

COMPETITIONS PORTFOLIO

AR. SOMITRA BHARDWAJ | AR. JYOTI SAXENA



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JAIPUR RUGS COMPETITION



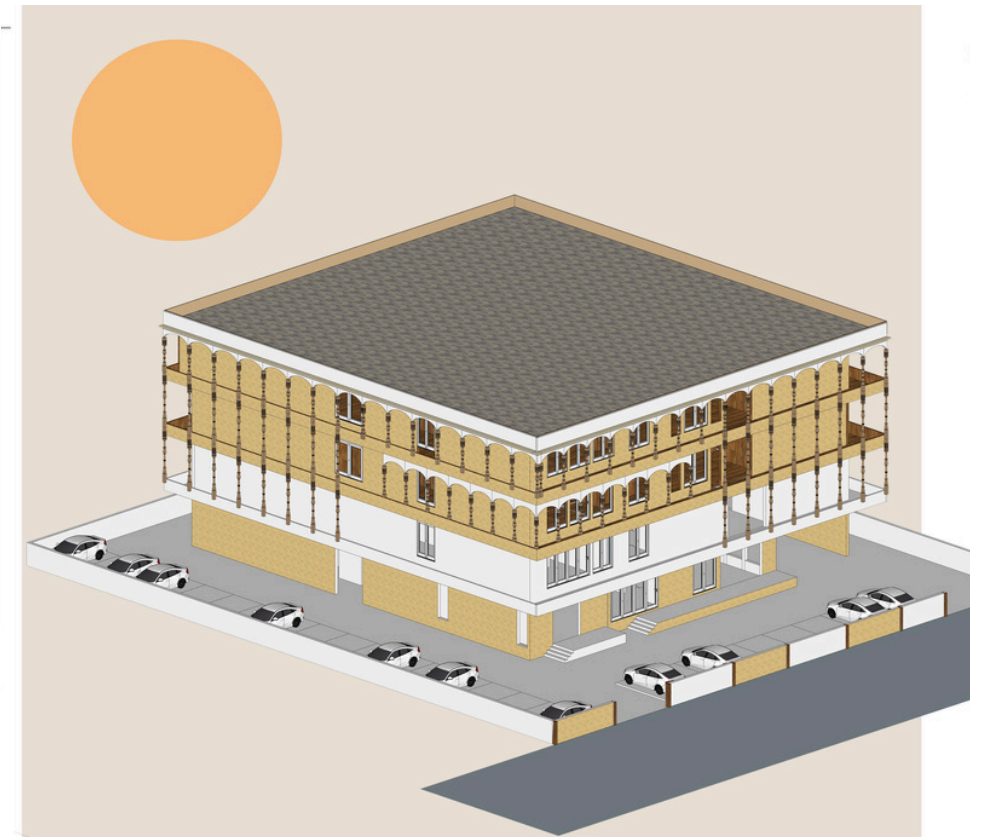
02

NHB DESIGN COMPETITION



03

UTSAV BHAWAN & ROUND ABOUT





***END PART OF EXHIBITION**



INTRODUCTION

RUGS USED:

- Manchaha:** A unique collection of rugs designed by artisans, often showcasing individual creativity.
- Vintage:** Jaipur Rugs offers a selection of vintage rugs, adding a touch of history and character to any space.
- Contemporary and Traditional:** Jaipur Rugs caters to a wide range of design preferences, offering both modern and classic styles.

By Region:

- Dhurries:** Flatwoven rugs, often made of cotton, are a traditional Indian rug style.
- Kashmiri Rugs:** Known for their intricate embroidery and designs.
- Agra Rugs:** Another style of Indian rug, often featuring detailed patterns.



**FLOORING &
WALL ELEVATION**

**FLOORING &
WALL ELEVATION**



Here's how Rajasthani rugs contribute to women's empowerment:

- **Economic Independence:**
Jaipur Rug employs a predominantly female workforce, with 80% of their 40,000 artisans being women. This provides them with a steady income, ranging from INR 10,000 to 20,000 per month depending on their skills.
- **Skills Development:**
Jaipur Rugs Foundation offers training programs in rug weaving, entrepreneurship, and leadership, empowering women with valuable skills.
- **Creative Expression:**
The "manchaha" style, where women weavers create their own designs, allows for artistic freedom and expression, fostering a sense of ownership and creativity.
- **Social Well-being:**
The Jaipur Rugs Foundation focuses on both the economic and social well-being of women through field interventions and community building, promoting social development alongside economic empowerment.
- **Challenging Gender Norms:**
By providing women with opportunities for income generation and leadership roles, Rajasthani rug weaving initiatives challenge traditional gender roles and promote greater gender equality within communities.
- **Sustainable Livelihoods:**
The focus on traditional crafts and sustainable practices ensures that the livelihoods of women are not only economically viable but also environmentally conscious.



- **Attention-grabbing**
- **Emotional impact:**
 - **Action-oriented:**
 - **Energy and excitement:**

color is symbolic with women empowerment.

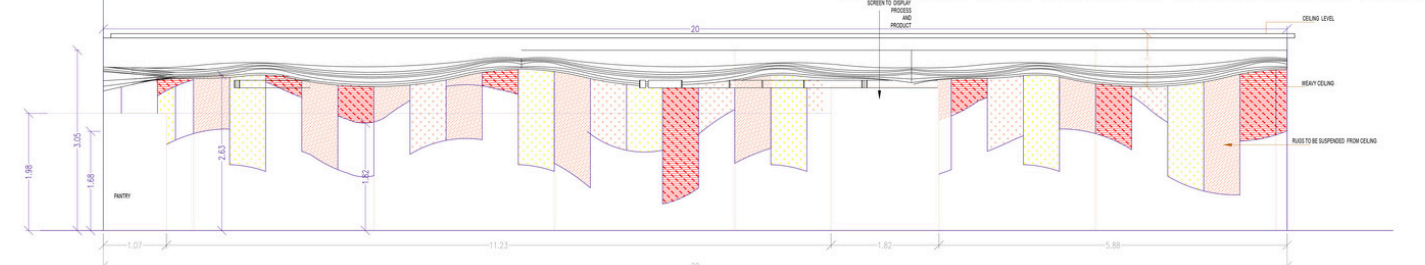
shades of red are associated with various concepts, scarlet is a specific red hue often linked to victory and triumph.vibrant red with a touch of orange, conveying energy and excitement, which can be associated with a winning spirit. Other shades like crimson, and even a strong, saturated red, can also be linked to victory, power, and dominance.



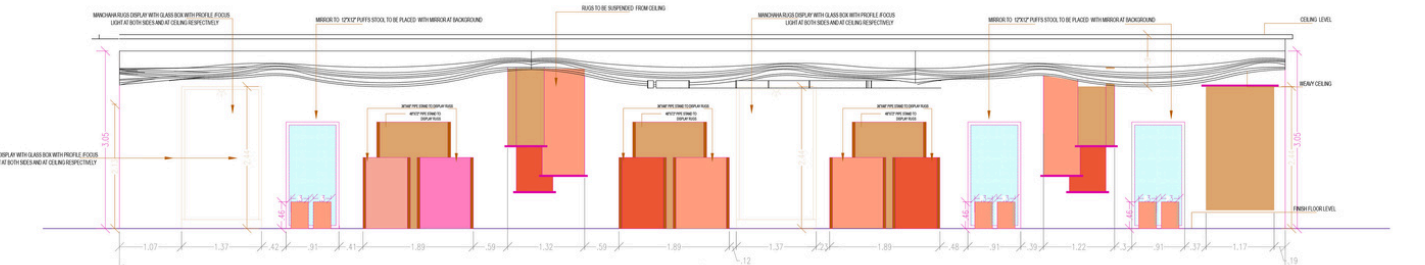
***PANTRY & HANGING RUGS AREA**



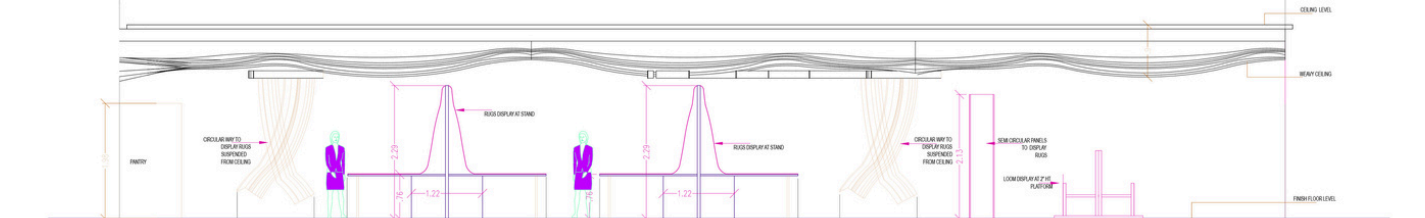
***HANGING JAIPUR RUGS & SCREENING AREA**



RUGS TO BE HUNG FROM CEILING IN WAVY PATTERN ON THE EITHER SIDE OF 20 MT
ELEVATION FROM LEFT SIDE



WALL ELEVATION OF DISPLAY MEDIUMS AT ±00 LEVEL FROM EDGE
ELEVATION FROM RIGHT SIDE

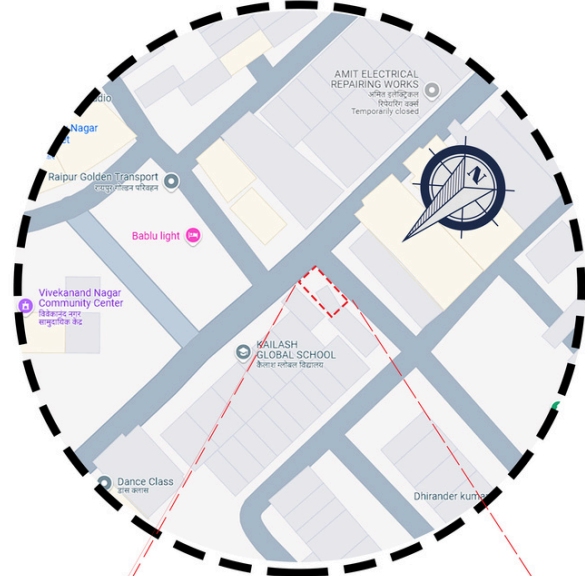


WALL ELEVATION OF DISPLAY MEDIUMS AT +3'-6" LEVEL FROM EDGE

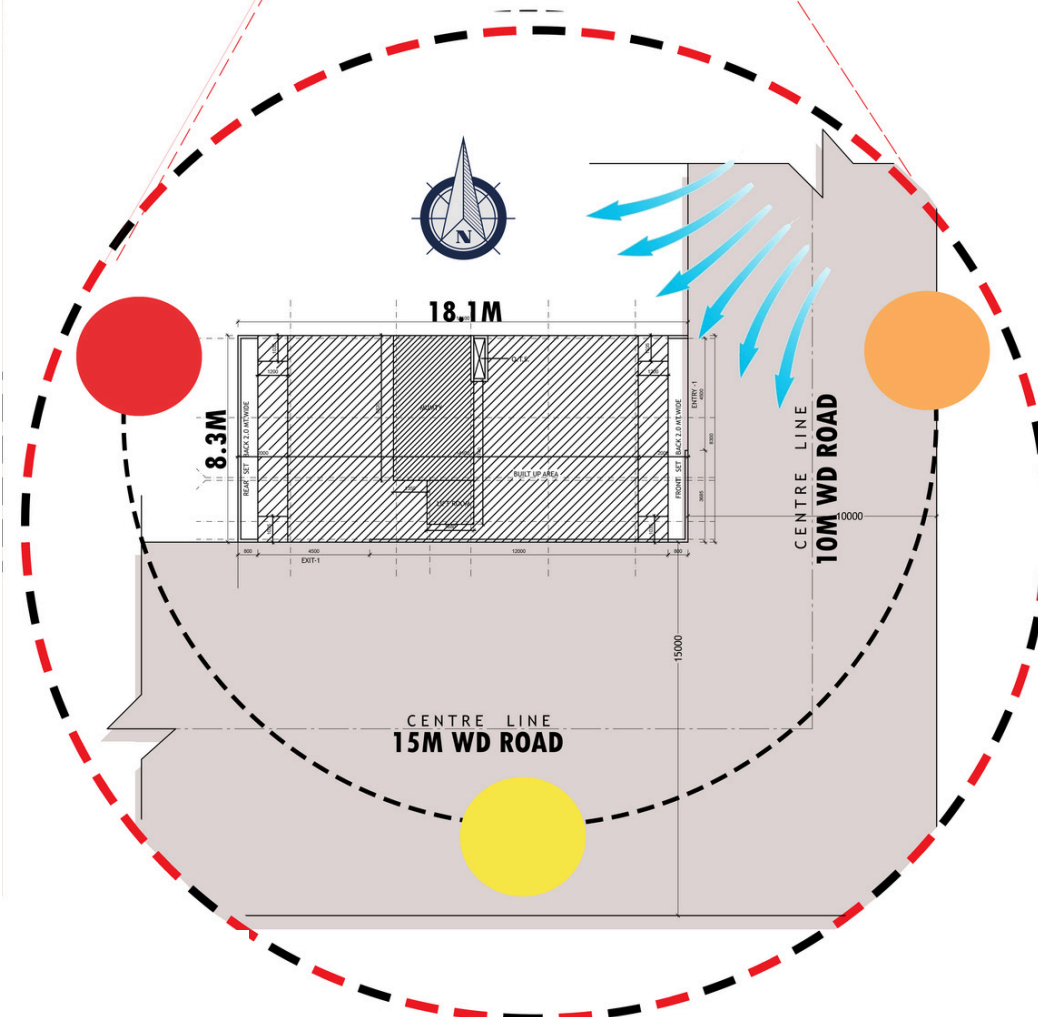
ELEVATION FROM LEFT SIDE



NHB DESIGN COMPETITION



LOCATION PLAN
SECTOR -17, BLOCK-A,
NEAR GAZIABAD RTO

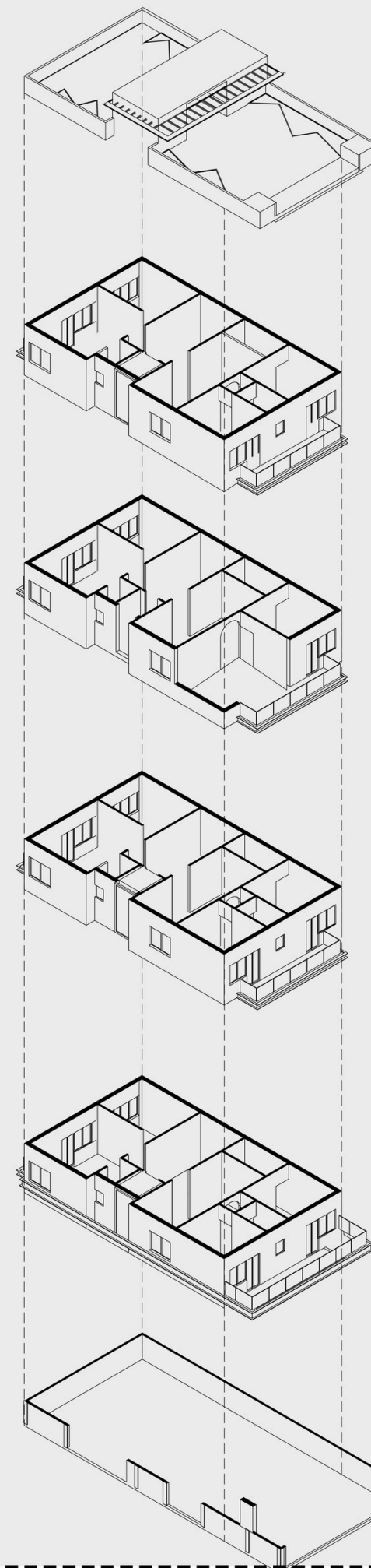


SITE PLAN



NEARBY IMAGES

HOUSING FOR LIG & MIG



TERRACE FLOOR PLAN

TERRACE GARDEN
AND PLAY AREA

FOURTH FLOOR PLAN

1BHK + 2BHK

THIRD FLOOR PLAN

2BHK + 3BHK -DUPLEX

SECOND FLOOR PLAN

2BHK + 3BHK -DUPLEX

FIRST FLOOR PLAN

1BHK + 2BHK

STILT FLOOR PLAN



FRONT ELEVATION, SIDE ELEVATION
AND ROAD SIDE VIEW



TERRACE FLOOR PLAN

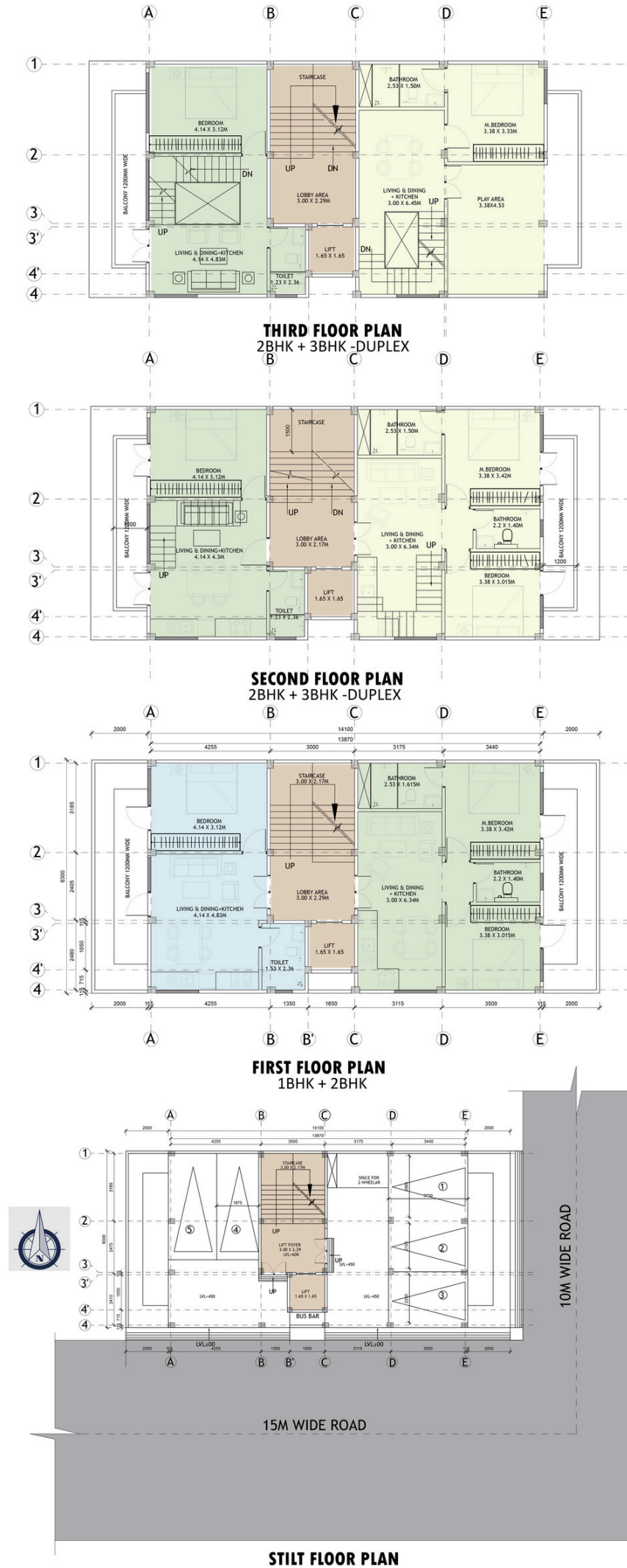


FOURTH FLOOR PLAN
1BHK + 2BHK

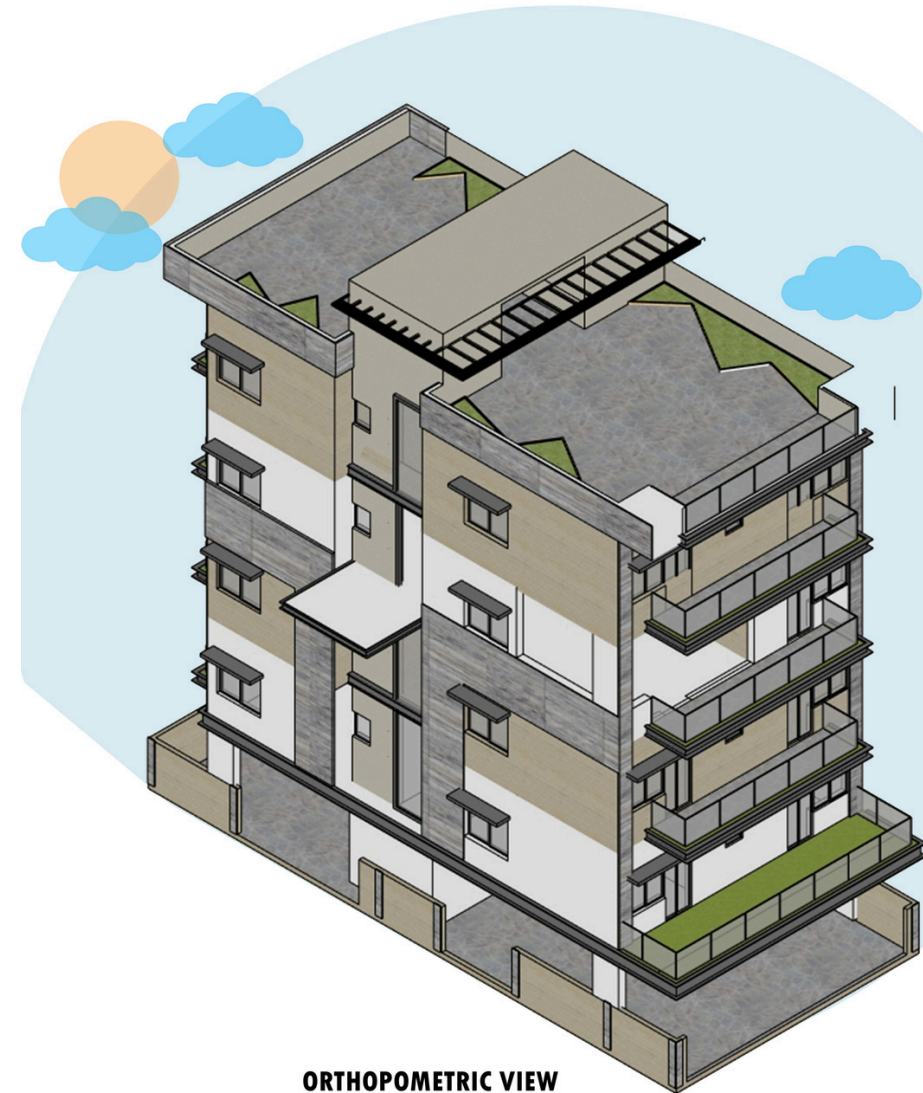
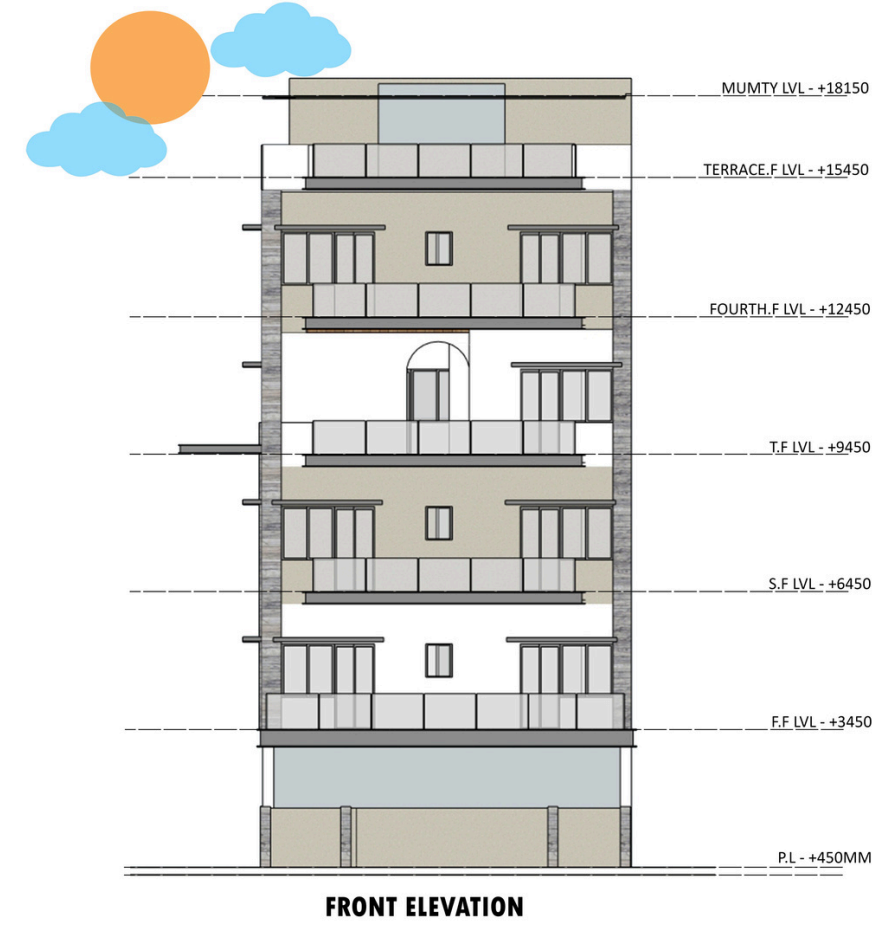
- 1BHK
- 2BHK & 2BHK -DUPLEX
- 3BHK -DUPLEX



NHB DESIGN COMPETITION



HOUSING FOR LIG & MIG



CONCLUSION

This thoughtfully designed 3BHK residence is curated for a contemporary, urban family comprising three generations—a retired officer (the patriarch), his son and daughter-in-law engaged in corporate professions, and their adolescent son, a student and music aficionado. The architectural language responds sensitively to the diverse routines, preferences, and emotional needs of each member, establishing a residence that is both dynamic and serene.

Spatial Philosophy & Zoning Logic

The spatial arrangement follows a vertical zoning strategy that distinctly separates private, semi-private, and formal domains.

- **Lower Level:** Anchored by informal living spaces, this level integrates the bedrooms of the elderly and the teenager along with an open-plan kitchen and dining area for seamless interaction and accessibility.
- **Upper Level:** Dedicated to the couple, this level offers privacy, composure, and an architectural pause from the rhythm of daily life.

Design Detailing & User-Centric Interventions

Bedroom for the Head of the Family

Positioned at the entry level, the senior-most member's suite is designed for dignity, comfort, and independence.

- A private balcony allows for contemplative morning routines, particularly newspaper reading.
- Interiors are curated in a natural, earthy palette to evoke calm and familiarity.
- Wooden flooring ensures warmth and slip resistance, while the ensuite features textured, anti-skid flooring, non-slip mats, and strategically placed grab bars to enhance safety. Lighting design has been meticulously addressed to prevent shadows and disorientation.

Teenager's Bedroom

Adjacent to the elder's suite, the Kids room is designed to inspire creativity and growth.

- Oversized windows usher in ample daylight, creating a bright, expansive feel.
- A vibrant selection of wall art and feature finishes adds youthful character while promoting spatial individuality.
- The room serves both as a personal sanctuary and a stimulating study environment.

Kitchen & Dining Ensemble

The open kitchen layout, situated on the same level, allows for fluid circulation between culinary and dining zones.

- Designed for operational ease, especially for senior family members.
- Ensures constant visual connectivity with the family—reinforcing the spirit of shared domesticity.

Master Suite & Upper Retreat

Located on the upper floor, the master bedroom offers refined spatial isolation for the working couple.

- Interiors reflect a balance between aesthetic sensibility and comfort, aligning with the daughter-in-law's passion for home curation.
- This level exudes a formal tone, allowing the couple to retreat into a private sphere without disconnecting from the rest of the household.

Terrace Garden – A Sanctuary Above

A bespoke terrace has been envisioned as a rejuvenation zone—an open-air extension of the couple's affection for nature and music.

- Landscaped with subtle interventions to support leisure, reflection, and evening unwinding.
- Serves as a green buffer that elevates the residential experience, both literally and metaphorically.

Materiality & Color Strategy

- A palette dominated by muted earthy tones and natural textures reinforces a connection to nature and enhances psychological comfort.
- Materials have been selected not only for their visual appeal but also for their tactile warmth, safety, and longevity, aligning with the family's intergenerational requirements.

Conclusion

This residence is not merely a structure—it is a layered experience. Designed with empathy and precision, it offers a responsive living environment where aesthetics, accessibility, and identity coexist. The architecture reflects the family's evolving narratives, aspirations, and the graceful choreography of their everyday lives.





UTSAV BHAWAN & ROUNDABOUT

Facts & Figures

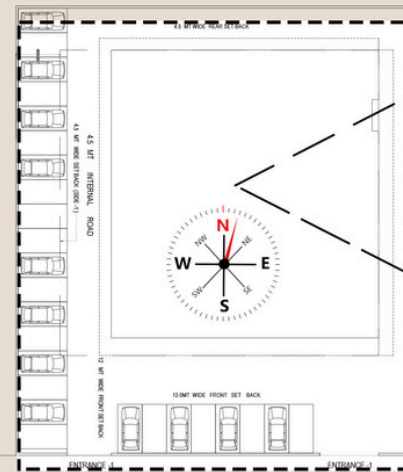
Utasav bhawan Plot area:- 1840 sq.m (40.07m X 45.92m)
Approach road :- 12m
permissible FSI/FAR :- 2
Approximate cost :- inr 15crores



*NITIN HOSPITAL



*12M WD ROAD FRONT



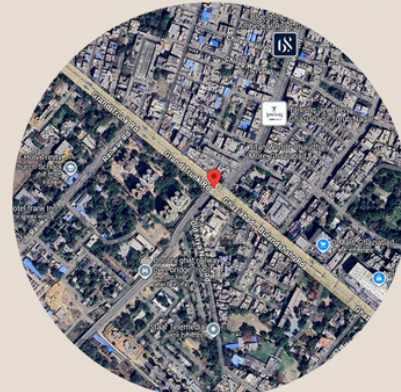
*THE SITE

12M WIDE ROAD

THE SITE

Roundabout/junctions

* CHOUDHARY MODE - GT ROAD 28.655862, 77.433574

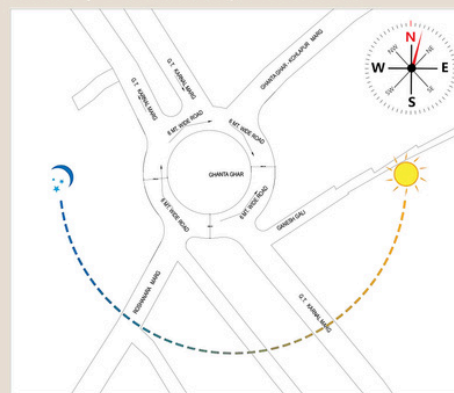
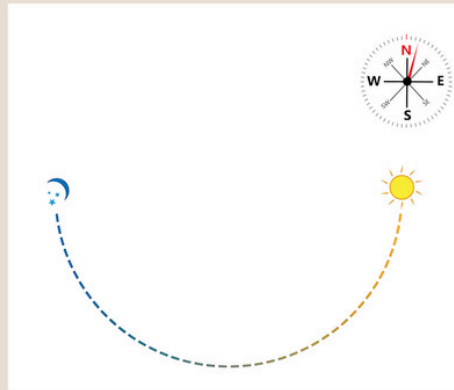


EXISTING SITE

* GHANTA GHAR (CLOCK TOWER JUNCTION)- 28.660396, 77.427188



EXISTING SITE

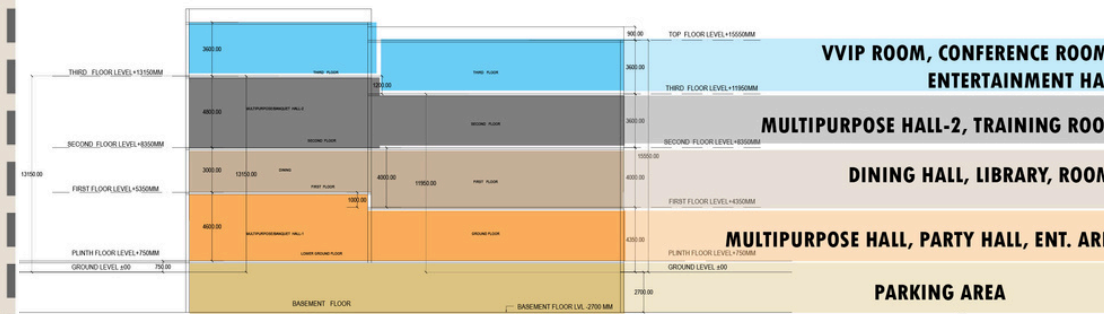


*SUN-PATH DIAGRAM

COLORS & ELEMENTS



USTAV BHAWAN ZONING



*ZONING SECTION

ROUNDABOUT/JUNCTIONS

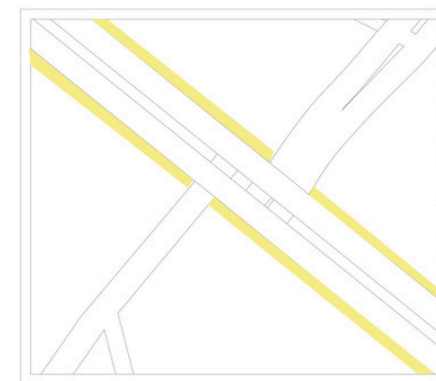
CHOUDHARY MODE

THREADS

- *SAFETY
- *VISIBILITY
- *PEDESTRAIN AND CYCLIST
- *ROAD GEOMETRY

Performance Parameters

- **Delay:** To measure the performance of a roundabout.
- **Entry Capacity:** the maximum traffic inflow from an entry to a roundabout when the traffic flow at that entry is sufficient
- **Geometric Delay**
- **Level of Service (LoS):** Level of service offers the qualitative traffic flow condition at roundabout, i.e. free flow, stable flow.
- **Queuing Delay:** Queuing delay is the delay caused due to waiting of vehicles to accept a gap in the circulating path.



CHOUDARY MODE WEAKNESS



EXISTING SITE

UNAUTHORISED KIOSK

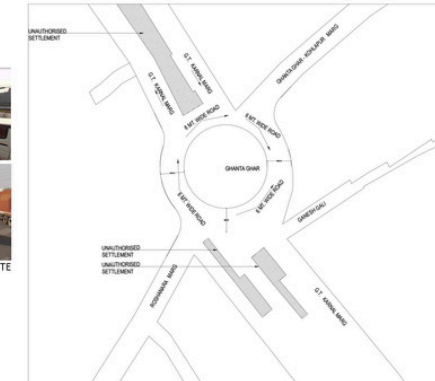
GHANTA GHAR

THREADS

- *PEDESTRAIN AND CYCLIST
- *ROAD GEOMETRY
- *Barriers to approach Roundabout
- *Circulatory Carriageway
- *Circulating Path Radius
- *Exit Angle

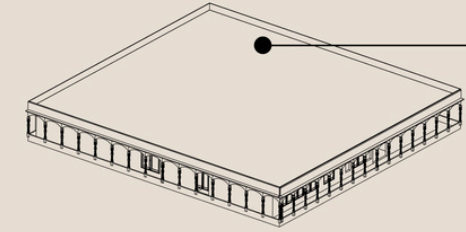
Ideal situation for roundabout

Roundabout
1. Smaller in Size
2. Works on gap acceptance and "priority from rule" is vital for effective function
3. Maintain relatively low speeds (<40 kmph)
4. No pedestrian activity on central island
5. Large entry angle helps to create entry deflection to control speed through the roundabout
6. Inscribed Circle Diameter (ICD) • Single lane (28-40 m) • Double lane (40-70 m)



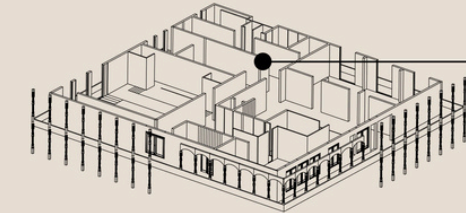
GHANTA GHAR WEAKNESS

UTSAV BHAWAN ISOMETRIC VIEW



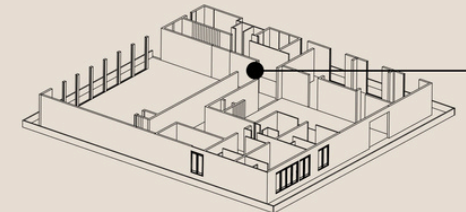
THIRD FLOOR PLAN

VVIP ROOMS
CONFERENCE ROOM
ENTERTAINMENT HALL



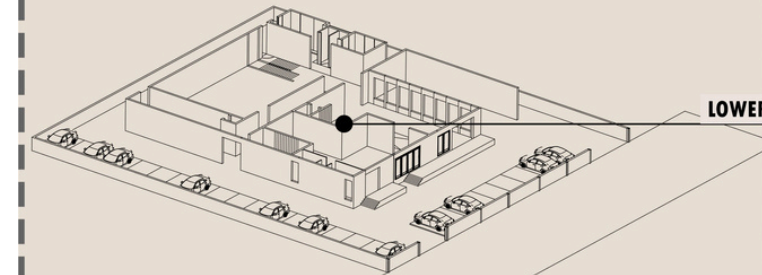
SECOND FLOOR PLAN

MULTIPURPOSE HALL -02
CONFERENCE HALL
TRAINING HALLS
COMMON TOILETS



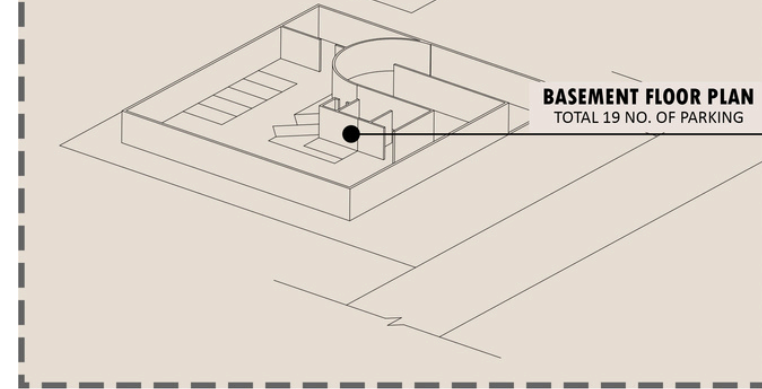
FIRST FLOOR PLAN

DINING HALL
LIBRARY
ROOM01-04
COMMON TOILET



LOWER GROUND FLOOR PLAN

MULTIPURPOSE HALL-01
PARTY HALL + DINING AREA
COMMON TOILETS
ENTRANCE LOBBY AREA

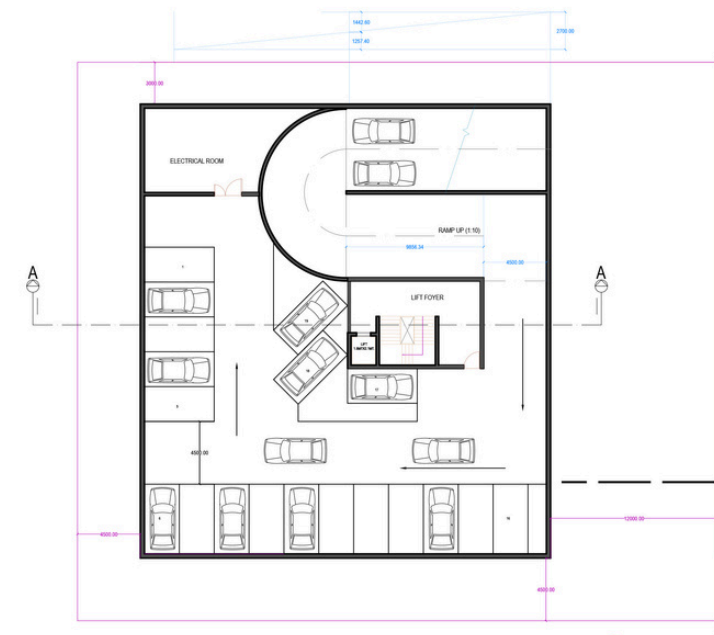
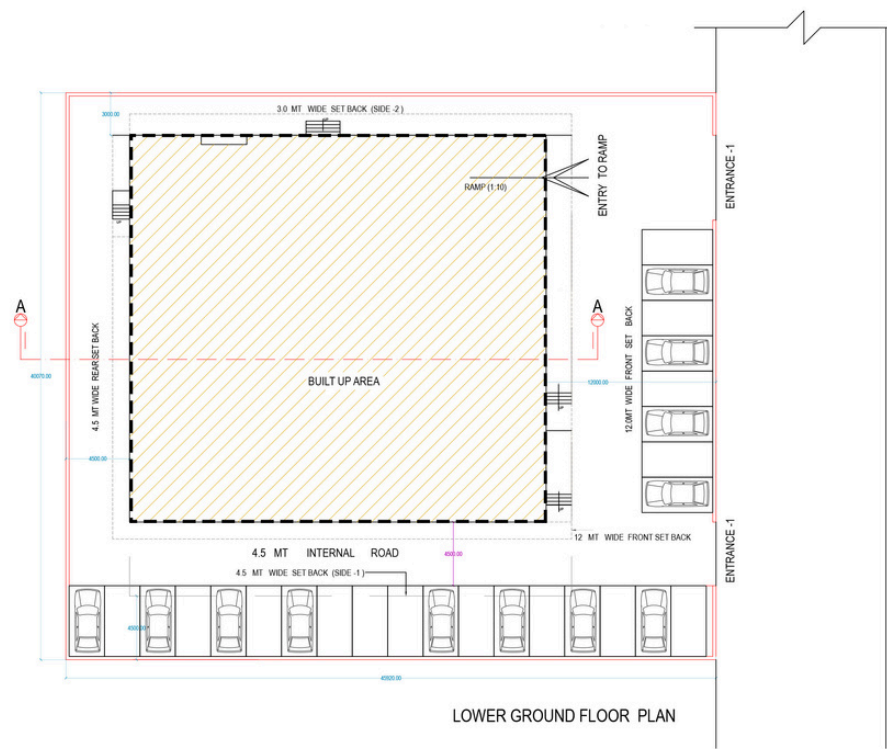


BASEMENT FLOOR PLAN
TOTAL 19 NO. OF PARKING

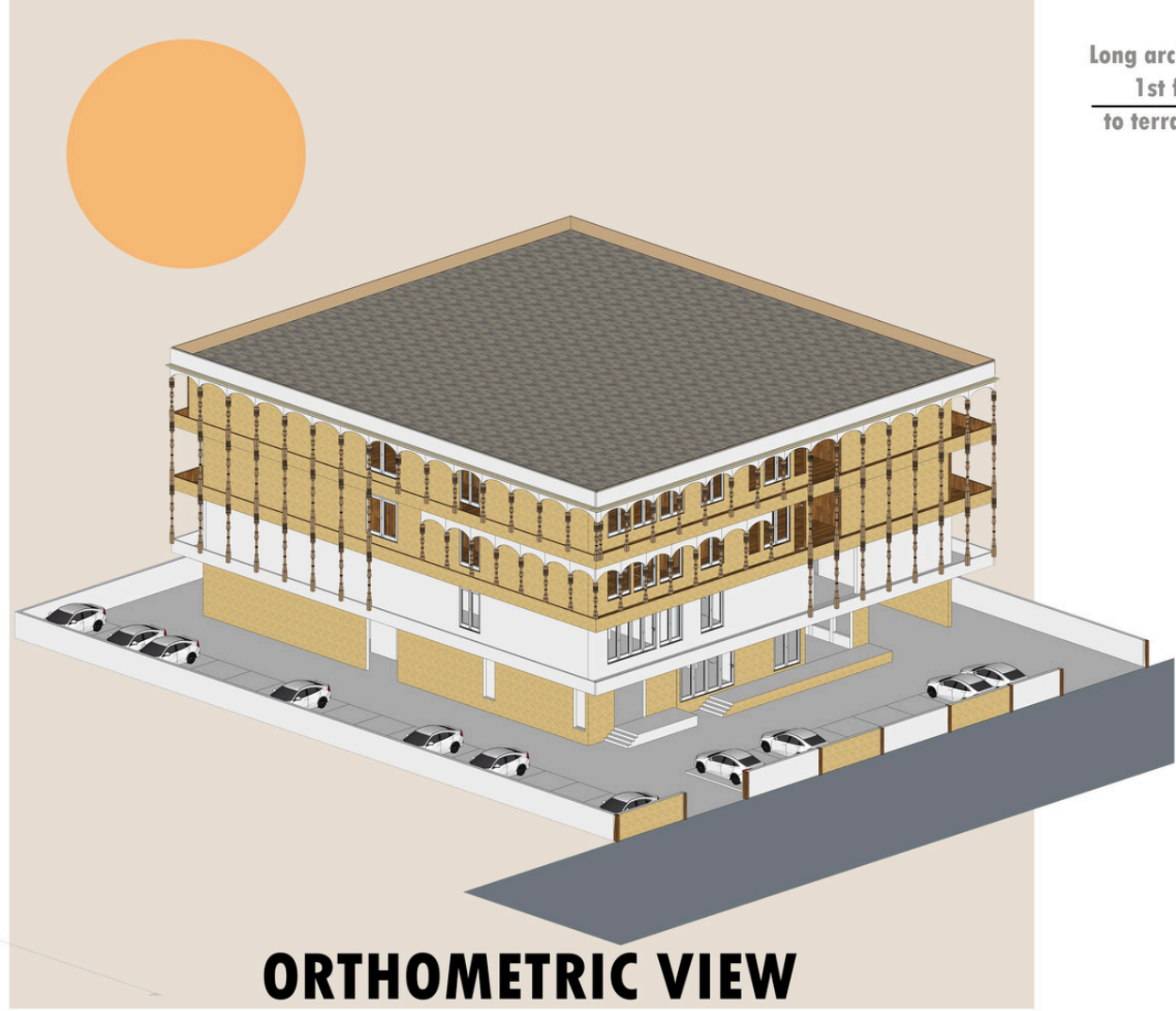


UTSAV BHAWAN & ROUNDABOUT

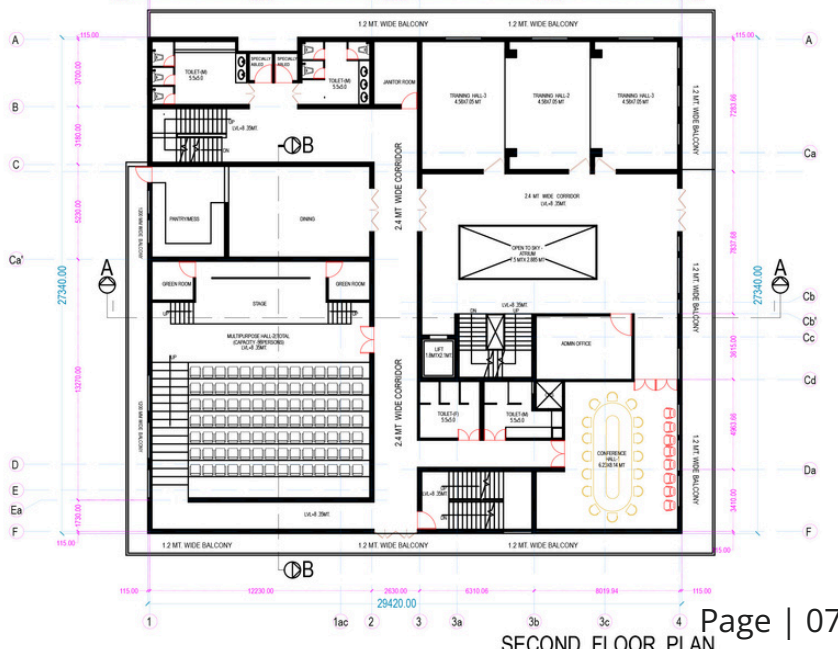
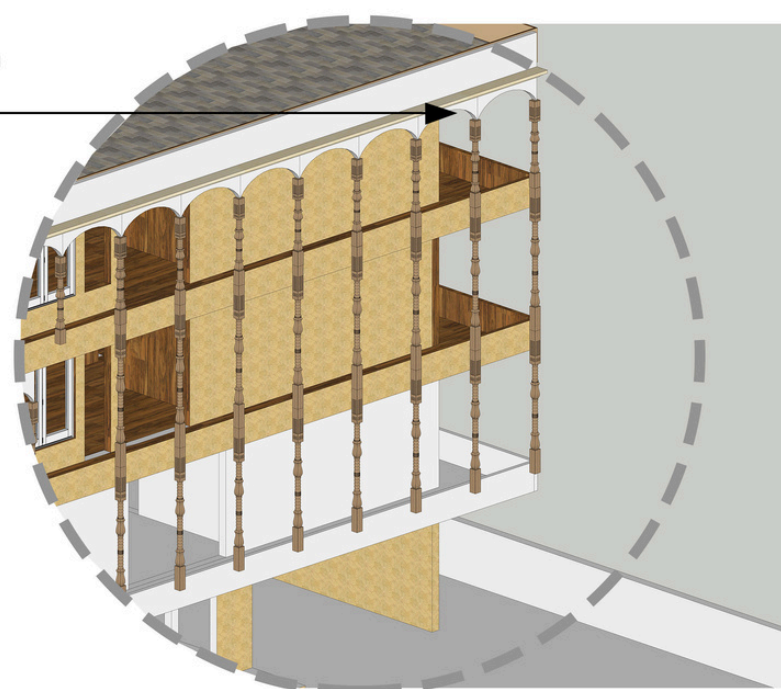
PROPOSED UTSAV BHAWAN FOR GDA.			
SNO	DESCRIPTION	AREA	UNIT
1	PLOT AREA (40.07X45.92)	1840	SQMT
2	FRONT SET BACK	12 MT	
3	REAR SET BACK	3 MT	
4	SIDE SET BACK-1	3 MT	
5	SIDE SET BACK-2	4.5 MT	
6	FAR	2	
7	TOTAL BUILT UP AREA	1840X2=3680	SQMT
8	GROUND COVERAGE	801.68	SQMT
9	AREA OF FIRST FLOOR	801.68	SQMT
10	AREA OF SECOND FLOOR	801.68	SQMT
11	AREA OF THIRD FLOOR	801.68	SQMT
12	TERRACE FLOOR	428	SQMT
13	TOTAL BUILT UP AREA	3634.72	SQMT



Total surface parking:- 26
mechanical parking:- 18
Basement parking:- 19
Total parking:- 63



Long arches from
1st floor
to terrace level





ABOUT US

JYOTI SAXENA IS THE PRINCIPAL ARCHITECT AT **KUTUMB ARCHITECTS**. A FIRM THAT SPECIALIZES IN CREATING SUSTAINABLE AND FUNCTIONAL SPACES SHE HAS AN EXTENSIVE BACKGROUND IN ARCHITECTURE, HAVING HELD VARIOUS POSITIONS THROUGHOUT HER CAREER, INCLUDING SENIOR ARCHITECT AT DESIGN CONSULTANTS PVT. LTD., ASSISTANT ARCHITECT AT AMBUJ NAYAR ARCHITECTS PVT.LTD., AND DESIGN EXECUTIVE AT GODREJ & BOYCLE MFG.CO.LTD.

HER APPROACH TO DESIGN IS ROOTED IN THE PHILOSOPHY OF CREATING SUSTAINABLE HABITATS THAT WORK IN HARMONY WITH NATURE.

IN HER CURRENT ROLE, SHE MANAGES A WIDE ARRAY OF PROJECTS, FROM RESIDENTIAL AND COMMERCIAL TO HOSPITALITY AND INSTITUTIONAL DESIGNS. HER RESPONSIBILITIES INCLUDE CLIENT COORDINATION. CONCEPT DEVELOPMENT, AND COLLABORATION WITH A NETWORK OF CONSULTANTS AND VENDORS TO ENSURE PROJECTS ARE EXECUTED SMOOTHLY FROM START TO FINISH.



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SWASTIK ARCHITECTS IS A DESIGN-DRIVEN ARCHITECTURAL AND INTERIOR DESIGN FIRM COMMITTED TO CREATING SPACES THAT SEAMLESSLY BLEND FUNCTIONALITY, INNOVATION, AND AESTHETICS. FOUNDED AND LED BY VISIONARY ARCHITECT **SOMITRA BHARDWAJ** **THE PRACTICE SPECIALIZES IN RESIDENTIAL, COMMERCIAL, INSTITUTIONAL, AND URBAN PROJECTS, DELIVERING CONTEXT-SENSITIVE AND SUSTAINABLE SOLUTIONS.**

WITH A PHILOSOPHY ROOTED IN CREATIVITY, PRECISION, AND CLIENT-CENTRIC DESIGN, SWASTIK ARCHITECTS BRINGS TOGETHER MODERN TECHNOLOGIES WITH TIMELESS DESIGN PRINCIPLES. THE FIRM'S APPROACH EMPHASIZES COLLABORATIVE PLANNING, ATTENTION TO DETAIL, AND A DEEP UNDERSTANDING OF SPATIAL HARMONY.



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THANK YOU

