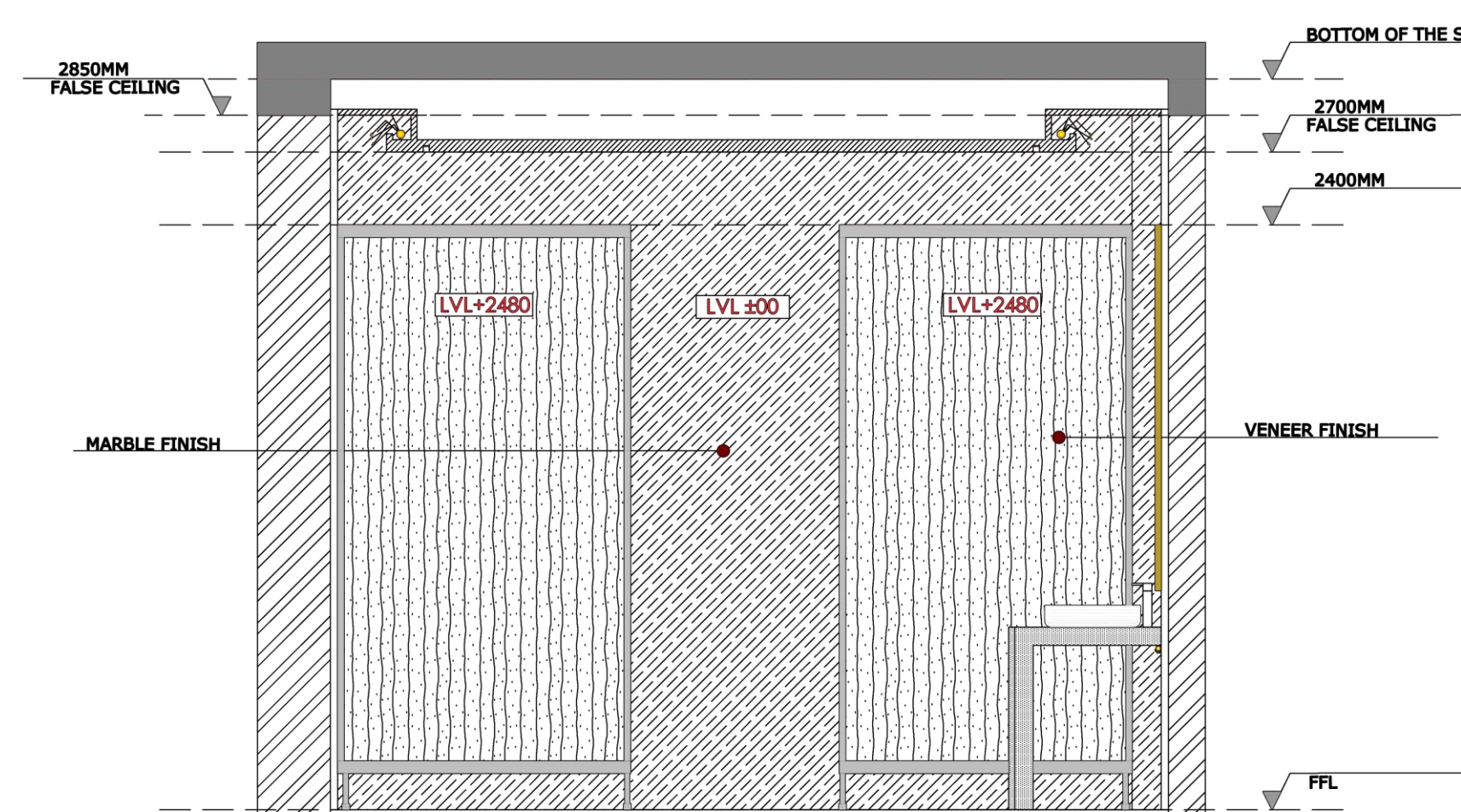
ELEVATION B



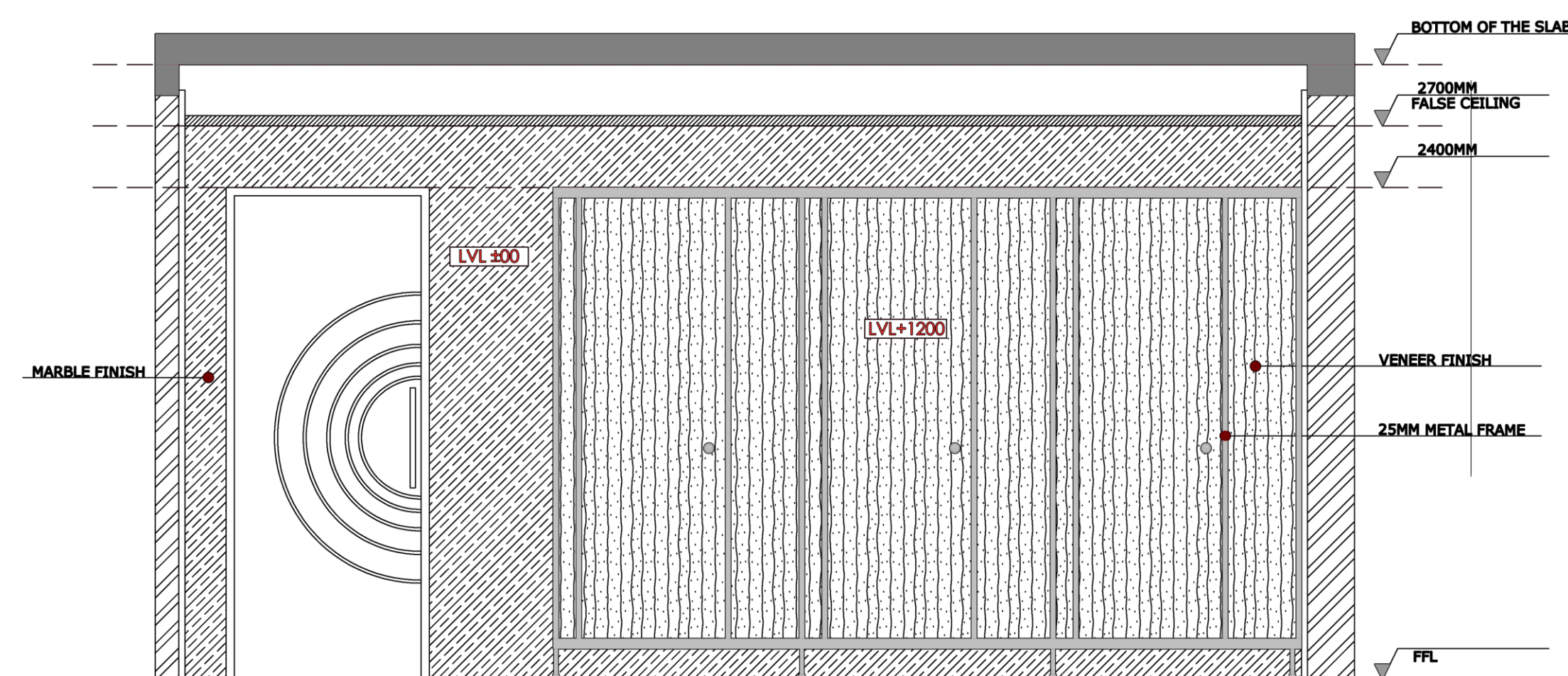
MATERIALS



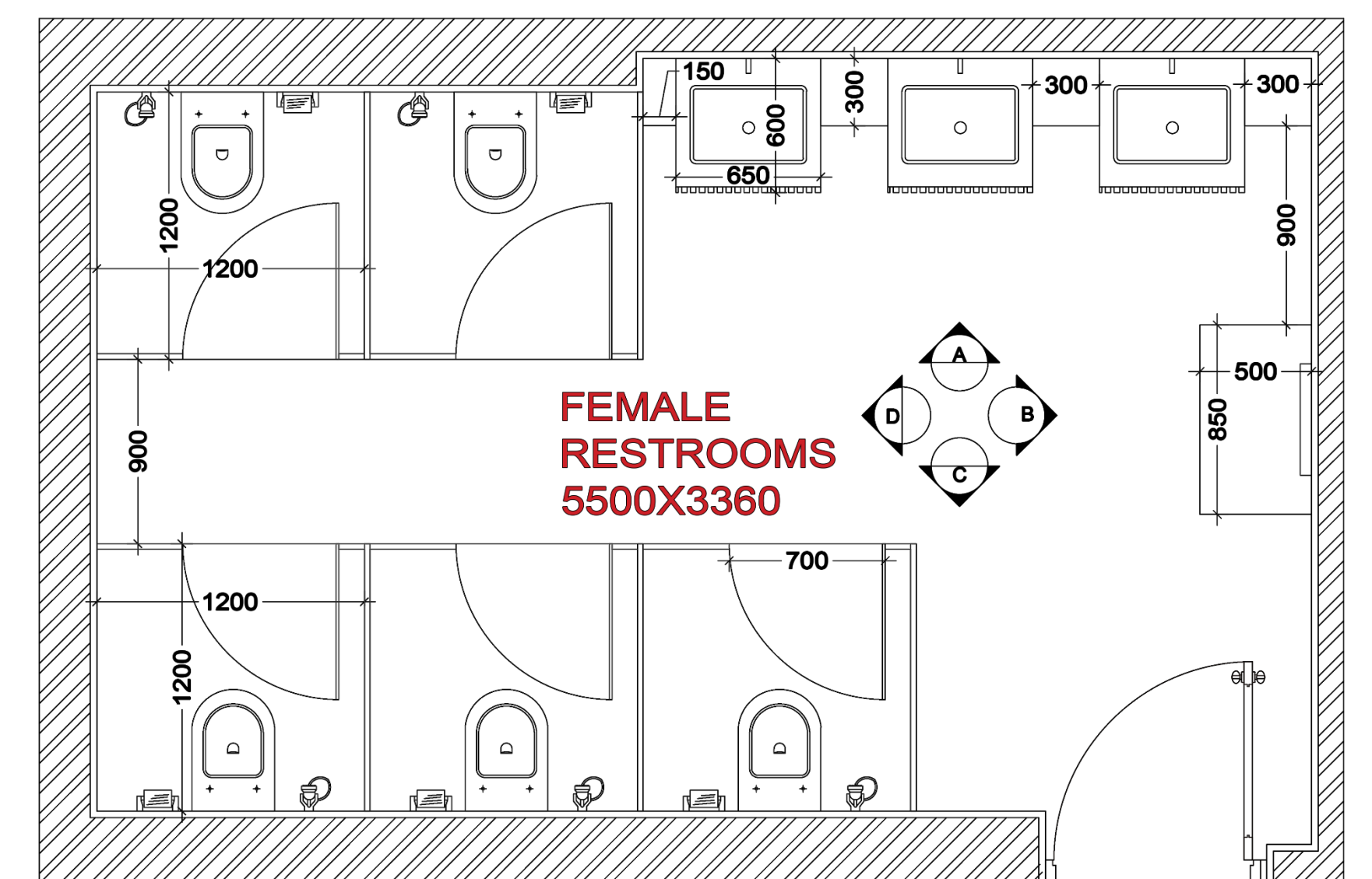
VIEWS



ELEVATION D



ELEVATION C



FEMALE
RESTROOMS
5500X3360

PLAN

NOTE: ALL DIMENSIONS ARE IN MM

N.T.S

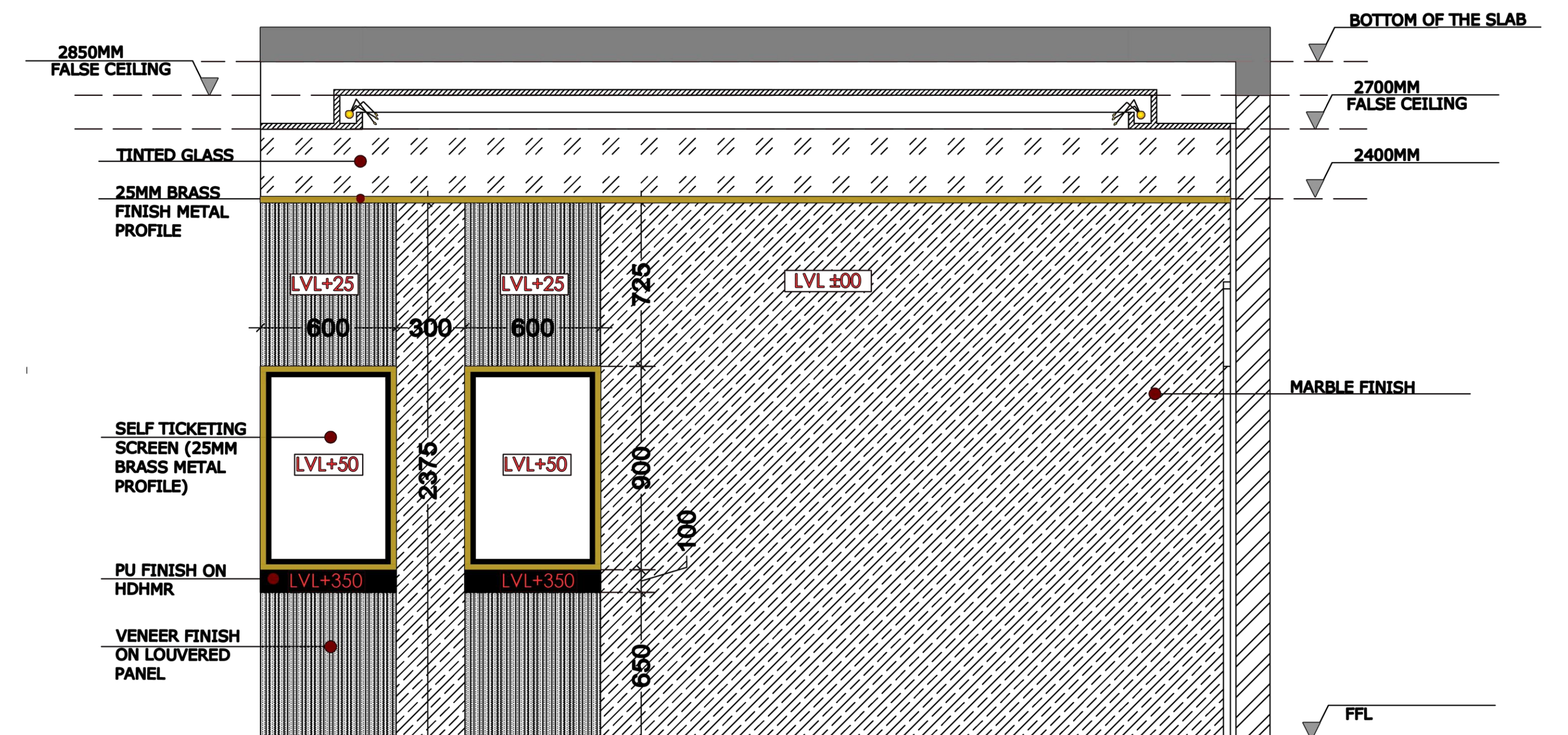
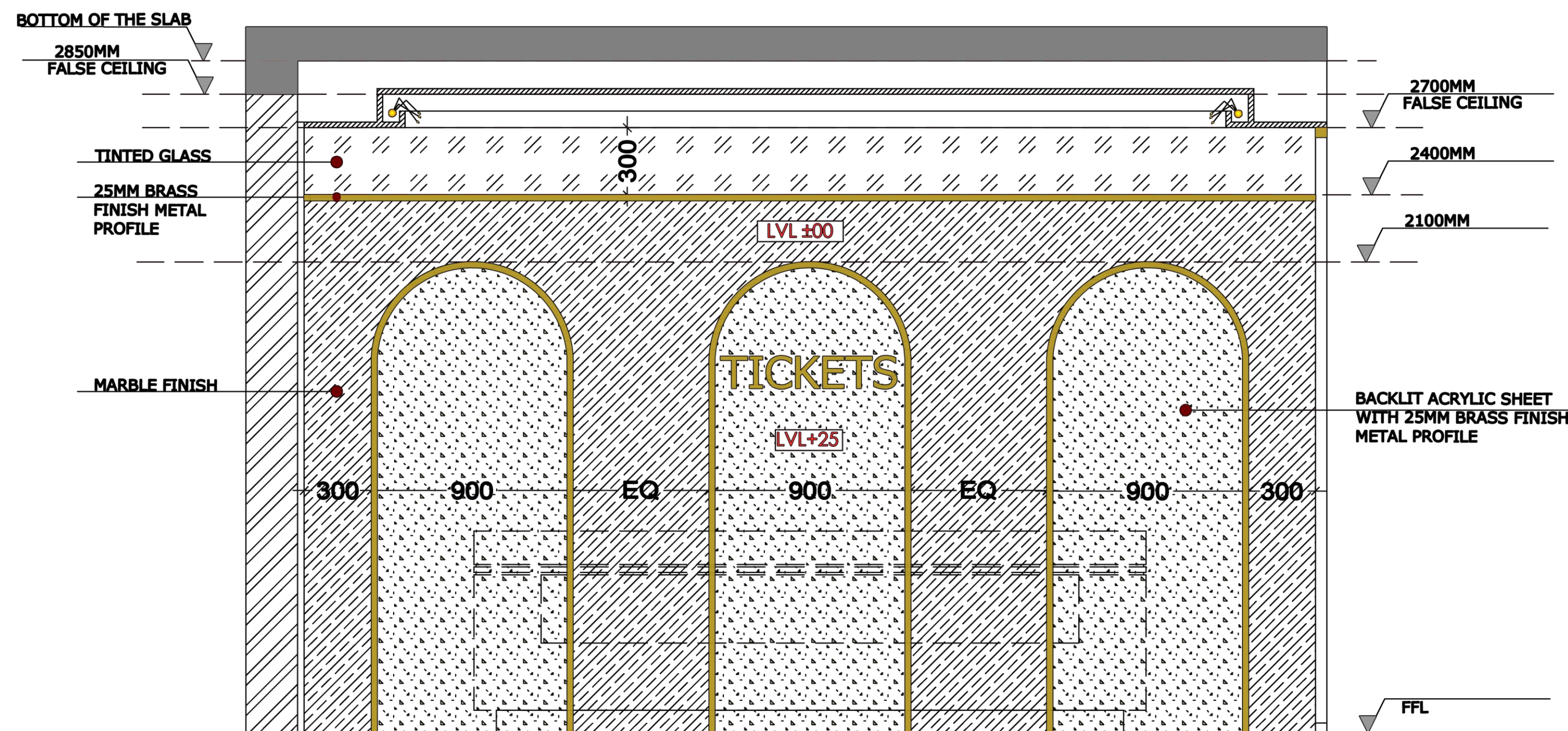
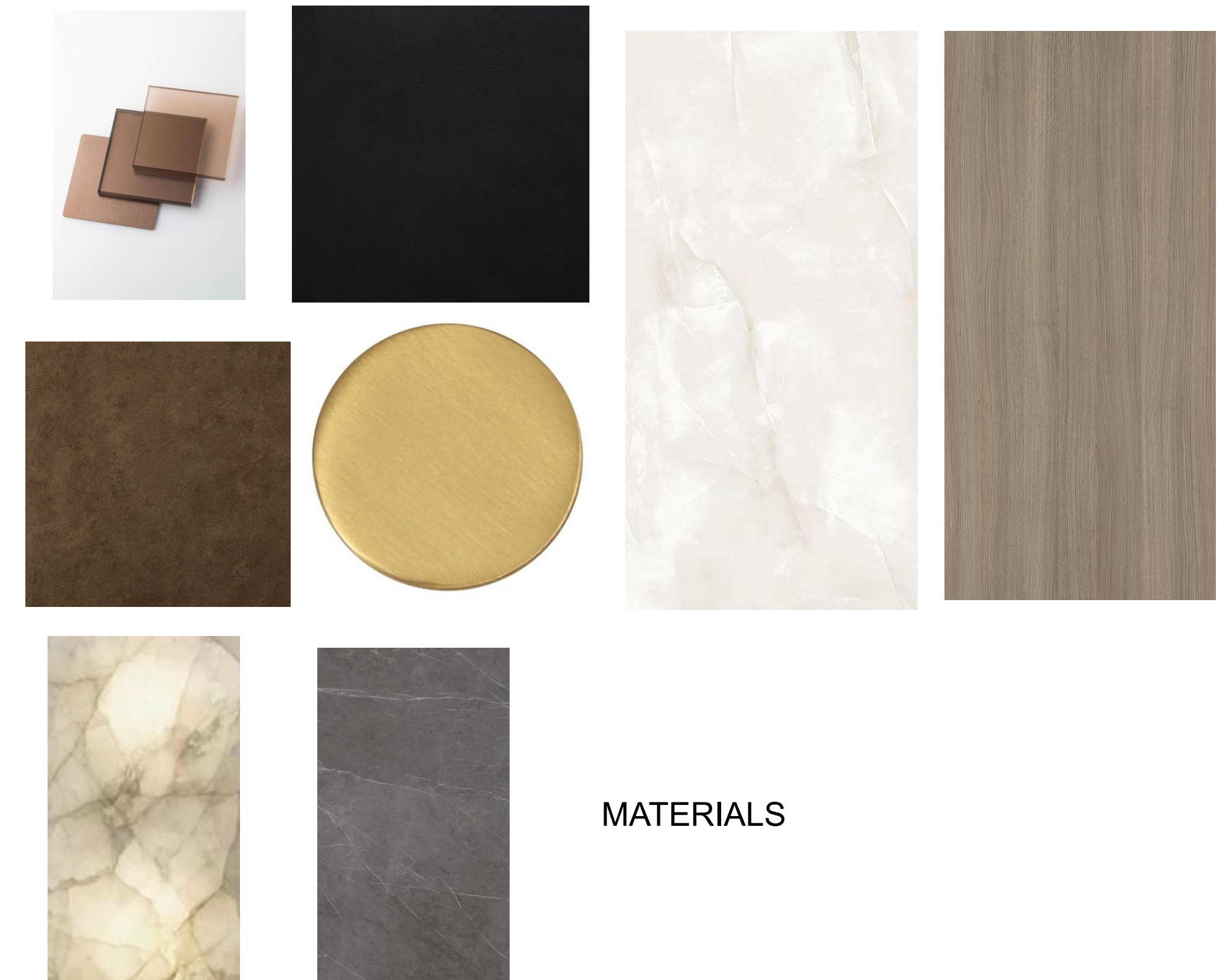
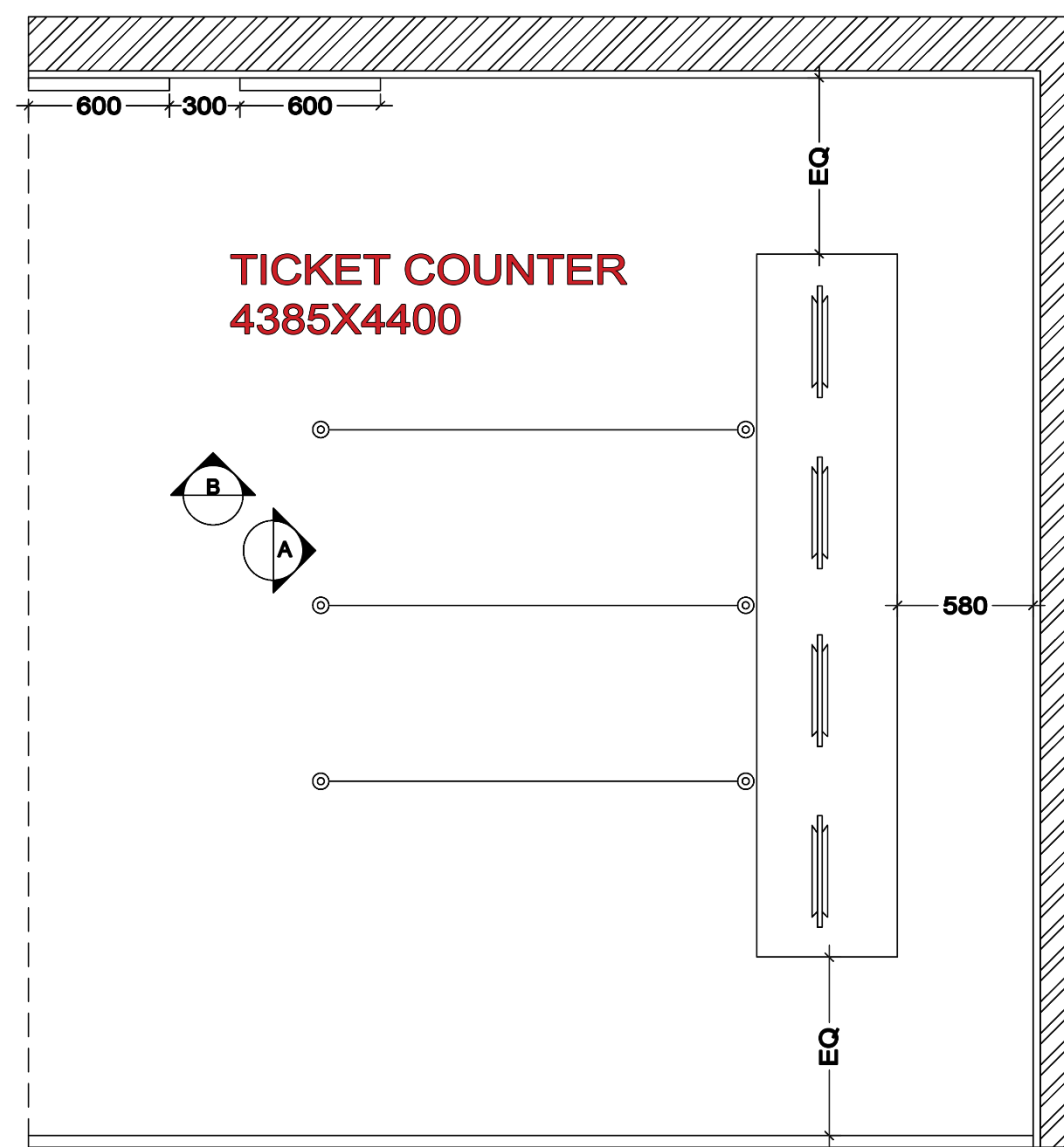
THESIS BY- SHIFA SAYEED

GUIDE -AR.ANKUR SAXENA



SIGN-

TICKET COUNTER



N.T.S

THESIS BY- SHIFA SAYEED

GUIDE -AR.ANKUR SAXENA



SIGN-

NOTE: ALL DIMENSIONS ARE IN MM

VIEWS



VIEW 01 (AUDI 01)



VIEW 02 (AUDI 02)



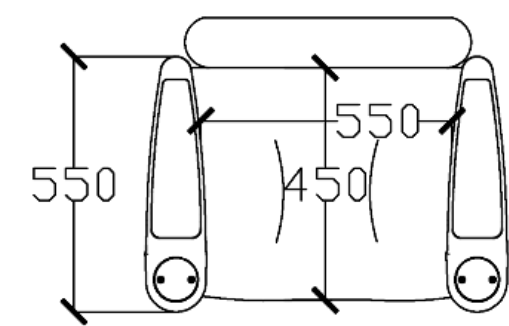
VIEW 03 (AUDI 01)



VIEW 04 (AUDI 01)

N.T.S

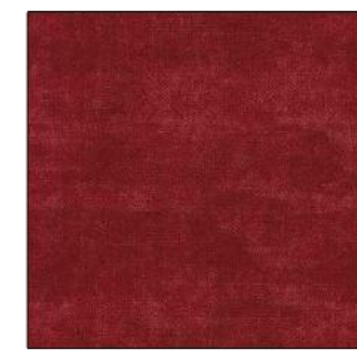
FURNITURE DETAILS



PLAN

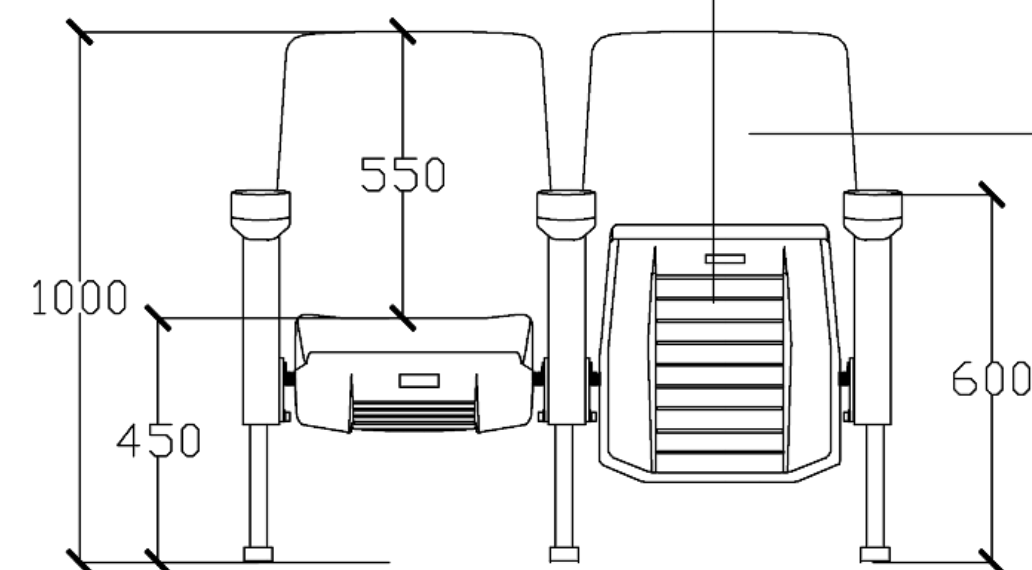


REFERENCES



Red velvet fabric

-Cushion recovery: Spring or gravity returning mechanism.



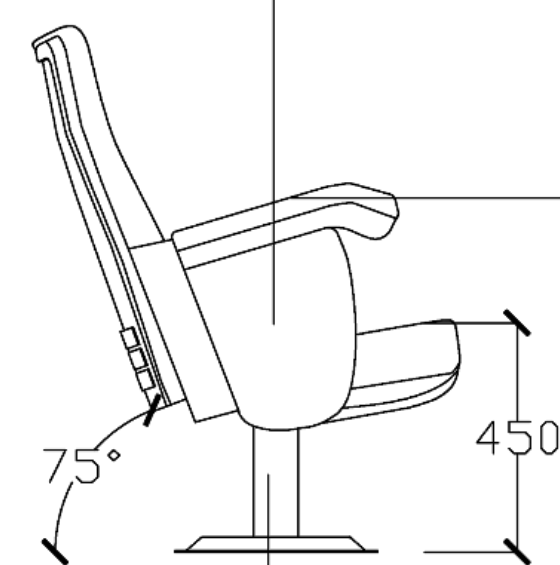
FRONT ELEVATION

-Back & seat cover : Injection molded with multiple composite material (pp), anti-impact, anti-aging.

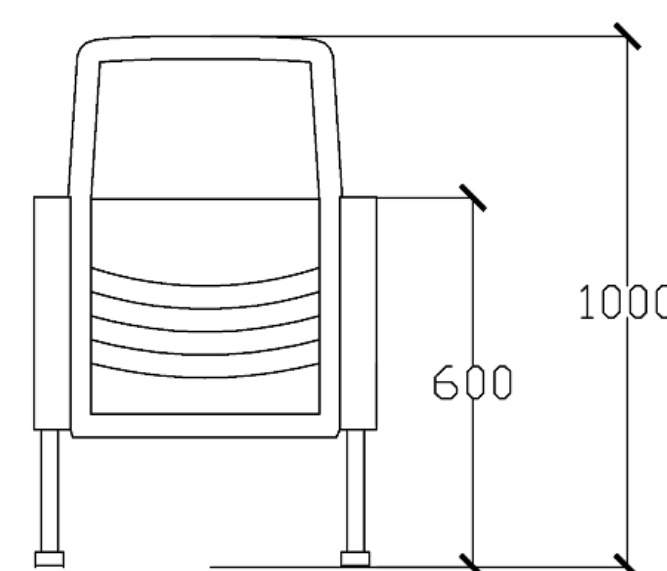
-Back & seat sponge : High-density PU, molded by cold foaming, no distortion for a long time.

-Armrest cover : timber externally applied with polyester coating.

-Side pad fabric : Stain and discoloration resistant premium fabric with three proofings.

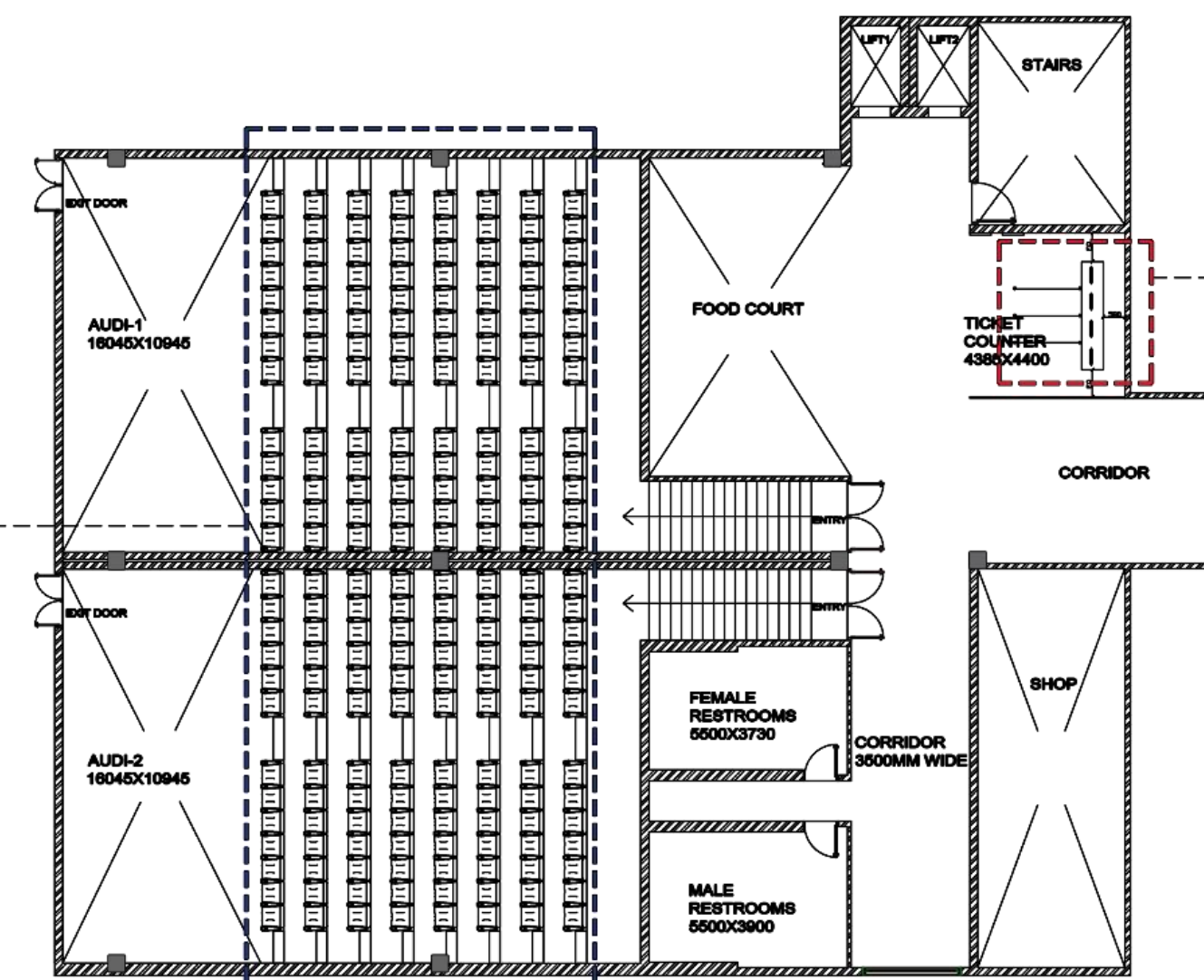


SIDE ELEVATION



REAR ELEVATION

-Leg: Made from top quality steel after precise pressing and welding, and gone through procedures of polishing anti-rusting, phosphing, spraying and powder coating with pp side pads by injection molding in one time.



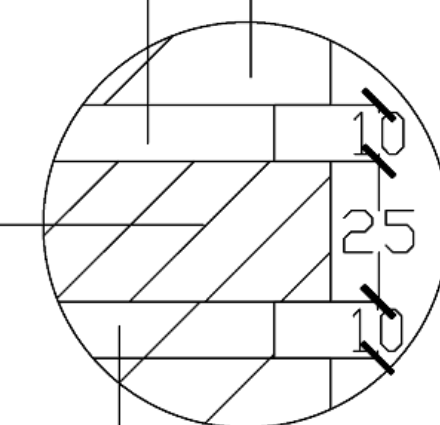
FURNITURE LAYOUT

-10mm groove marble finish



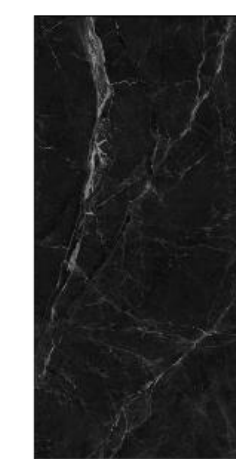
-25mm brass metal finish plate

-10mm groove marble finish

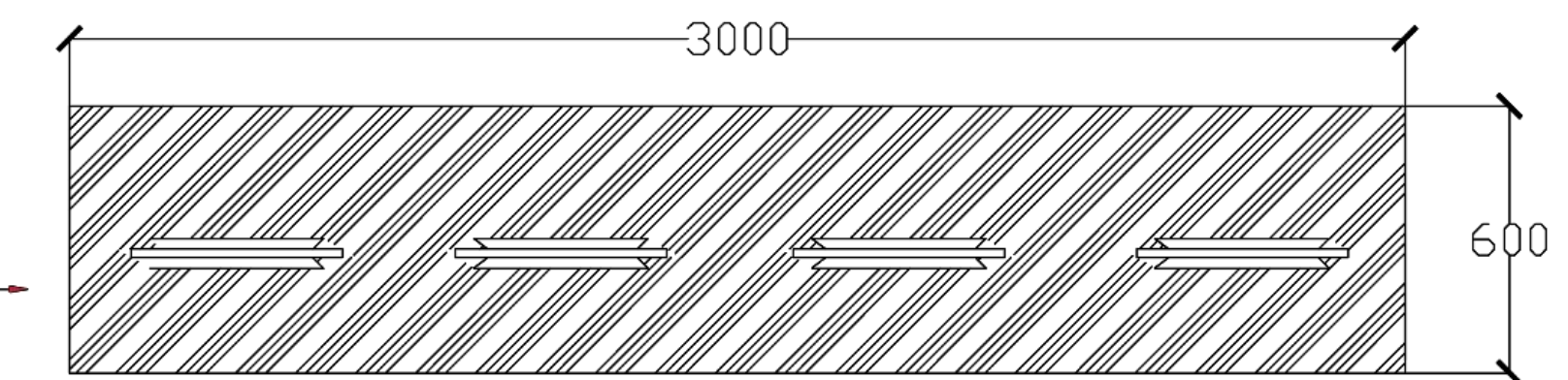


DETAIL AT A

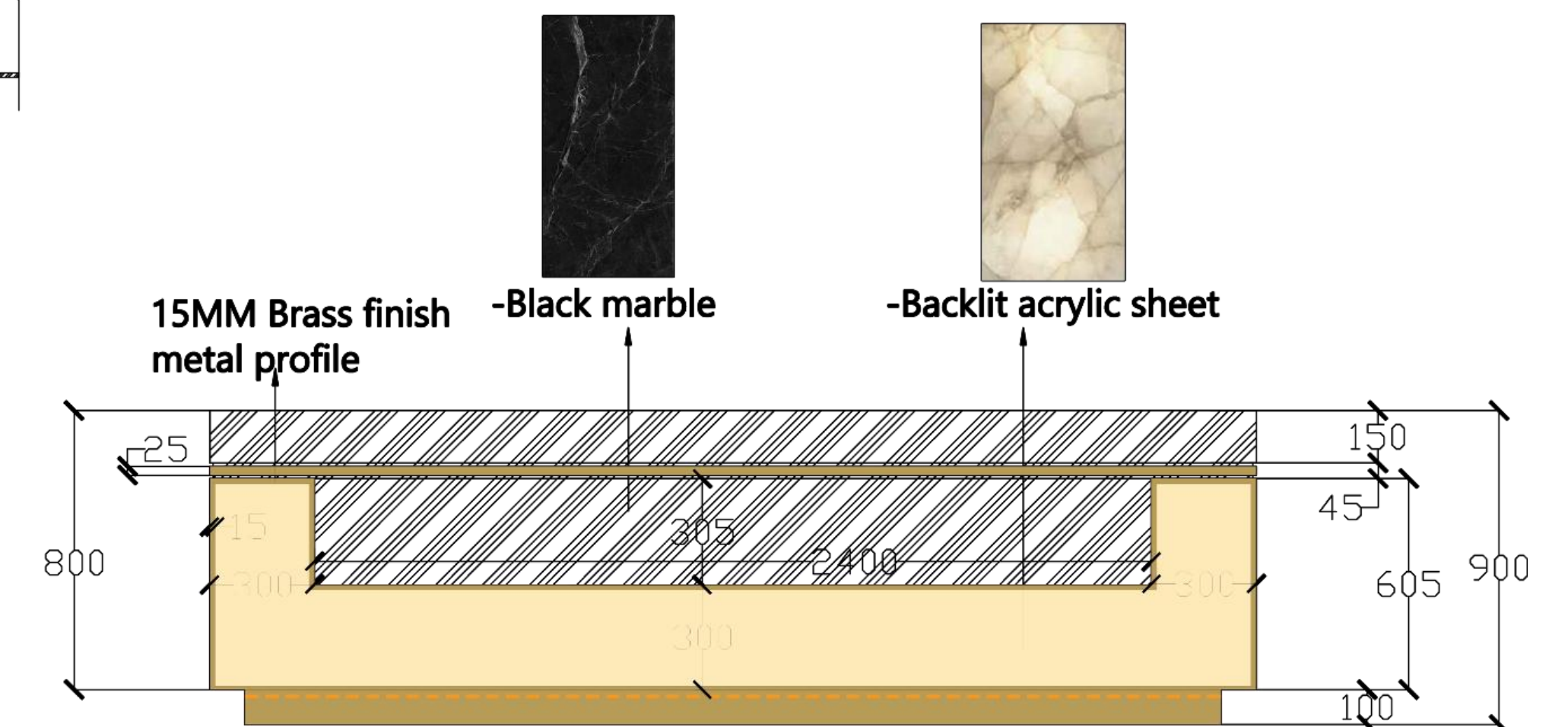
-Black marble



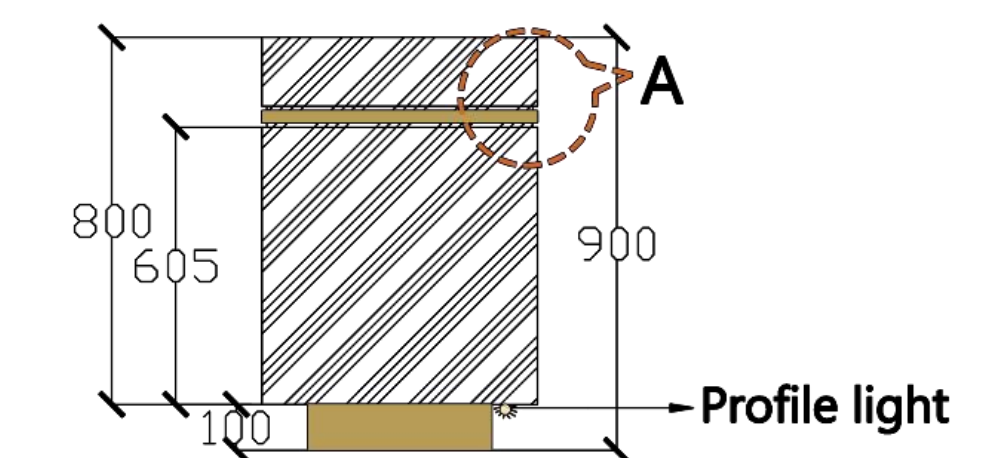
REFERENCE



PLAN



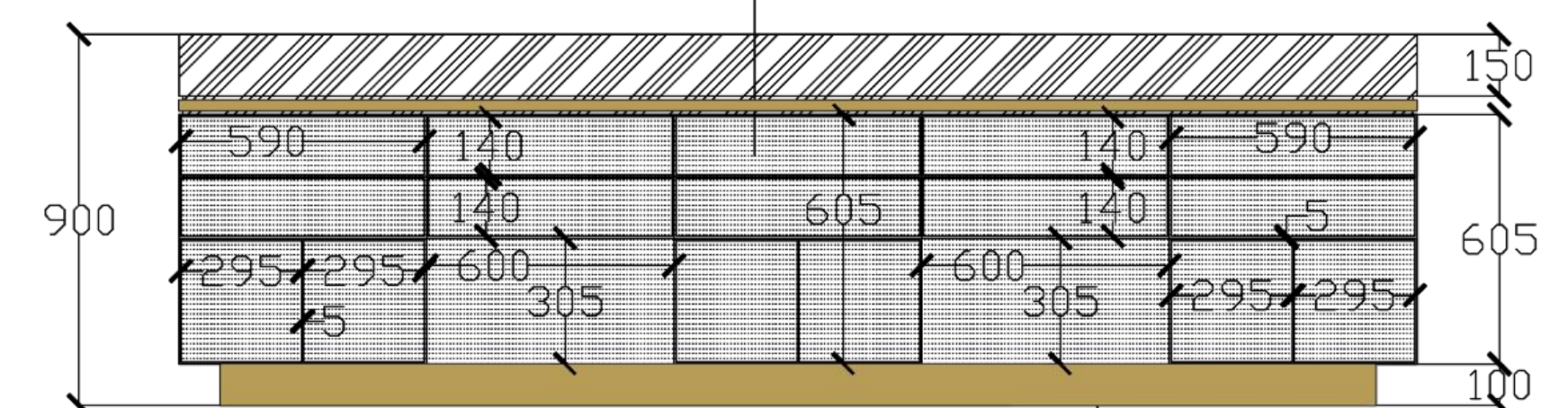
FRONT ELEVATION



SIDE ELEVATION



-Black pu paint

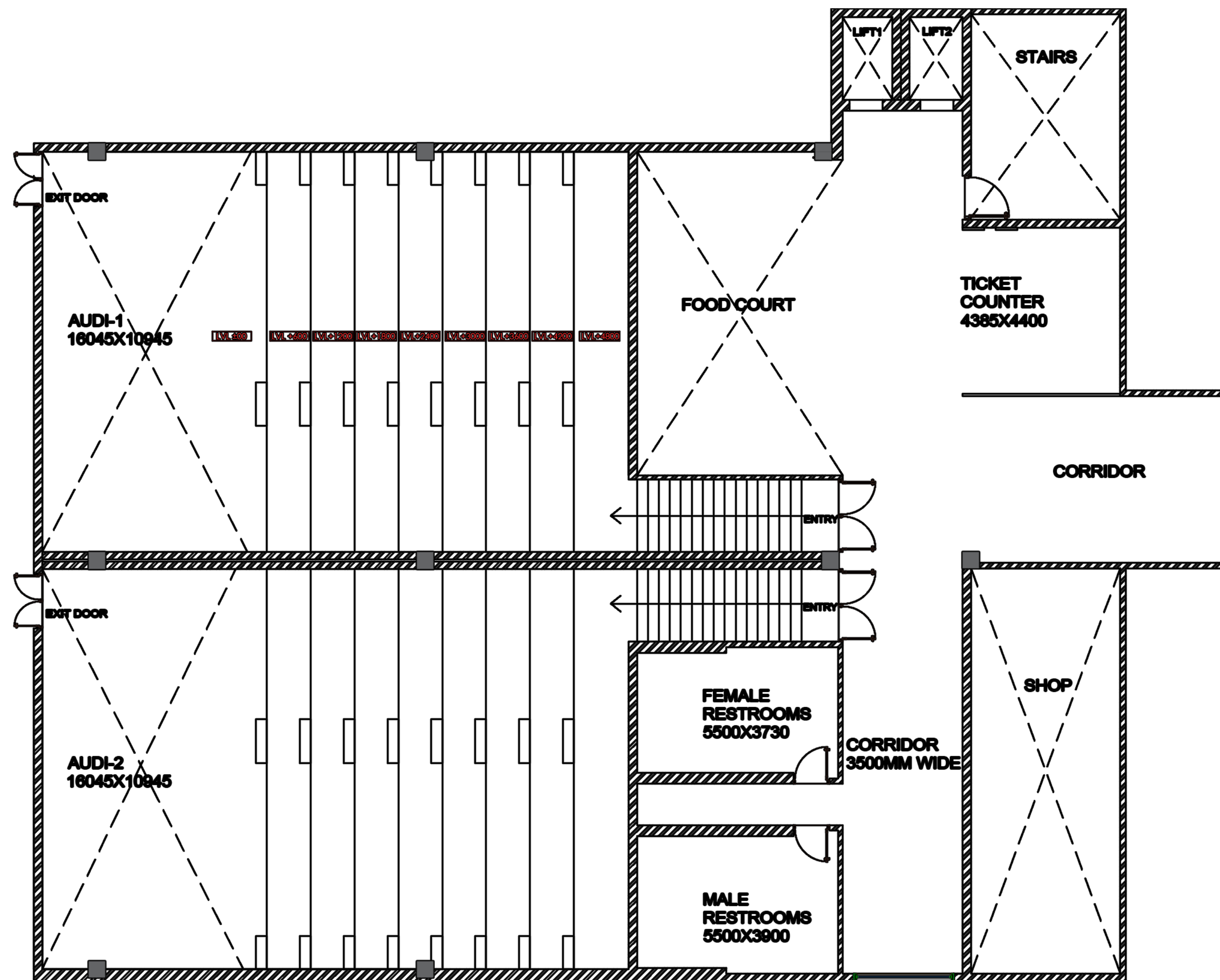


REAR ELEVATION

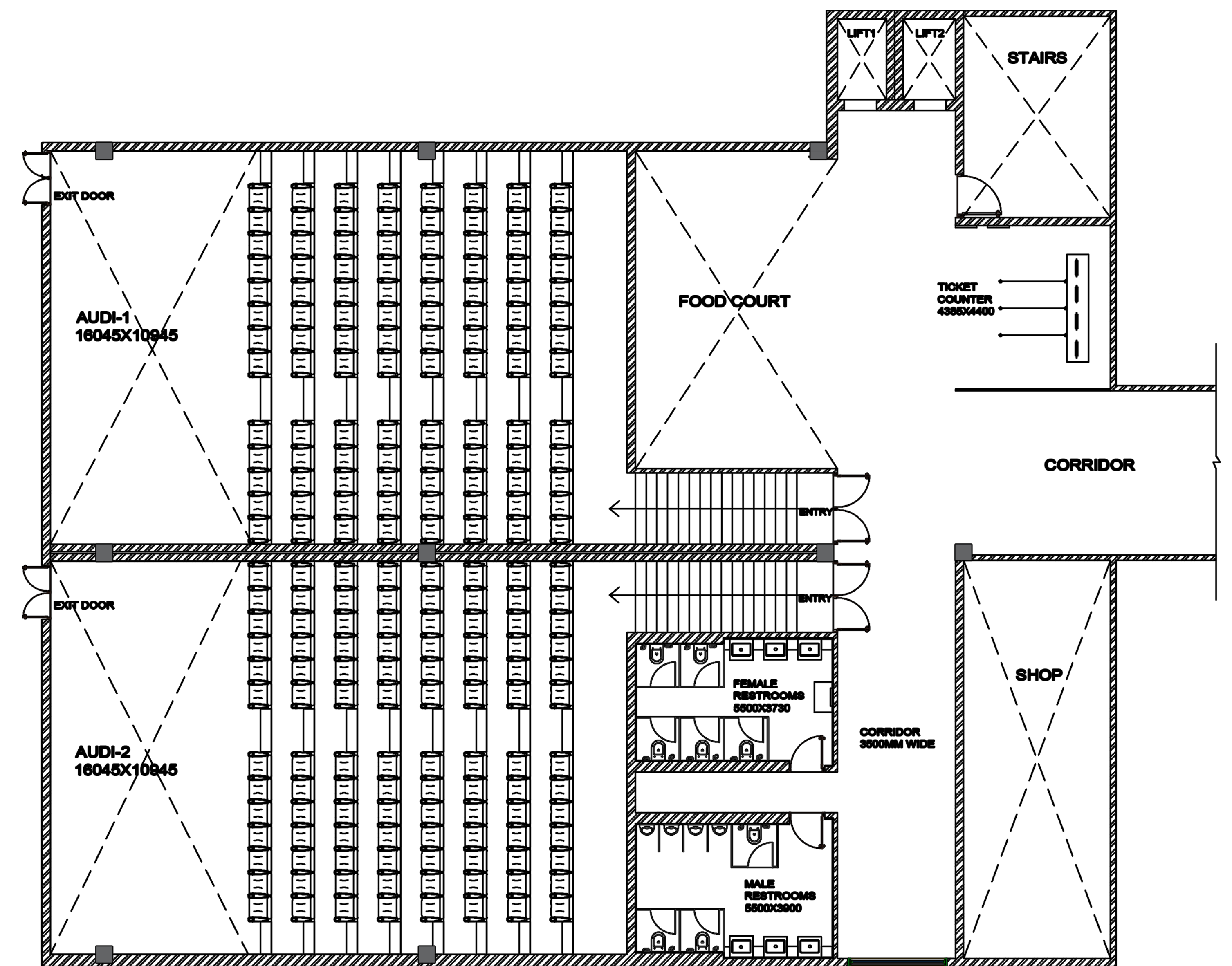
NOTE: ALL DIMENSIONS ARE IN MM



FLOOR PLAN & FURNITURE LAYOUT

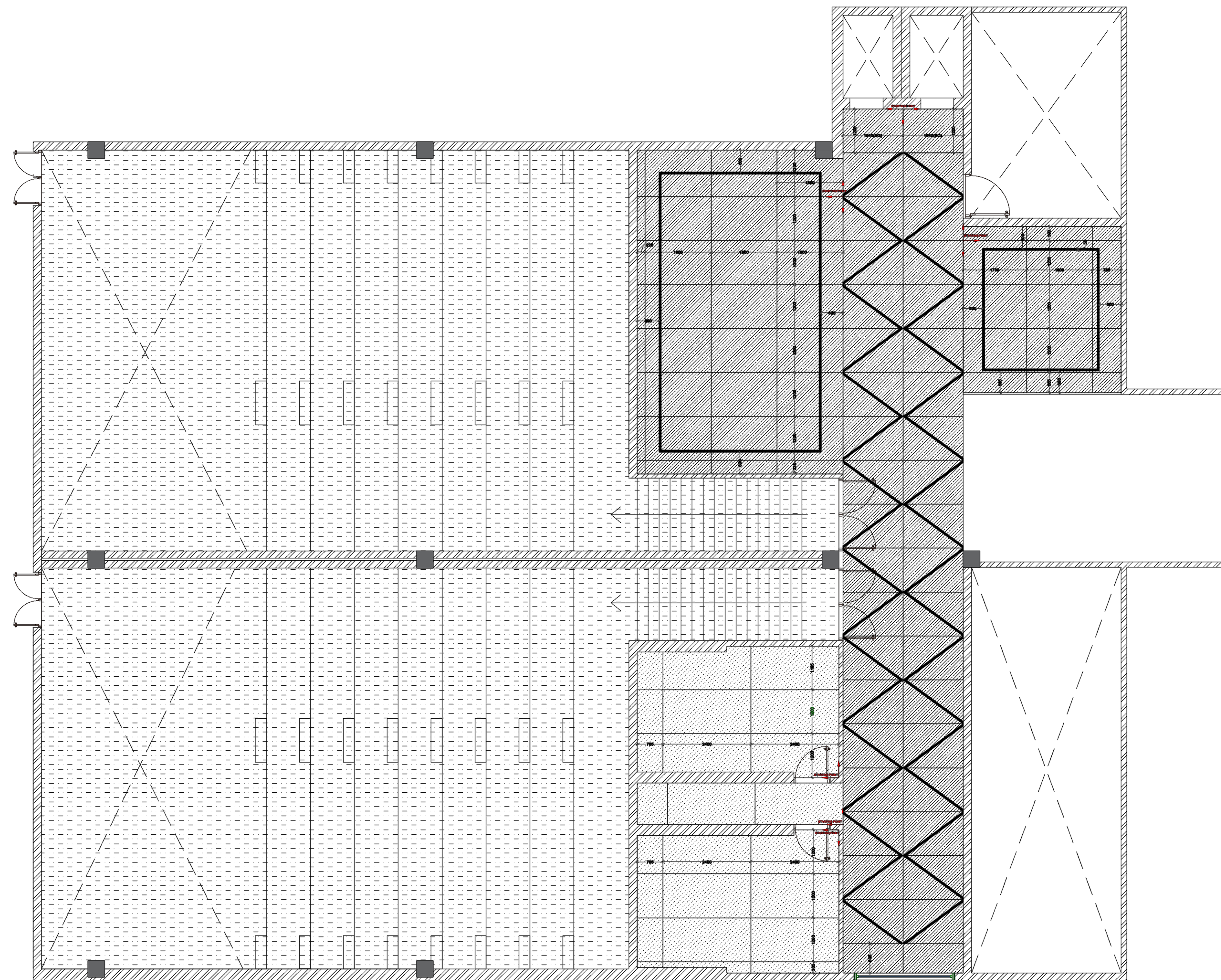


FLOOR PLAN



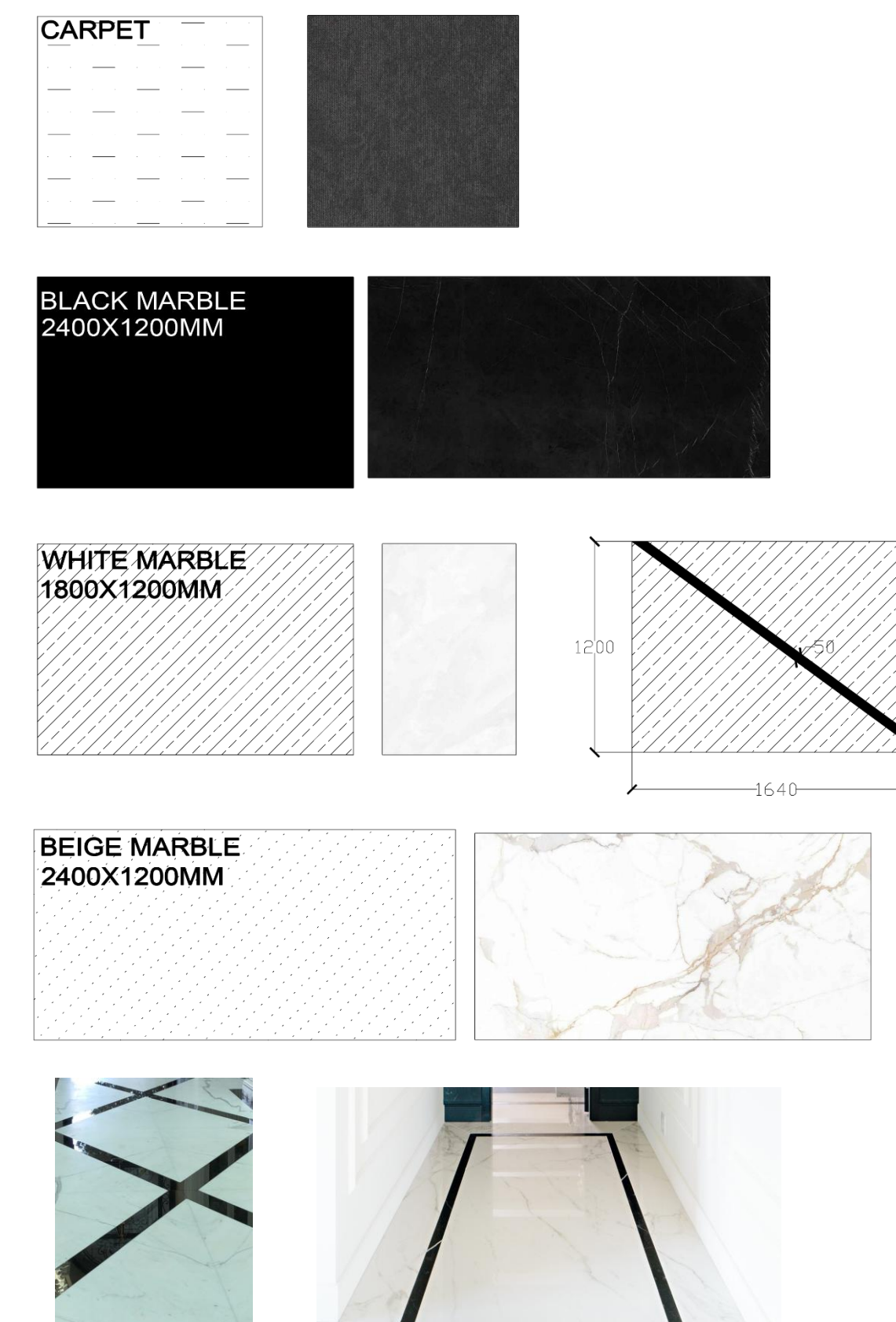
FURNITURE LAYOUT

FLOORING & PLUMBING LAYOUT



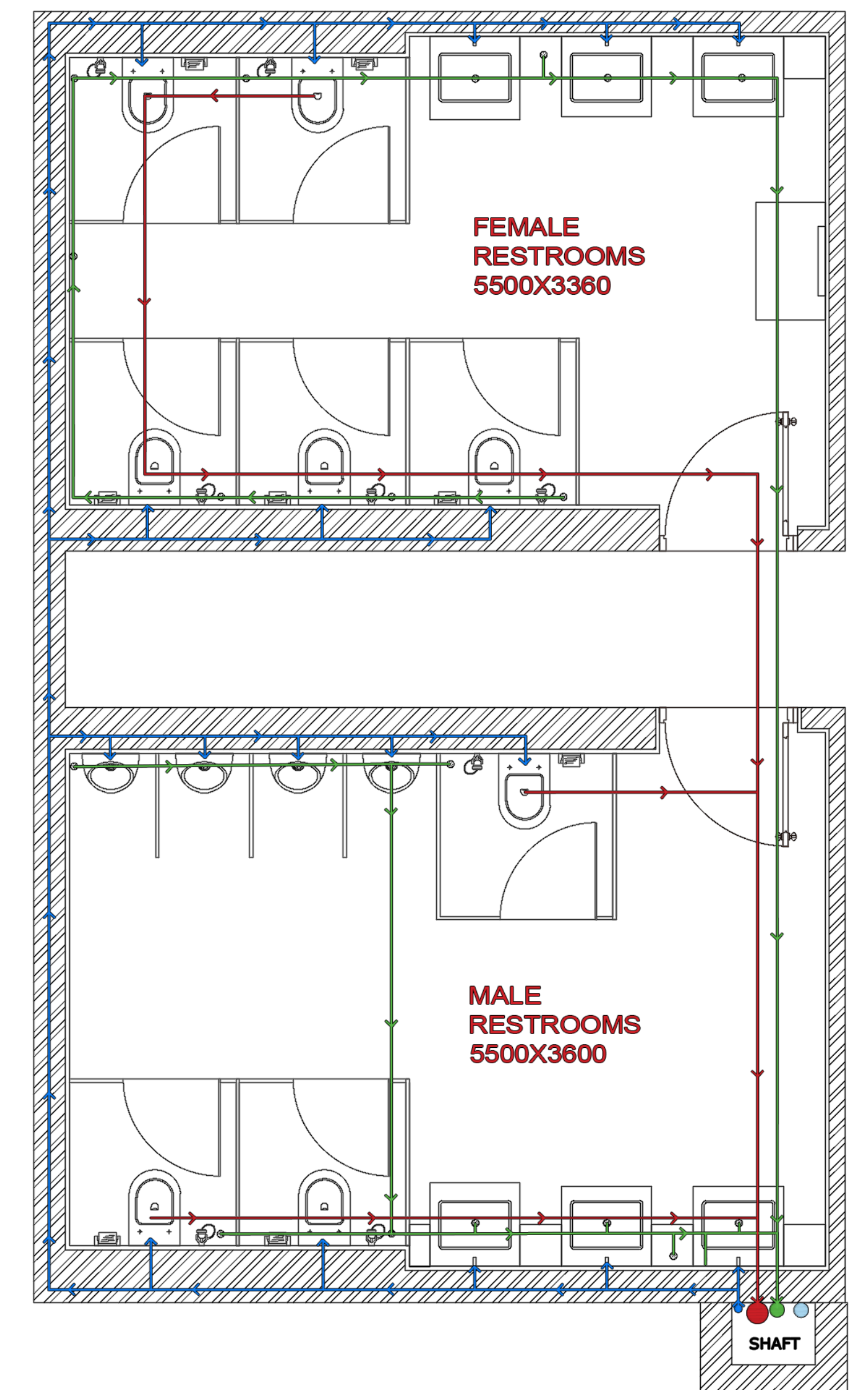
FLOORING LAYOUT

TILE SELECTION



REFERENCE OF FLOORING LAYOUT

LEGEND FOR PLUMBING -			
S.NO	SYMBOL	DESCRIPTION	DIMENSION
1		DRAIN WATER PIPE	100 MM (DIAMETER)
2		SOIL WATER PIPE	150 MM (DIAMETER)
3		SUPPLY WATER PIPE	50 MM (DIAMETER)
4		RAIN WATER PIPE	100 MM (DIAMETER)
5		SOIL WATER PIPE	_____
6		DRAIN WATER PIPE	_____
7		SUPPLY WATER PIPE	_____
8		FLOOR TRAP	_____



PLUMBING LAYOUT

N.T.S

THESIS BY- SHIFA SAYEED

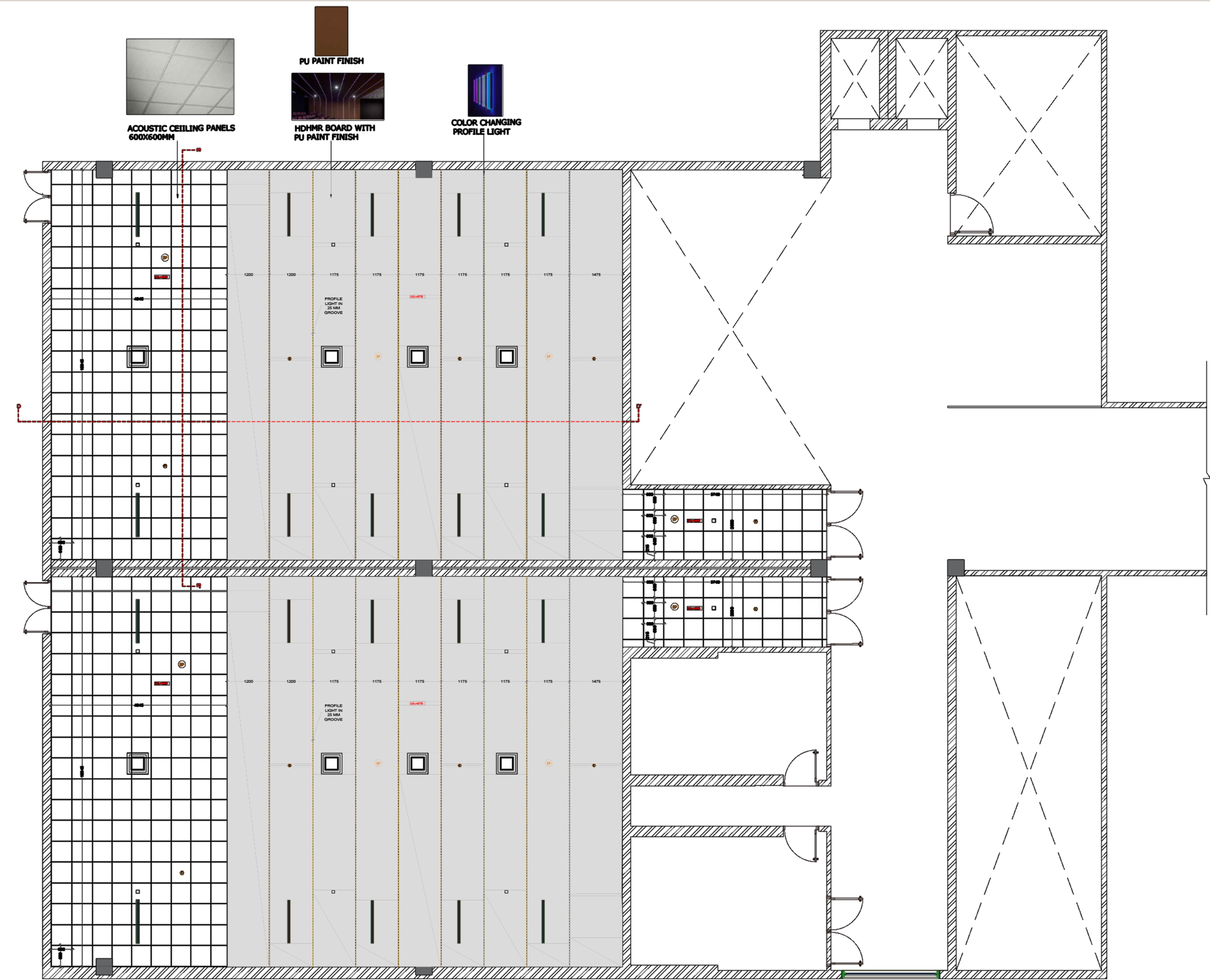
GUIDE -AR.ANKUR SAXENA



SIGN-

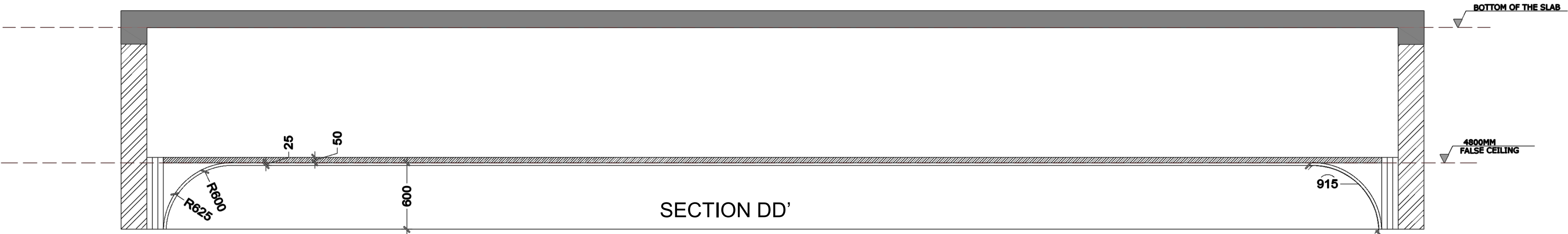
NOTE: ALL DIMENSIONS ARE IN MM

CEILING PLAN & SECTIONS

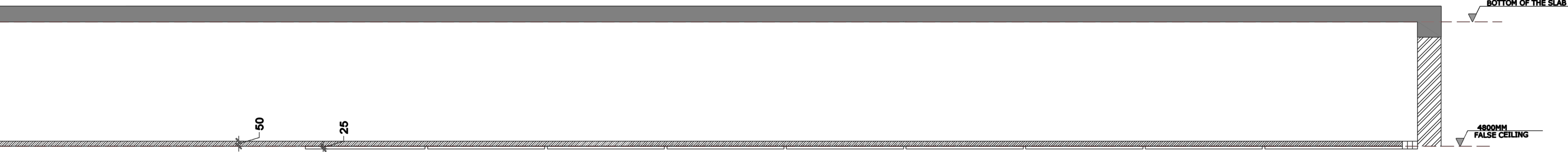


CEILING PLAN

LEGEND FOR CEILING -		
S.NO	SYMBOL	DESCRIPTION
1		PENDANT LIGHT
2		AC GRILL
3		SPRINKLER
4		SMOKE DETECTOR
5		DOWN LIGHT
6		CHANDELIER
7		COVE LIGHT
8		DOWN LIGHT
9		AC GRILL
10		EXHAUST



SECTION DD'



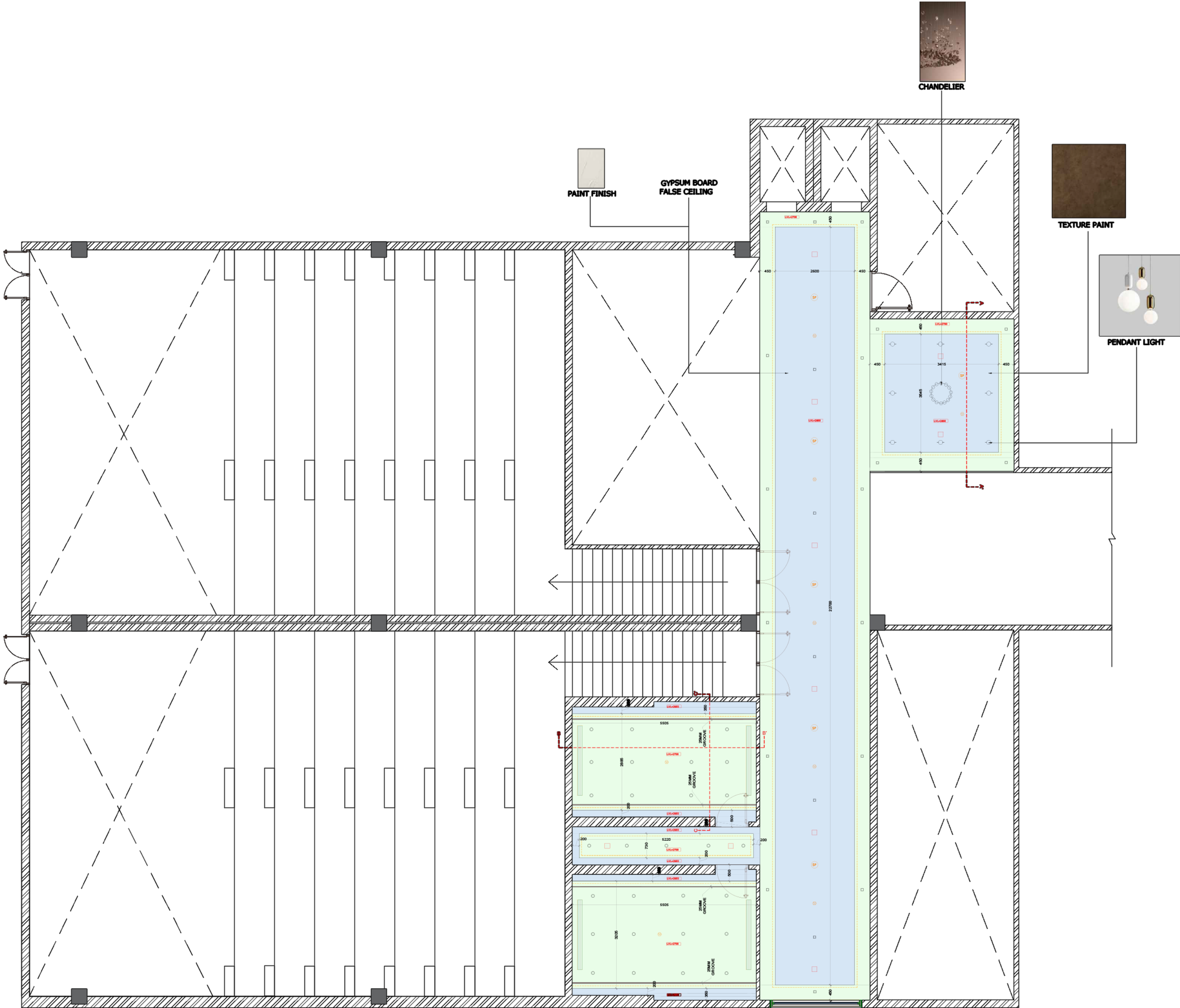
SECTION EE'

NOTE: ALL DIMENSIONS ARE IN MM

N.T.S



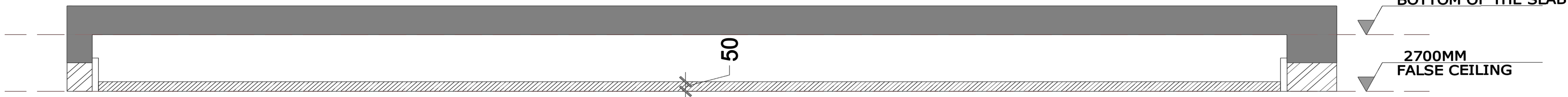
CEILING PLAN & SECTIONS



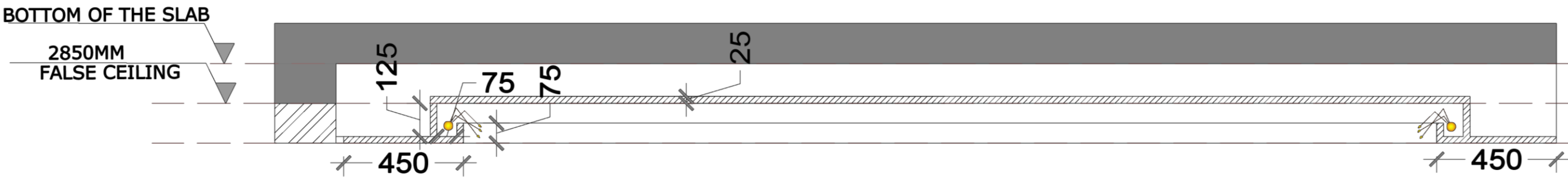
LEGEND FOR CEILING -

S.NO	SYMBOL	DESCRIPTION
1		PENDANT LIGHT
2		AC GRILL
3		SPRINKLER
4		SMOKE DETECTOR
5		DOWN LIGHT
6		CHANDELIER
7		COVE LIGHT
8		DOWN LIGHT
9		AC GRILL
10		EXHAUST

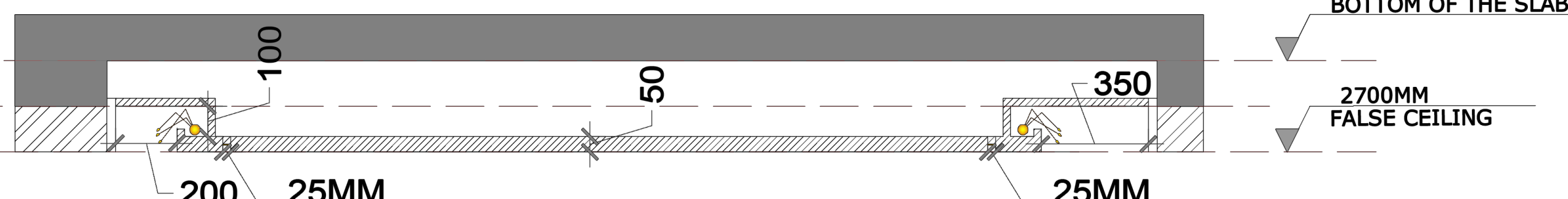
CEILING PLAN



SECTION BB'



SECTION AA'



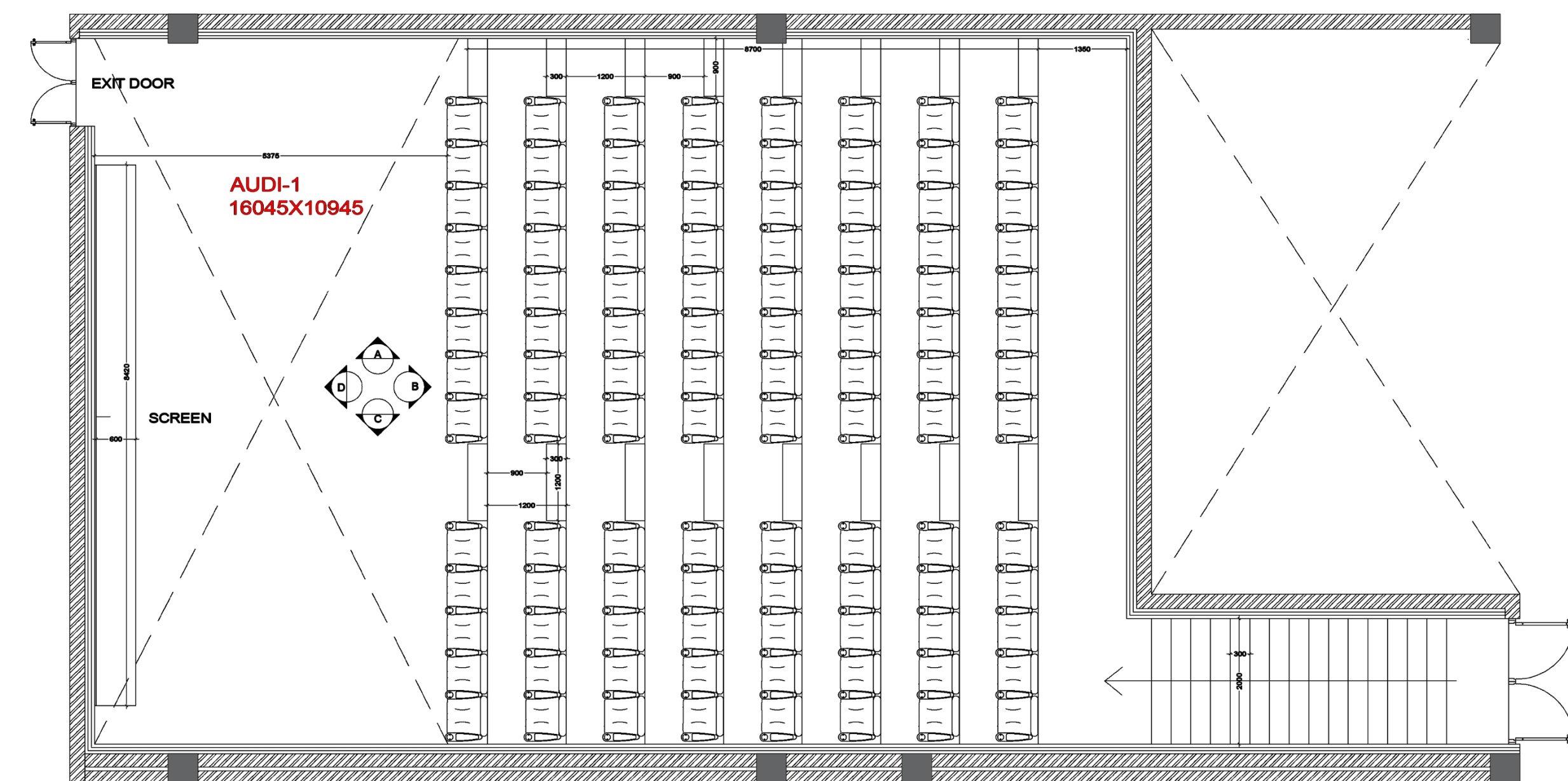
SECTION CC'

N.T.S

NOTE: ALL DIMENSIONS ARE IN MM



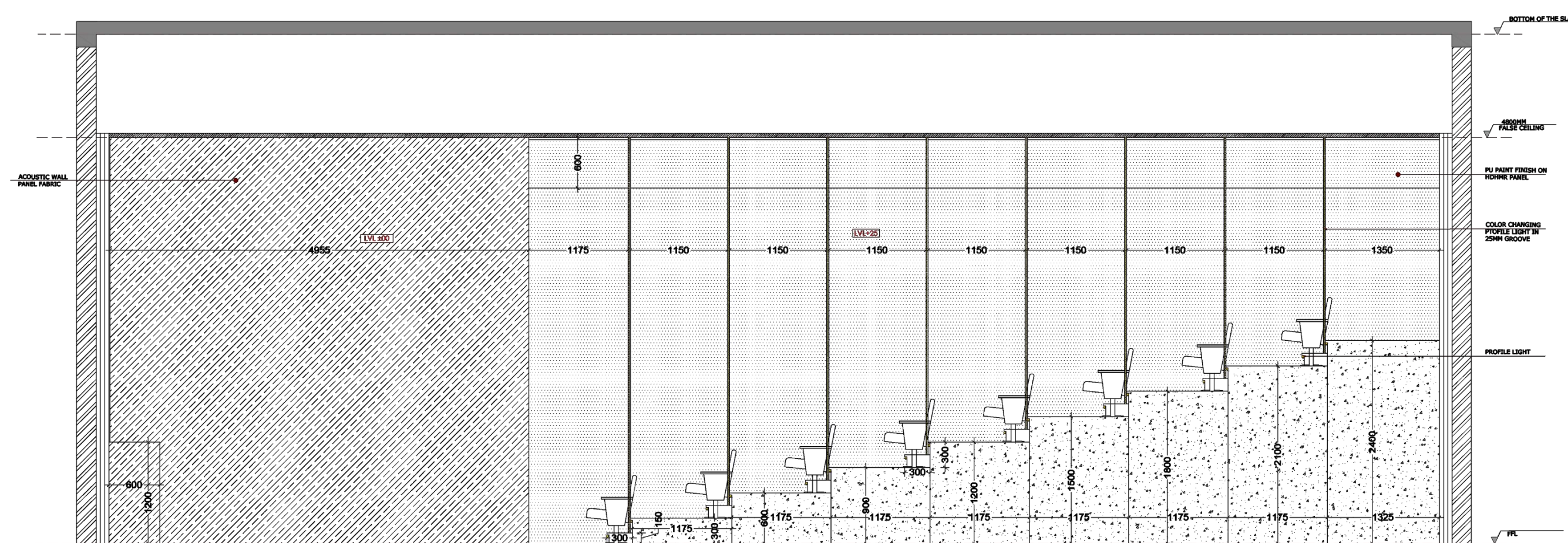
AUDITORIUM



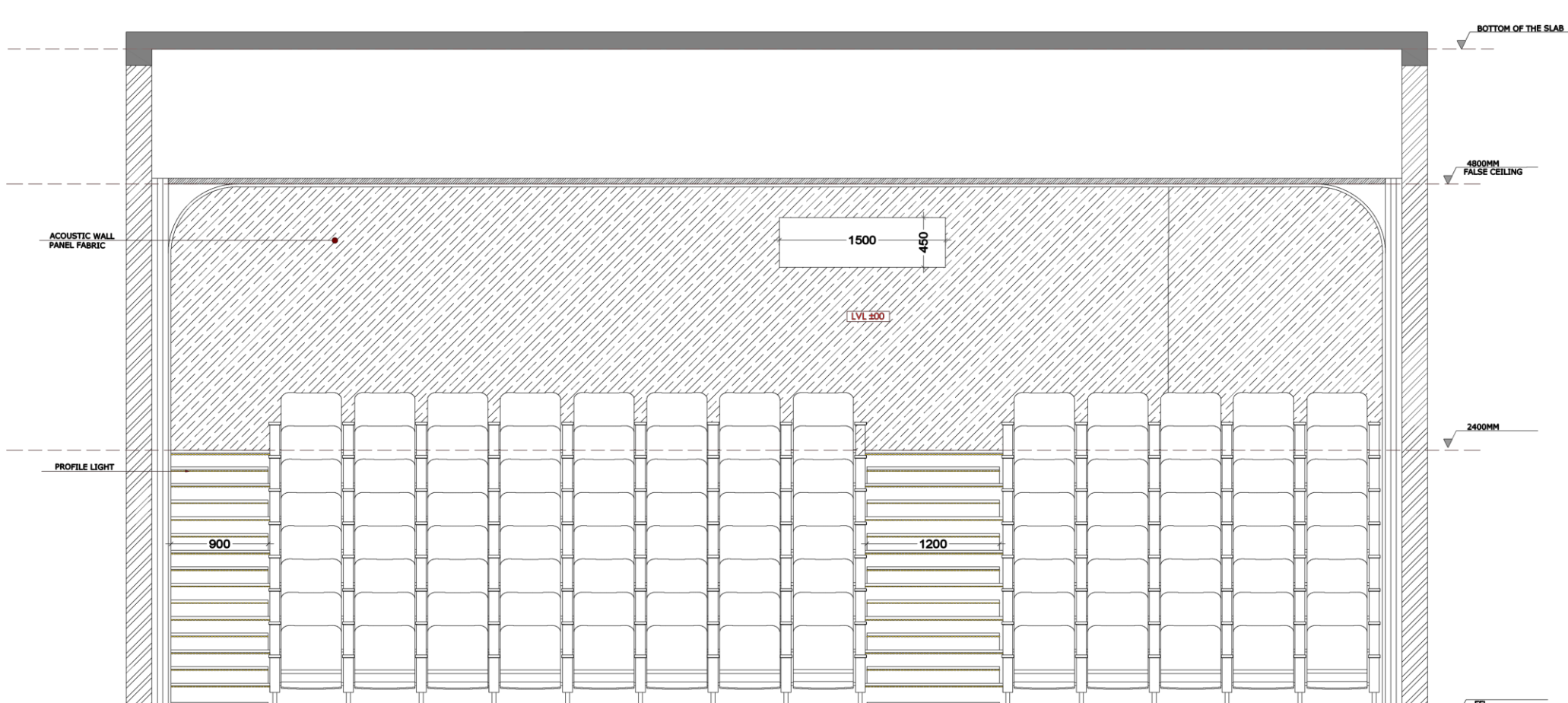
PLAN



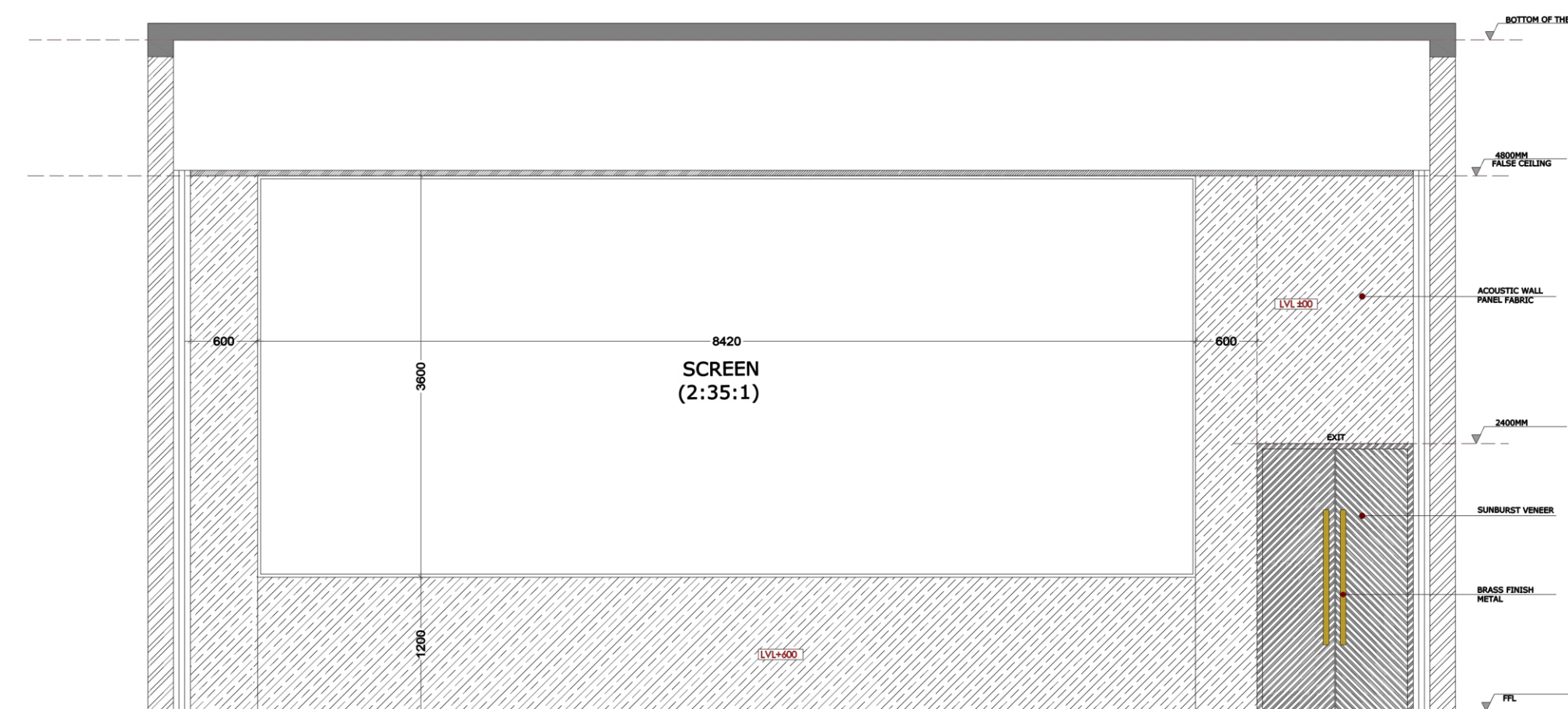
MATERIALS



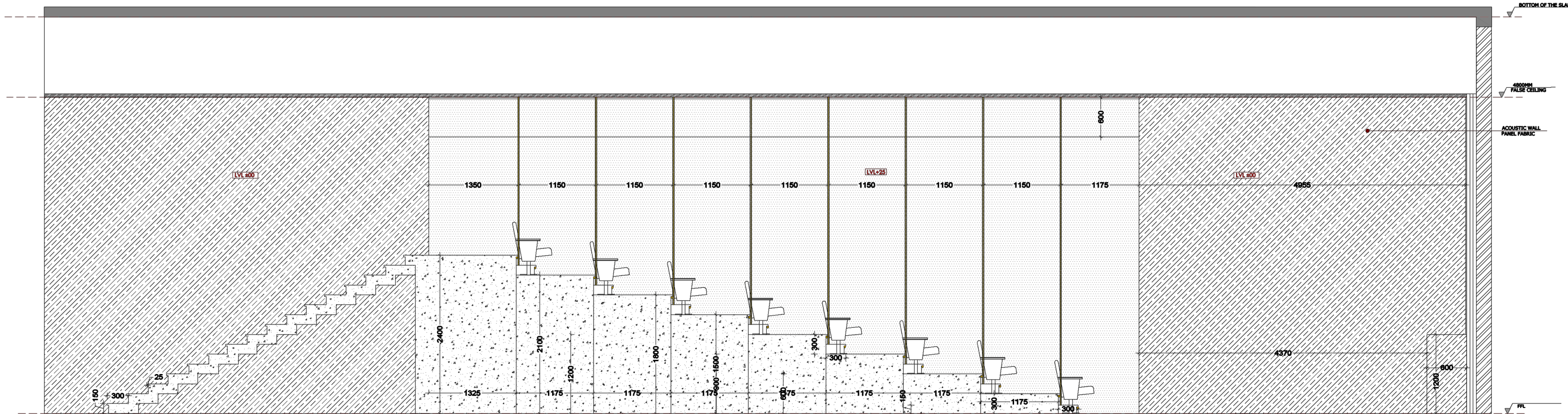
ELEVATION A



ELEVATION B



ELEVATION D



ELEVATION C

N.T.S

THESIS BY- SHIFA SAYEED

GUIDE -AR.ANKUR SAXENA



SIGN-

NOTE: ALL DIMENSIONS ARE IN MM