THE EMERALD ROOM- LUXURY DINING RESTAURANT
(Project 2: AI-aided Design Project)

SELECTION RATIONALE:

I opted for Restaurant design due to its public-facing and concept-driven nature. This typology challenges me to create immersive environments that enhance brand identity while catering to diverse users, including customers, staff, and service personnel.

PROJECT INTENT:

- Designing a welcoming, functional, and visually engaging spactial experience
- Ensuring efficient circulation, durability, and operational efficiency.
- Balancing strong aesthetic expression with practical business and user experience requirements.

PROJECT OVERVIEW:

This project presents the design of a *luxury restaurant that merges the elegance of Art Deco with the vibrancy of tropical aesthetics.* It focuses on creating an immersive dining environment through bold geometry, rich materials, statement decor pieces, and layered lighting. The spatial layout is planned to ensure smooth functioning while delivering a visually opulent yet welcoming guest experience. The design aims to balance timeless sophistication with contemporary hospitality trends.

SITE ANALYSIS:

SITE LOCATION

Kalkaji, South East Delhi, Delhi-110019

SITE CONTEXT:

Plot Size: 1800 sq. ft.

The site is located in a vibrant commercial–residential neighbourhood with high pedestrian activity, making it suitable for a public hospitality space.

Located on a popular road with high-footfall and traffic requires a stilt parking on site to allow ease of access and adherence to MCD building norms.

ENVIRONMENTAL ANALYSIS:

The site benefits from ample daylight exposure and urban ventilation patterns, influencing glazing strategy, material selection, and thermal comfort planning.

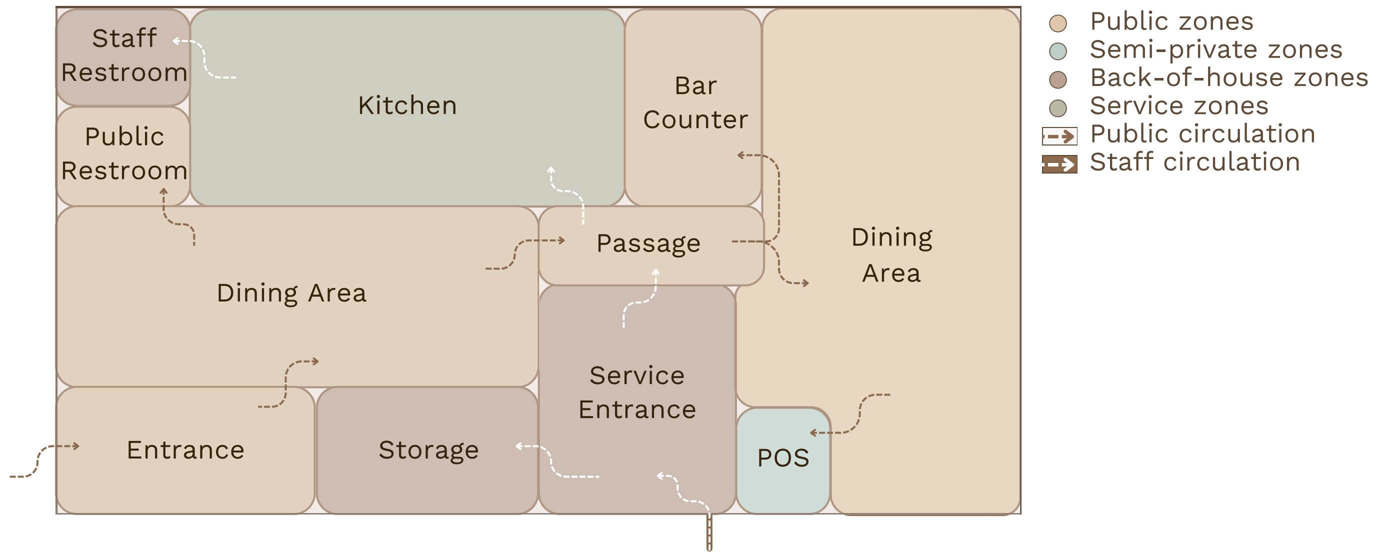
Solar orientation informed zoning and shading strategies to reduce heat gain while maximizing balanced daylight within primary dining zones.

DESIGN RESPONSE:

- Efficient spatial zoning and layout to enhance operations.
- Ergonomic seating layout and smooth circulation for a premium guest experience.
- Use of premium materials, finishes, and lighting to enhance ambience, control heat gain & reduce noise.
- Adherence to functional, safety, and accessibility standards as well as Vastu compliance.
- On-site parking for minimum 4 ECS and a separate service entrance for staff and service personnel.
- Visually cohesive interiors reflecting luxury and comfort.

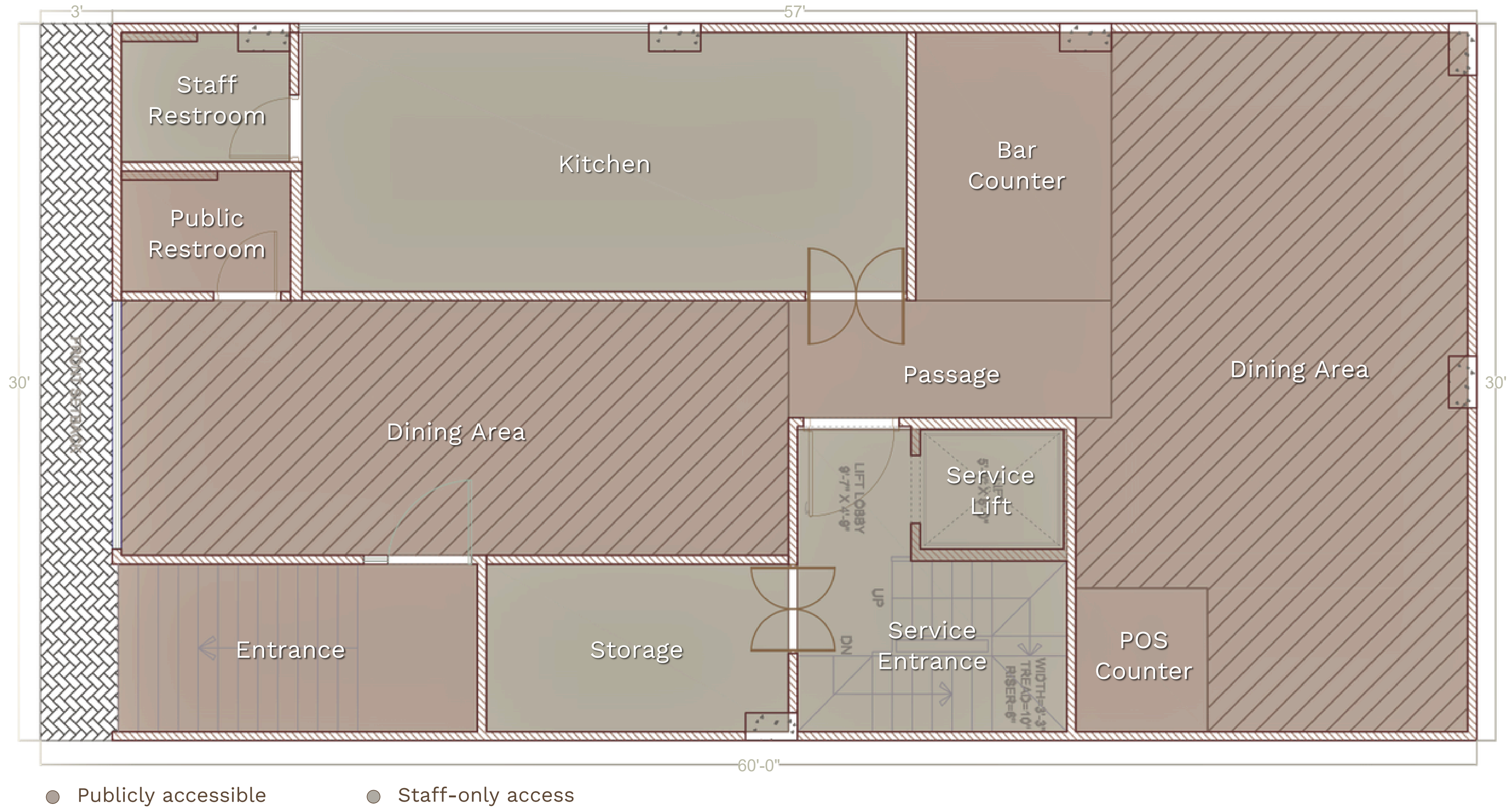
ZONING AND PLANS

BUBBLE DIAGRAM



The bubble diagram illustrates spatial relationships, adjacency planning, and hierarchy between public, semi-private, private, and service areas, which was finalized in accordance with Vastu guidelines. This process guided the development of an intuitive layout balancing guest experience with staff workflow efficiency.

ZONING LAYOUT

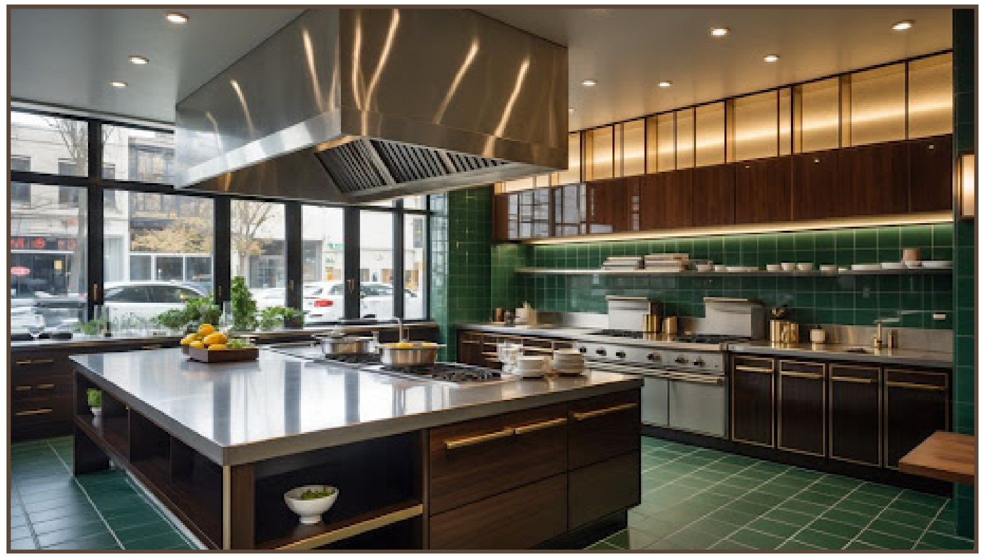


AREA REQUIREMENTS

SPACE / FUNCTION	ALLOTTED SIZE
Entrance/Waiting Area	90 sq.ft.
Service Counter	125 sq.ft.
Dining Area	720 sq.ft.
Kitchen	360 sq.ft.
Bar Counter	90 sq.ft.
Restrooms	110 sq.ft.
Storage	125 sq.ft.
Circulation/Walls	180 sq.ft.

CONCEPT IDEATION

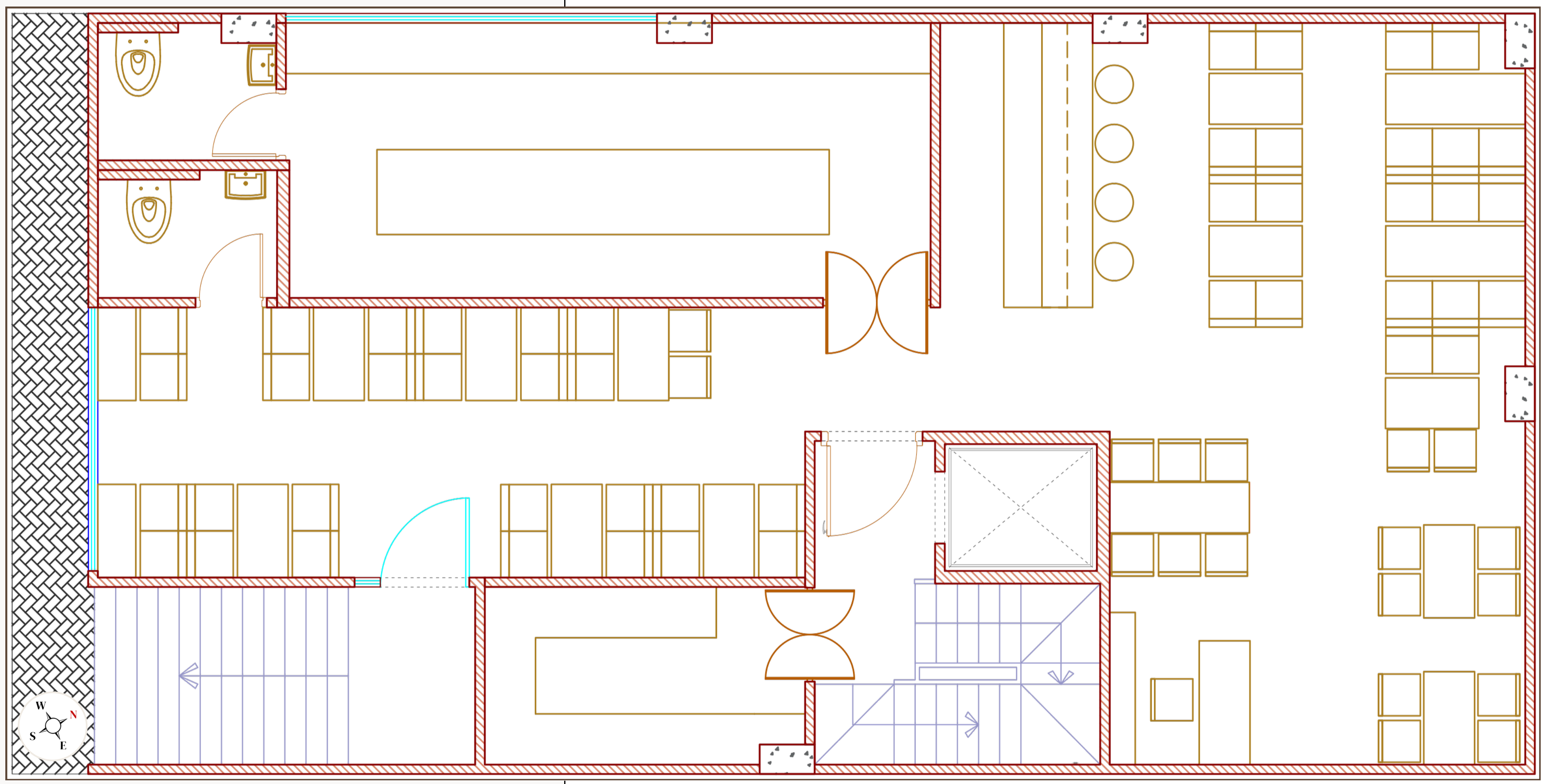
AI Image generation tools were used to generate concept images for different zones of the project, in accordance with the selected theme- "Tropical Art Deco Luxe". Materials, finishes, color palette, and function were clearly specified in the prompts to get desrired outputs.



FURNITURE PLAN

The furniture layout illustrates the placement of custom-designed dining furniture tailored to the spatial character and aesthetic language of the restaurant. Each element is developed to maintain visual cohesion while ensuring optimal ergonomic comfort and usability for users.

FURNITURE LAYOUT



3D MODEL DEVELOPMENT OVERVIEW

Perspective view of the front elevation

Overview of the complete spatial model from the rear end showing circulation, furniture layout, statement lighting, decor pieces and material composition.

FINAL RENDERS

The spatial model developed in SketchUp was rendered in Twinmotion to achieve realistic materiality, refined surface finishes, and immersive lighting effects. The real-time rendering process enhanced visual depth through accurate reflections, shadows, and atmospheric detailing, bringing the design concept to life.


The
Emerald
Room