Participant Information

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Title:
SAANJH

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Affidavit Declaration:
I hereby declare that I am over 18 years of age and currently studying at the above-mentioned university. I also declare that this competitive work was created during my academic period and not after my graduation.

Copyright Confirmation:
I hereby declare that I have all copyrights to the photos, visualizations, drawings, and other materials used in my project.

Award Category:
Architecture Category

Project Title:
SAANJH

Project Type:
Modern Premium Housing

Location:
Raisen road, Bhopal, Madhya Pradesh

Project Status:
Academic Design Proposal

Technical Information:

The project is a modern premium residential development planned on a large-scale housing site. The design incorporates RCC framed structures, efficient residential planning, landscape integration, community amenities, pedestrian and vehicular circulation, parking facilities, sustainable design strategies, natural ventilation, and daylight optimization. The project focuses on creating a balance between private living spaces and shared community areas.

Cooperating Authors:
Solo Project

Project Statement –

SAANJH

SAANJH is a modern premium housing development envisioned as a community-oriented residential environment that prioritizes comfort, connectivity, and quality of living. The project is based on the idea of creating a neighbourhood where individual residences come together to form a cohesive and interactive community. The name *SAANJH* (सांझ) represents "a moment of coming together," symbolizing warmth, connection, and shared experiences among residents.

The project focuses on achieving a balance between private living spaces and collective social areas. In today's rapidly growing urban environment, housing often becomes limited to individual units, reducing opportunities for interaction and community bonding. SAANJH addresses this challenge by integrating residential blocks with landscaped open spaces, recreational areas, and shared amenities that encourage social engagement while maintaining privacy.

The planning strategy revolves around creating a smooth transition between private, semi-private, and public spaces. Residential clusters are carefully arranged to provide a comfortable living environment with adequate natural light, ventilation, and visual connectivity. The design ensures efficient circulation through a clear separation of pedestrian and vehicular movement, creating safer and more user-friendly spaces.

Landscape plays an important role in the identity of SAANJH. Green areas, outdoor gathering spaces, and recreational zones are integrated throughout the site to enhance the connection between people and nature. These open spaces act as extensions of the residences, providing opportunities for relaxation, interaction, and community activities. The landscape planning also contributes to improving the microclimate and overall environmental comfort of the development.

The architectural language of the project reflects a contemporary approach through simple forms, functional planning, and modern material expression. The

design incorporates sustainable strategies such as maximizing daylight, promoting natural ventilation, reducing energy consumption, and creating a healthier environment for residents.

SAANJH aims to redefine premium housing by moving beyond the idea of luxury as only built form and instead focusing on experiences, relationships, and lifestyle. The project creates a balanced habitat where residents can enjoy personal comfort while being part of a connected community.

Through thoughtful planning, sustainable design principles, and a human-centric approach, SAANJH establishes a residential environment that celebrates togetherness, belonging, and modern living.

SITE PLAN
SCALE 1:500

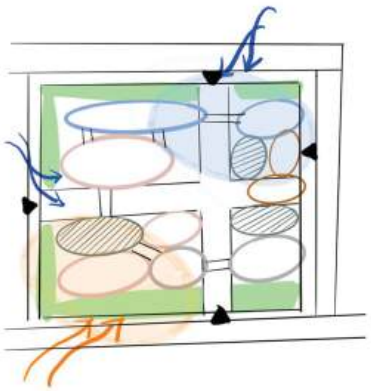
AREA PROGRAMMING

Site Area (sqm)	29,946 sqm	30,000 sqm
GC	30%	8,983.8 sqm
FAR	1.25	1.25
Total buildable (sqm)	37,432.5sqm	37,430sqm
Height Restriction (m)	30	30m

Housing	Area per Unit	% Share	Area (sqm)	No. of Units
EWS	45	9%	1080	24
LIG	60	6%	1800	30
2BHK	100	14.80%	5000	50
2.5 DUPLEX	120	13.33%	6000	50
3BHK (130)	130	16.63%	10400	80
3BHK (150)	150	20.23%	9000	60
4.5 DUPLEX	180	19.94%	3600	20
TOTAL		100%	36,880.00	314

AMENITY BLOCK	Function / Suggested Use	Approx. Area (m²)
Ground Floor	Reception, lobby, indoor games, café/lounge, administration, services	714
First Floor	Gym, yoga studio, multipurpose hall, activity rooms	714
Second Floor	Co-working, library, hobby rooms, banquet / community spaces	714
Total Built-Up Area	G+2 Amenities Block	2142 m²

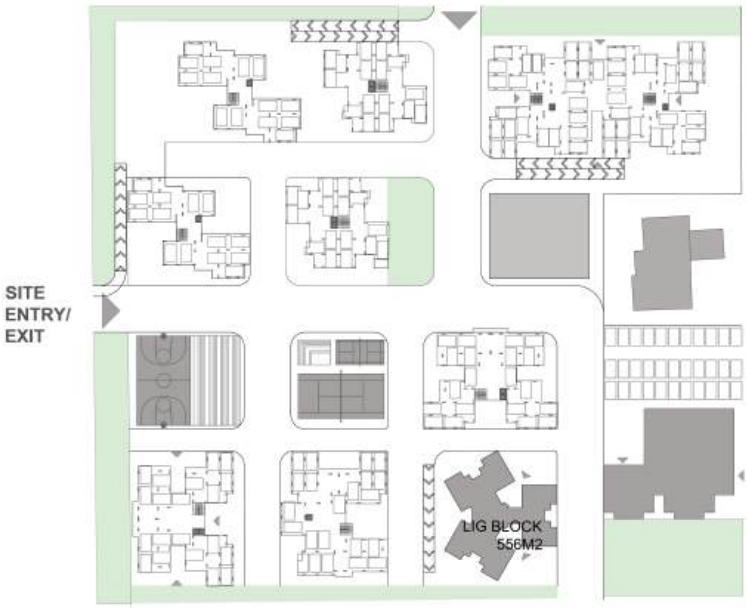
ZONING



SITE SECTION AA`
SCALE 1:500

SITE SECTION BB`
SCALE 1:500

SITE ENTRY/ EXIT



SITE PARKING PLAN
SCALE 1:500

Parking Type	Suggested %	ECS
Visitor Parking	10%	29 ECS
Service / Staff Parking	5%	15 ECS
Accessible Parking	Included within total ECS	As per NBC norms

Block Type	Unit Configuration	Total Units	Parking Norm	Required ECS
Block 1	45 m² residential units	24	0.5 ECS/unit	12 ECS
Block 2	60 m² residential units	30	1 ECS/unit	30 ECS
Block 3	2.5 BHK + 4.5 BHK Duplex	30	Avg. 1.5 ECS/unit	45 ECS
Block 4	Duplex + 3 BHK	30	Avg. 1.5 ECS/unit	45 ECS
Block 5	3 BHK (150 m² & 130 m²)	40	1.5 ECS/unit	60 ECS
Block 6	2 BHK + 2.5 BHK Duplex + 3 BHK	40	Avg. 1.25 ECS/unit	50 ECS
Block 7	2 BHK + 3 BHK	40	Avg. 1.25 ECS/unit	50 ECS
Total Required Parking				292 ECS

Recommended Total Parking Provision = 336 ECS
Required ECS: 292
Provided ECS: 336
Parking Provision: Basement + Stilt + Surface Parking

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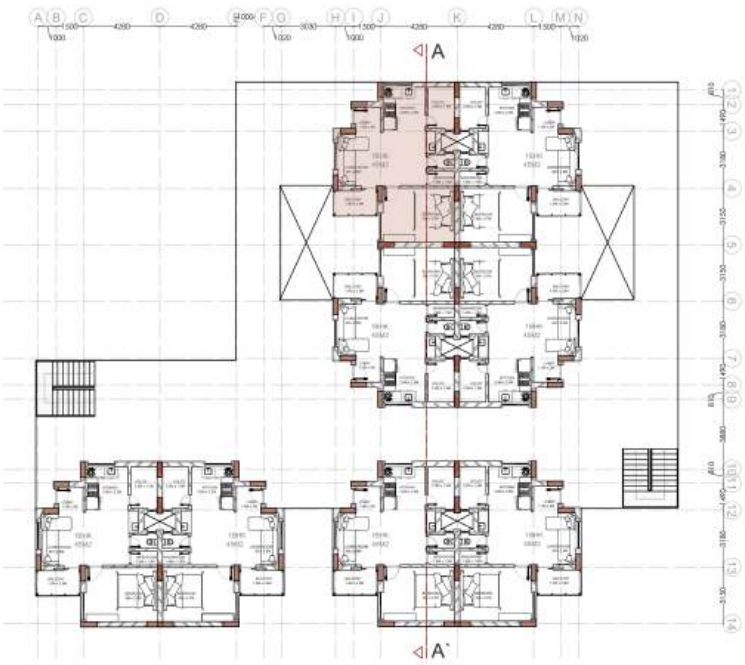
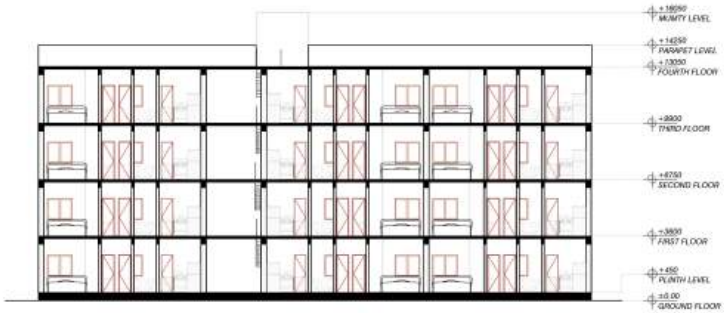
2023BARC044

REMARKS

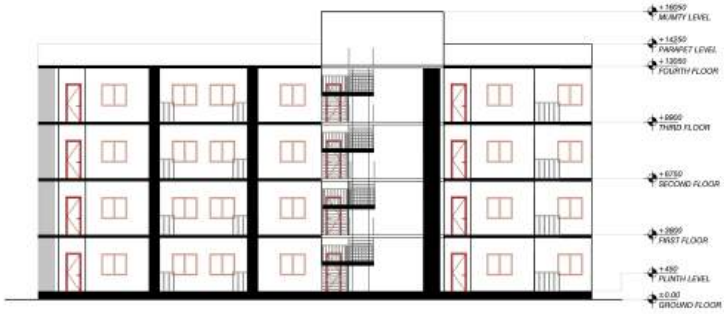
BLOCK 1 (EWS BLOCK)



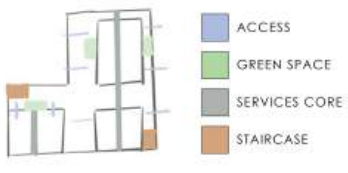
PLAN
PLAN AT 900MM
SCALE 1:100

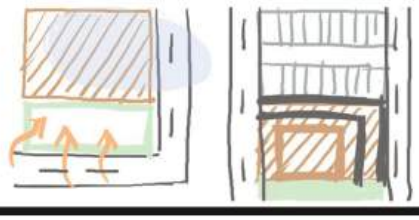


SECTION BB`
SCALE 1:100



ELEVATION B
SCALE 1:100





KEY PLAN
SCALE 1:1000

BLOCK 1

ALL BLOCKS

The balcony corridor view from Block 1 overlooks the temple and central communal space, creating a strong visual connection with the community core. The block is positioned near the main entry, allowing residents direct and convenient access to shared amenities and circulation areas. The north-aligned orientation of the highlighted buildings allows soft north-east daylight to enter the corridors and balconies during morning hours. This planning enhances natural lighting, thermal comfort, and the overall spatial experience for the residents.

PARAMETER	DETAILS
Block Footprint Area	866 m²
Typical Residential Unit Area	45 m² per unit
Number of Units per Floor	8 residential units
Total Number of Units	24 units per block
Typical Floor-to-Floor Height	3.0 m
Structural System	RCC shear wall structural system designed for enhanced lateral stability and seismic resistance

CONCEPTUAL 3D ISOMETRIC VIEW

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BLOCK 2 (LIG BLOCK)

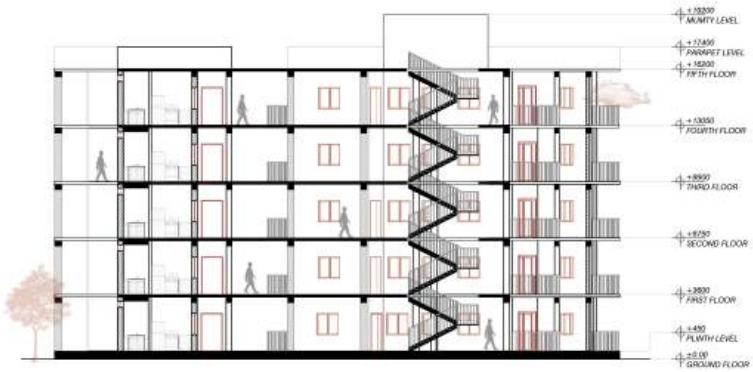
PLAN
PLAN AT 900MM
SCALE 1:100

KEY PLAN
SCALE 1:1000

BLOCK 2

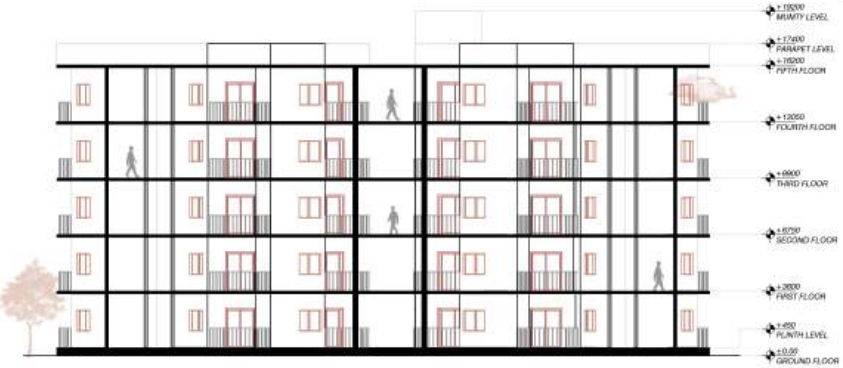
ALL BLOCKS

PARAMETER	DETAILS
Block Footprint Area	556 m^2
Typical Residential Unit Area	60 m^2 per unit
Number of Units per Floor	6 residential units
Total Number of Units	30 units per block
Typical Floor-to-Floor Height	3.0 m
Structural System	RCC shear wall structural system designed for enhanced lateral stability and seismic resistance



SECTION BB`
SCALE 1:100

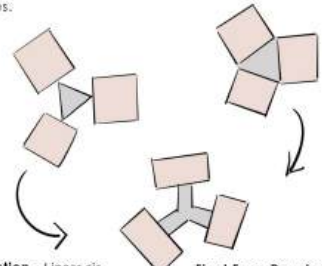
The exterior view highlights the placement of LIG and EWS residential blocks planned around shared open spaces and community amenities to create an inclusive neighborhood environment. The blocks are strategically arranged along the site edges and internal road network to ensure efficient circulation, accessibility, and visual connectivity throughout the development. Their orientation allows adequate natural daylight, ventilation, and views towards landscaped greens and communal spaces. The planning promotes a balanced urban fabric by integrating high-density housing with pedestrian movement corridors, open spaces, and social interaction zones.



ELEVATION B
SCALE 1:100

Initial Massing – Three independent square volumes and one triangular connector are placed separately to establish the basic spatial modules.

Cluster Formation – The individual forms are rotated and brought closer together to create a compact interconnected composition around a central node.



Spatial Connection – Linear circulation elements are introduced between the volumes to define movement paths and strengthen visual and functional connectivity.

Final Form Development – The rotated blocks are unified through a central circulation spine, resulting in an integrated architectural form with balanced orientation and interaction between spaces.

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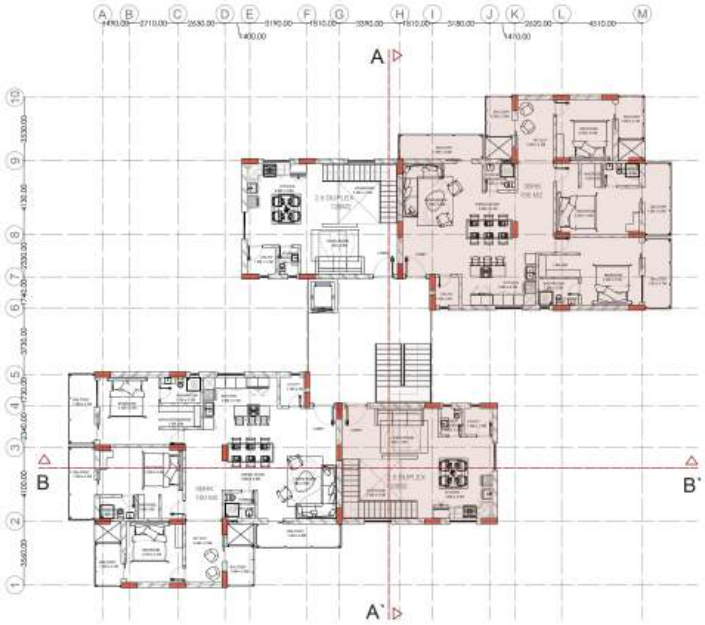
A WING (MIG+HIG BLOCK)



PLAN
PLAN AT 4500MM
SCALE 1:100

STRRET VIEW - BACK ELEVATION

PARAMETER	DETAILS
Block Footprint Area	500 m²
Duplex Unit Area	120 m² per unit
3 BHK Unit Area	150 m² per unit
Number of Units per Floor	4 residential units per floor
Total Number of Units	30 units per block
Typical Floor-to-Floor Height	3.0 m
Structural System	RCC shear wall structural system designed for enhanced lateral stability and seismic resistance

The internal view of the 3BHK residential unit reflects a contemporary open-plan layout integrating the living, dining, and kitchen spaces to enhance spatial continuity and functionality. Large openings and balcony connectivity allow ample natural daylight and ventilation, creating a comfortable indoor environment. Efficient space planning and minimal circulation corridors maximize usable living space while maintaining visual openness within the unit.

3BHK INTERNAL VIEW

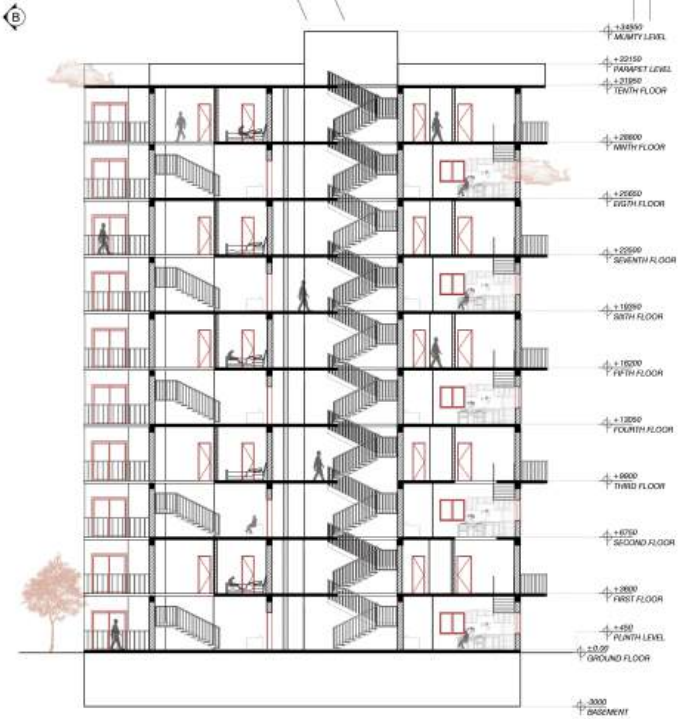
A contemporary double-height living space designed to enhance openness and create a seamless transition from a compact footprint into a visually expansive interior. Warm neutral materials, soft cove lighting, glossy flooring, and a floating staircase contribute to a refined modern aesthetic with an airy spatial experience.

2.5 DUPLEX INTERNAL VIEW

KEY PLAN
SCALE 1:1000

A WINGAND D WING

ALL BLOCKS



SECTION AA`
SCALE 1:100

SECTION BB`
SCALE 1:100

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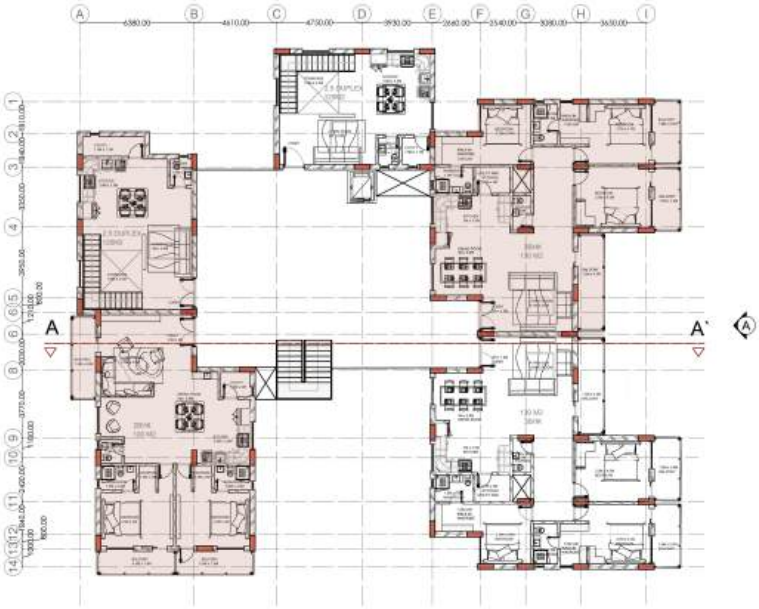
H WING (MIG+HIG BLOCK)



PLAN
PLAN AT 4500MM
SCALE 1:100

KEY PLAN
SCALE 1:1000

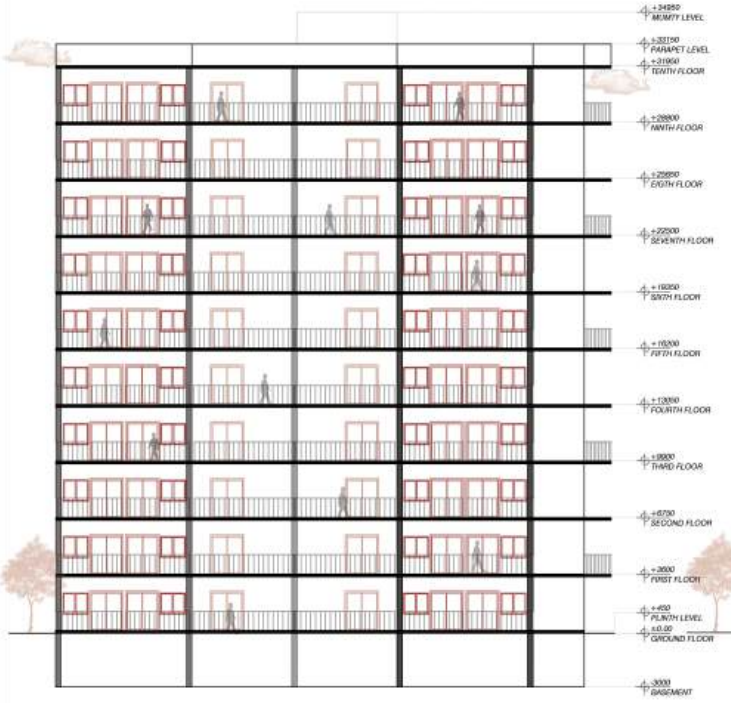
H WING

ALL BLOCKS

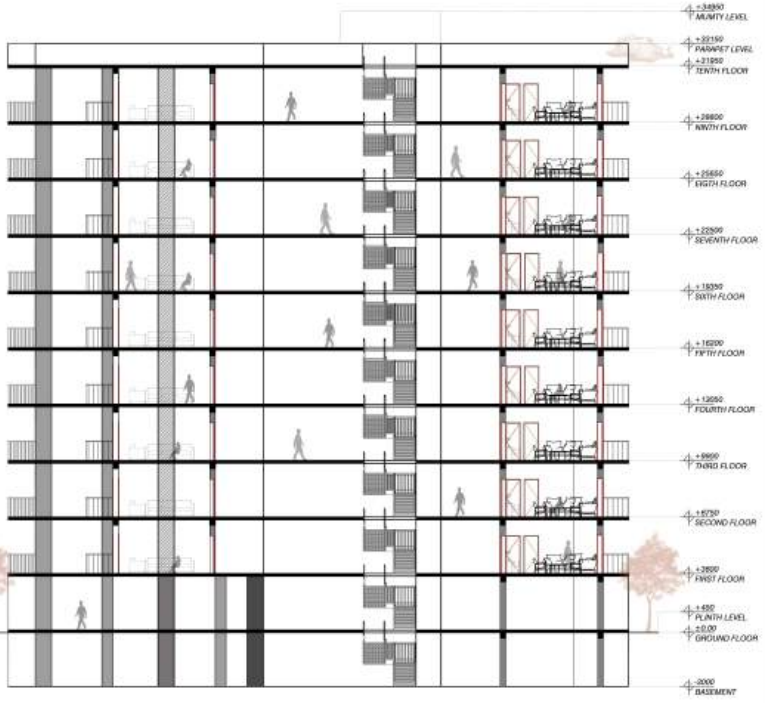
A view from the H-Wing mixed-typology residential block, integrating MIG and HIG units within a cohesive urban fabric organized around a central communal court and recreational space. The arrangement of mid-rise towers, landscaped streets, and spatial transitions from narrower internal roads into larger open courts enhances airflow movement, thermal comfort, community interaction, and the overall sense of openness within the development.

PARAMETER	DETAILS
Block Footprint Area	721 m^2
2 BHK Unit Area	100 m^2 per unit
2.5 BHK Duplex Unit Area	120 m^2 per unit
3 BHK Unit Area	130 m^2 per unit
Number of Units per Floor	5 residential units per floor
Total Number of Units	40 units per block
Typical Floor-to-Floor Height	3.0 m
Structural System	RCC shear wall structural system designed for enhanced lateral stability and seismic resistance

VIEW FROM H WING GROUND FLOOR



ELEVATION A
SCALE 1:100



SECTION AA`
SCALE 1:100

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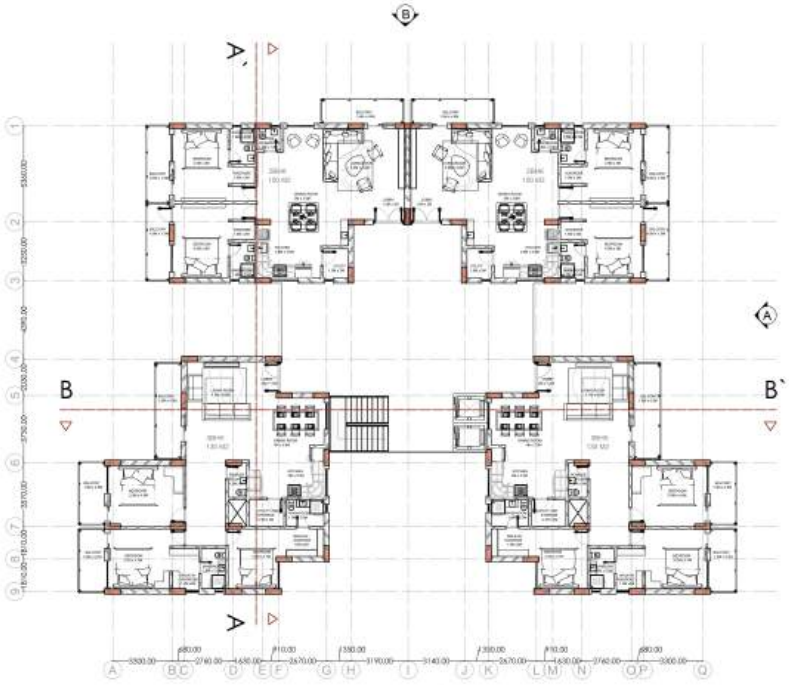
G WING (MIG+HIG BLOCK)



PLAN
PLAN AT 4500MM
SCALE 1:100

KEY PLAN
SCALE 1:1000

F WING AND H WING

ALL BLOCKS

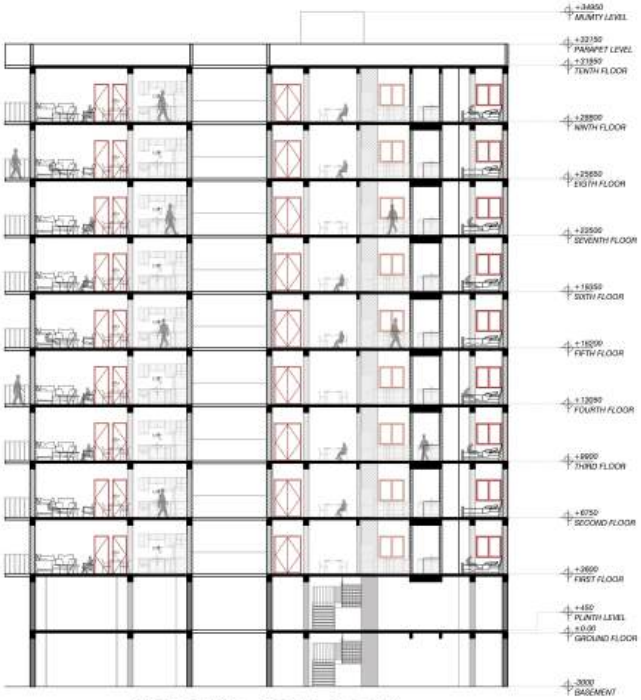
PARAMETER	DETAILS
Block Footprint Area	703 m^2
2 BHK Unit Area	100 m^2 per unit
3 BHK Unit Area	130 m^2 per unit
Number of Units per Floor	4 residential units per floor
Total Number of Units	40 units per block
Typical Floor-to-Floor Height	3.0 m
Structural System	RCC shear wall structural system designed for enhanced lateral stability and seismic resistance

2BHK INTERNAL VIEW

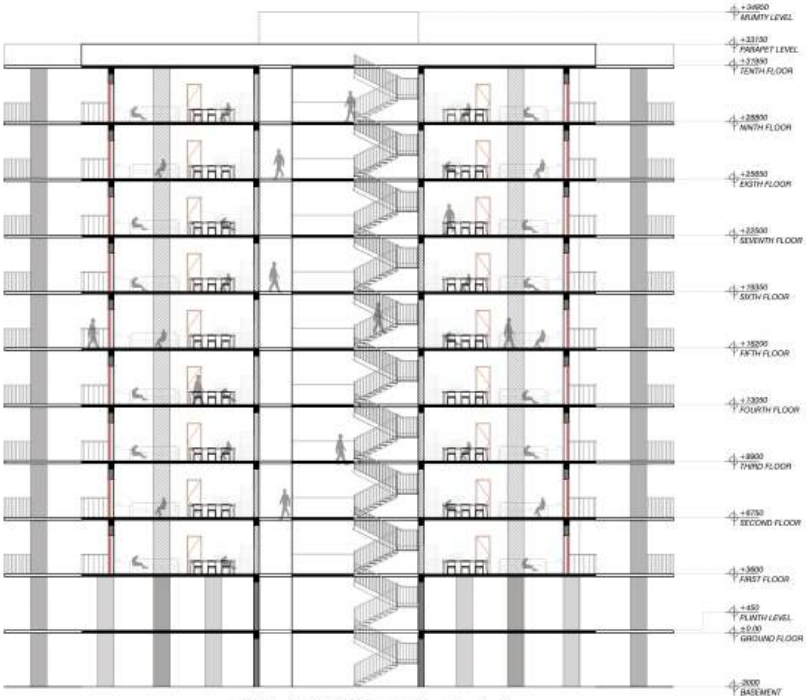
3BHK INTERNAL VIEW

3BHK Unit Internal View
A spacious open-plan 3BHK interior designed with strategically placed openings that enable effective cross ventilation, allowing continuous airflow to keep the entire unit naturally cool and comfortable.
The seamless connectivity between living, dining, and kitchen spaces, combined with warm neutral materials, layered lighting, and refined detailing, creates a sophisticated contemporary living environment.

2BHK Unit Internal View
A compact yet efficiently planned 2BHK interior with adjacent openings carefully positioned to enhance natural ventilation and maintain thermal comfort within the living spaces.
The integrated spatial layout, warm textures, earthy material palette, and soft ambient lighting create an intimate, functional, and inviting residential atmosphere.

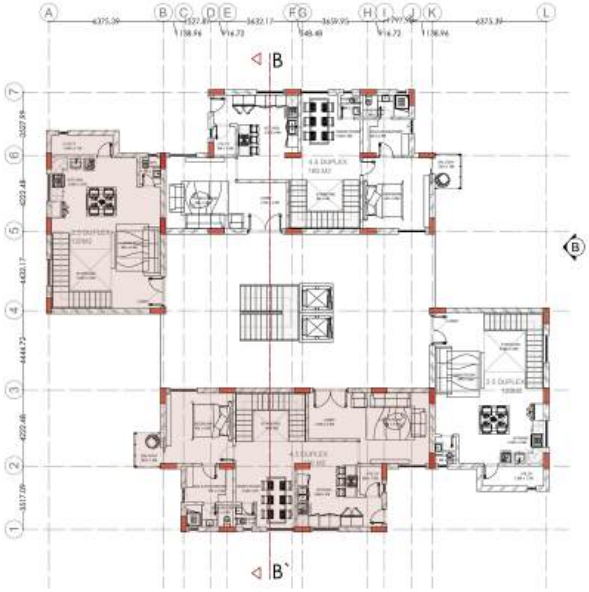


SECTION BB`
SCALE 1:100



SECTION AA`
SCALE 1:100

B WING (MIG+HIG BLOCK)



PLAN
PLAN AT 4500MM
SCALE 1:100

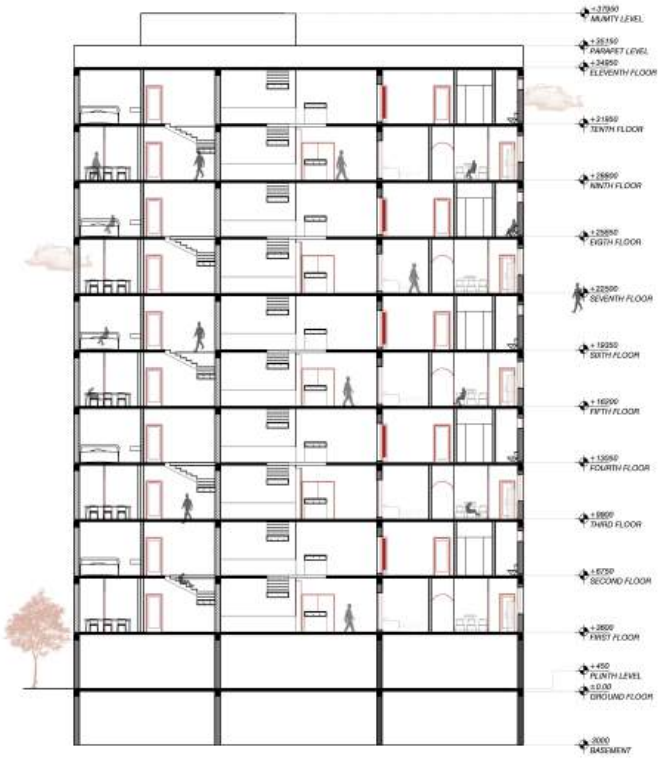
PARAMETER	DETAILS
Block Footprint Area	489 m²
2.5 BHK Unit Area	120 m² per unit
4.5 BHK Duplex Unit Area	180 m² per unit
Number of Units per Floor	4 residential units per floor
Total Number of Units	30 units per block
Typical Floor-to-Floor Height	3.0 m
Structural System	RCC shear wall structural system designed for enhanced lateral stability and seismic resistance

KEY PLAN
SCALE 1:1000

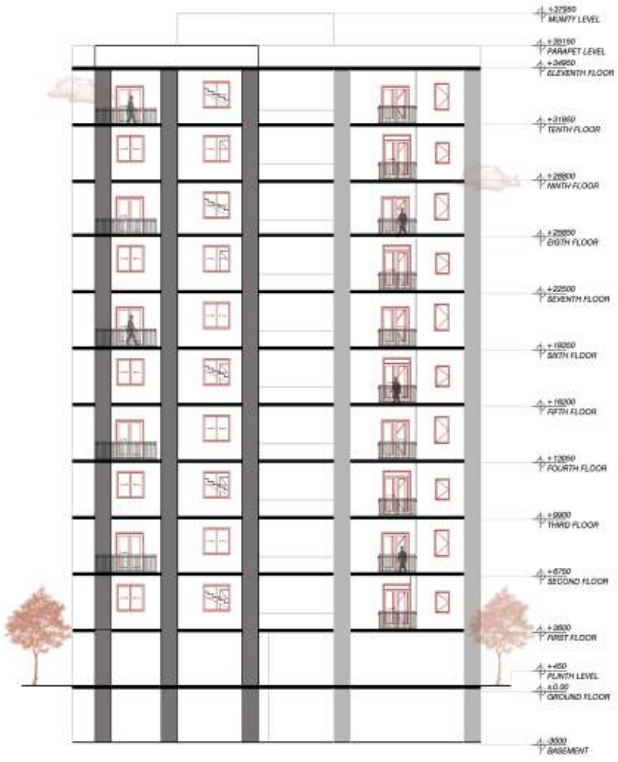
B WING AND E WING

ALL BLOCKS

The view highlights the placement of MIG duplex housing blocks strategically positioned within the site to create a visual buffer between different residential categories. The arrangement of the duplex blocks helps screen the EWS and LIG housing from direct visibility, ensuring greater spatial hierarchy and privacy within the development. The balconies of the MIG housing are intentionally oriented towards internal greens and open spaces on the opposite side to enhance privacy, views, and environmental comfort. This planning approach establishes a balanced residential environment while maintaining visual segregation and efficient community integration across the site.



SECTION BB`
SCALE 1:100



ELEVATION B
SCALE 1:100

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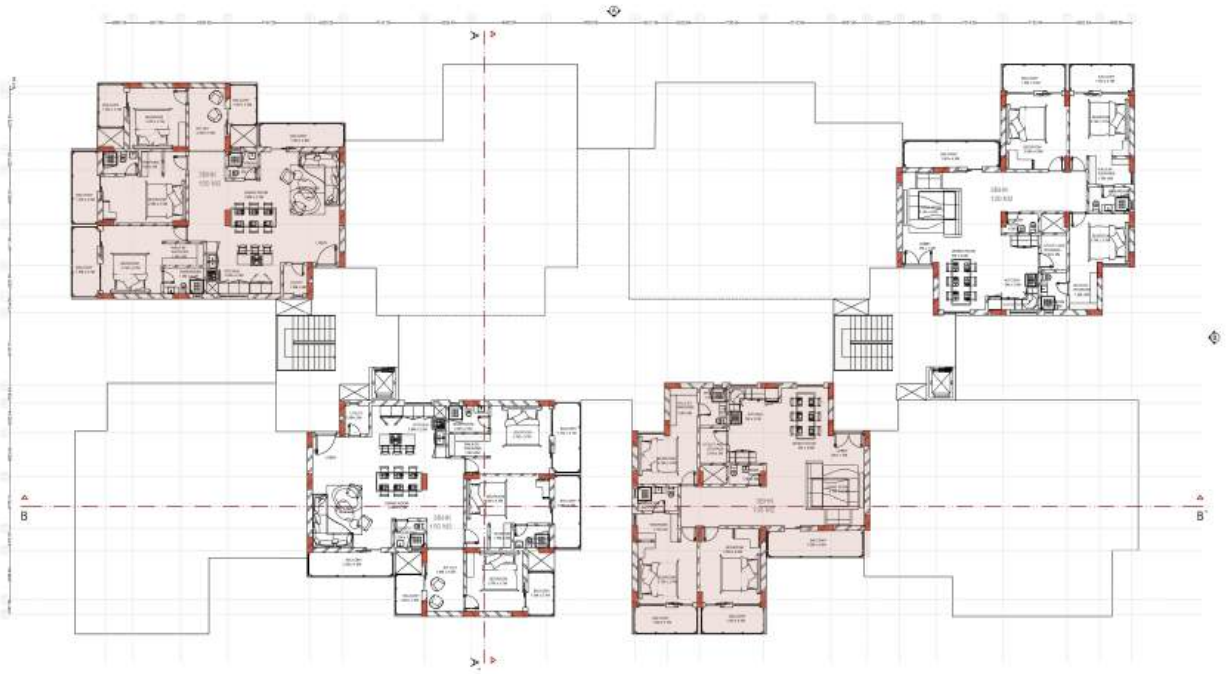
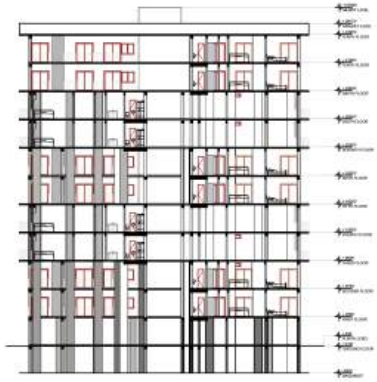
REMARKS

C WING (HIG BLOCK)



PLAN
PLAN AT 4500MM
SCALE 1:100

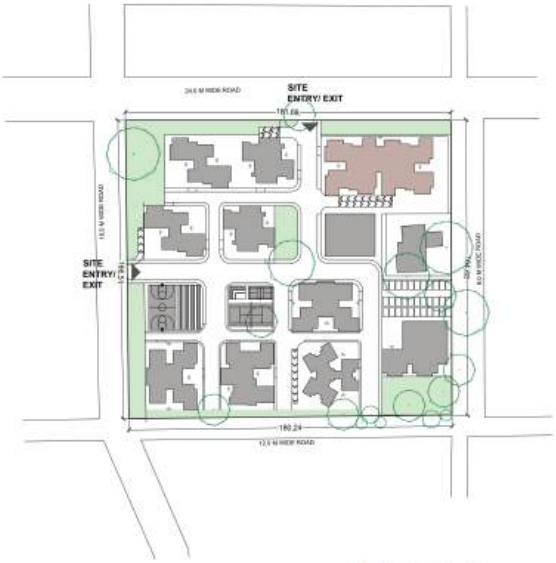
SECTION BB`
SCALE 1:100



SECTION AA`
SCALE 1:100

PARAMETER	DETAILS
Block Footprint Area	1530 m²
3 BHK Unit Area	150 m² per unit
Additional 3 BHK Unit Area	130 m² per unit
Number of Units per Floor	4 residential units per floor
Total Number of Units	40 units per block
Typical Floor-to-Floor Height	3.0 m
Structural System	RCC shear wall structural system designed for enhanced lateral stability and seismic resistance

A panoramic balcony view offering visual connectivity to the central greens, recreational spaces, and active urban landscape of the residential development.
The warm modern façade palette, vertical elements, and lush balcony plantations create a refined urban living environment with an open and serene visual expe-



KEY PLAN
SCALE 1:1000

C WING
ALL BLOCKS

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