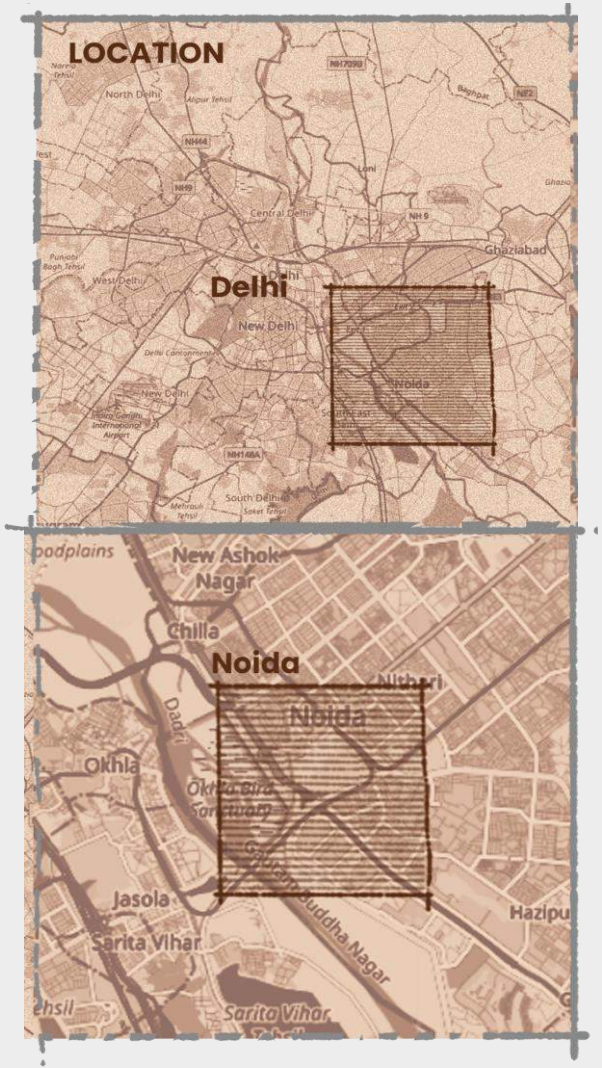
Kasba Casa

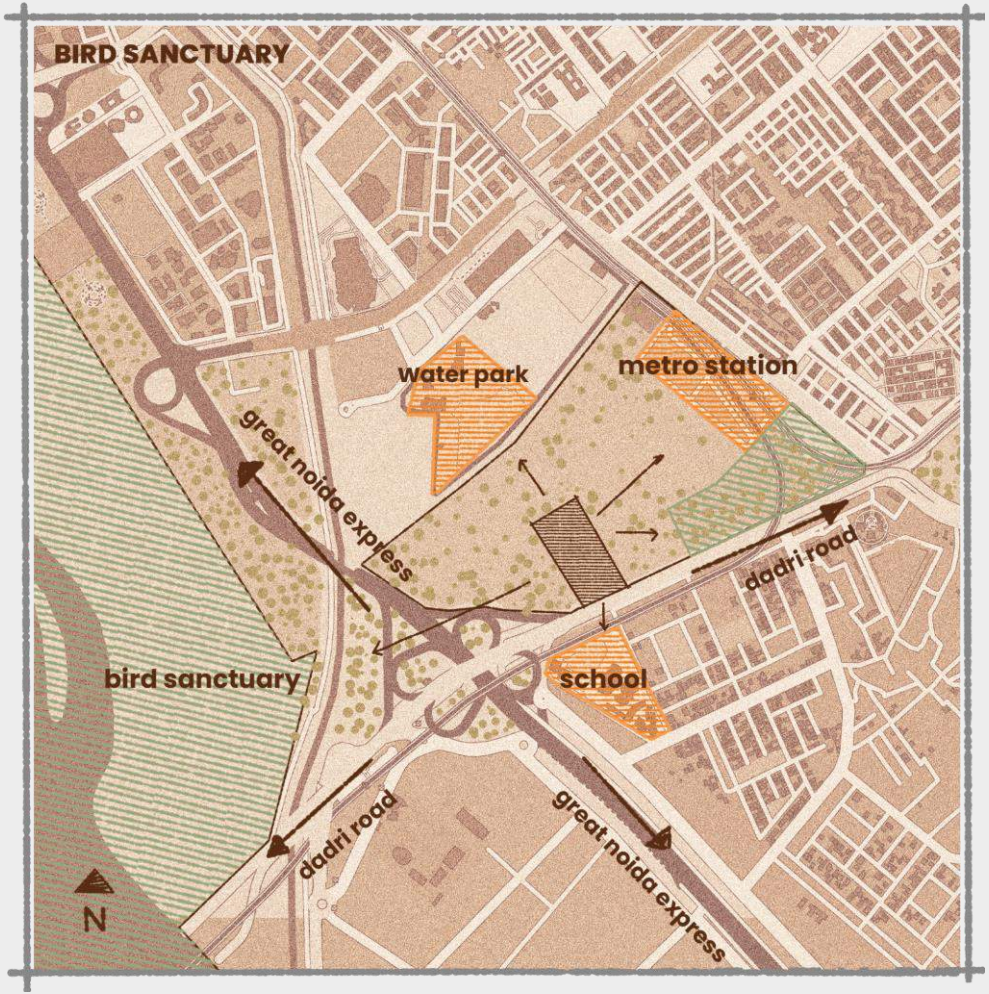
Anuj Dogne, Austin Dominic, Shivangi Swarnkar



Why We Choose This City ?

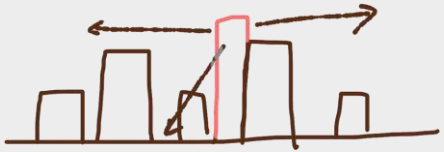
- Delhi is among the top cities which is losing its cultural Identity.
- Providing new housing solutions to its residents To Intertwine Long Term Housing Solution While Keeping The Cultural Aspects Of The City Alive.

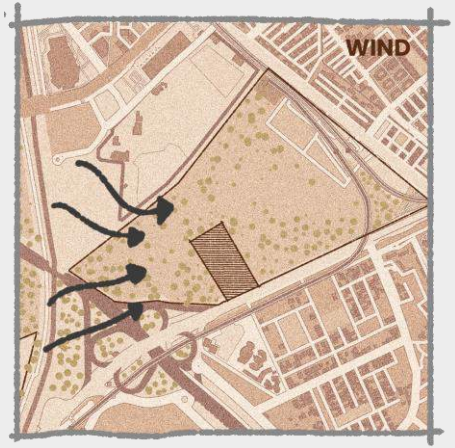
Blending in Urban Fabric



Why We Chose This Site ?

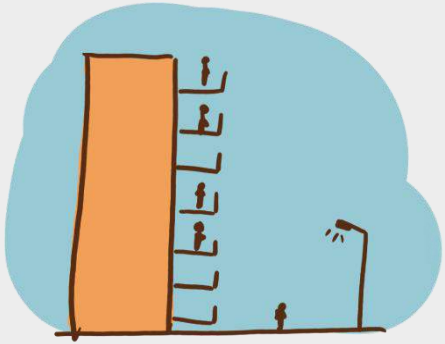
- Proposed site has the sight of the Yamuna river and botanical garden with the bird sanctuary around.
- Near by metro station and school
- surrounded beauty of nature
- No major construction around 300 m radius of the site.



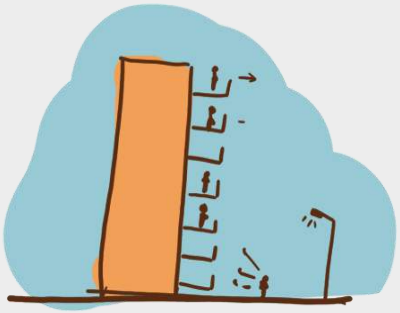


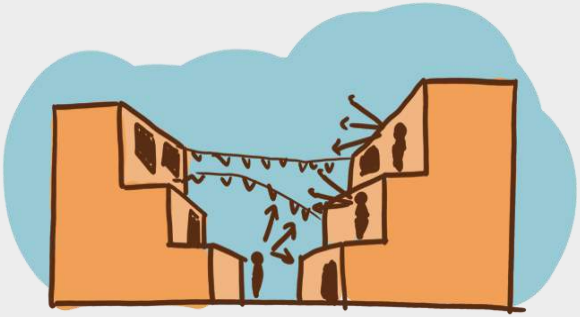
Value Of Culture In Cities

- Space where people can gather around interact and communicate rather than being lost in their apartments.
- Inspired from the Chowl Housing concept found in old cities
- The Apartments are arranged in a manner facing each other, providing streets in between as A Hybrid Space Where People Can Perform Any Ancillary Activities.
- The concept of Vertical Colonies is being proposed throughout the rise of buildings with common spaces for adaptive living.

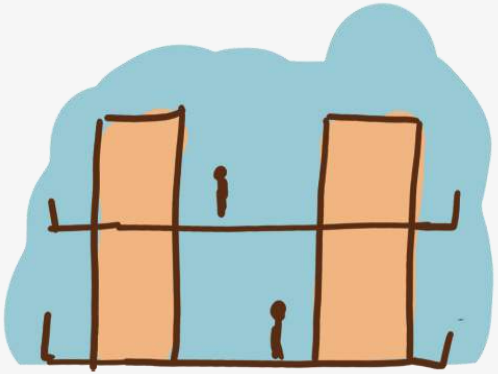


Gully have human connection but highrise don't have human connection.

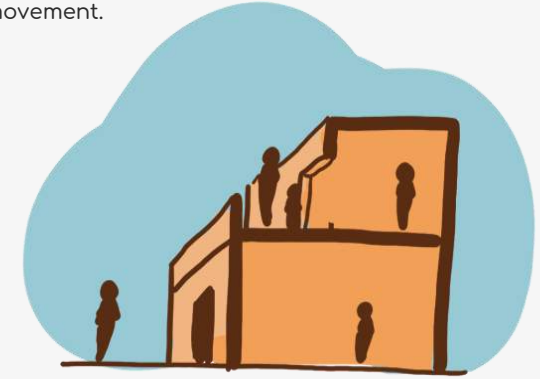




Gully have human scale but high-rise don't have human scale.



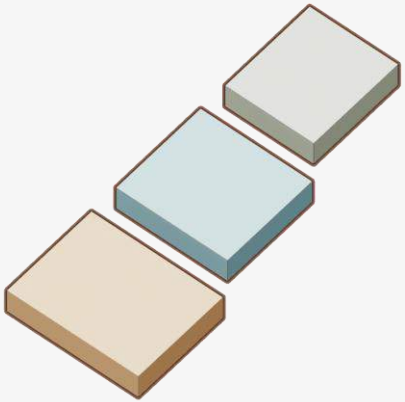
Gully have Balance Of Place And Movement, and high-rise don't have a place to rest, just movement.



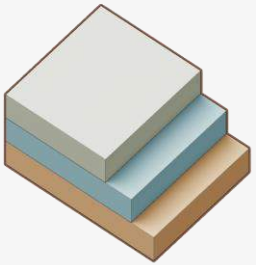
Gully have Macro , Meso And Micro shared spaces and high-rise have only meso and micro

Formation And Integration Of Gully And High-rise

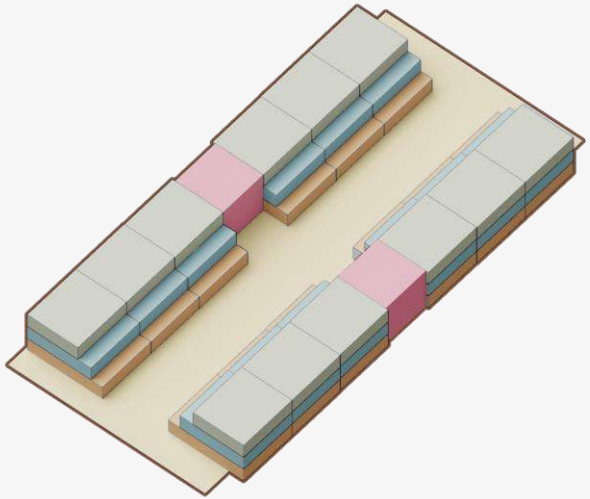
- The clusters we formed in our design are inspired by the mitigating features of Indian streets Known as "Mohallas".
.
- Vertically in the formation of three apartments (3bhk,2.5bhk,2bhk) placed in descending order. Giving access to the three apartments by a common street through placed staircases and corridors.



Single Flats



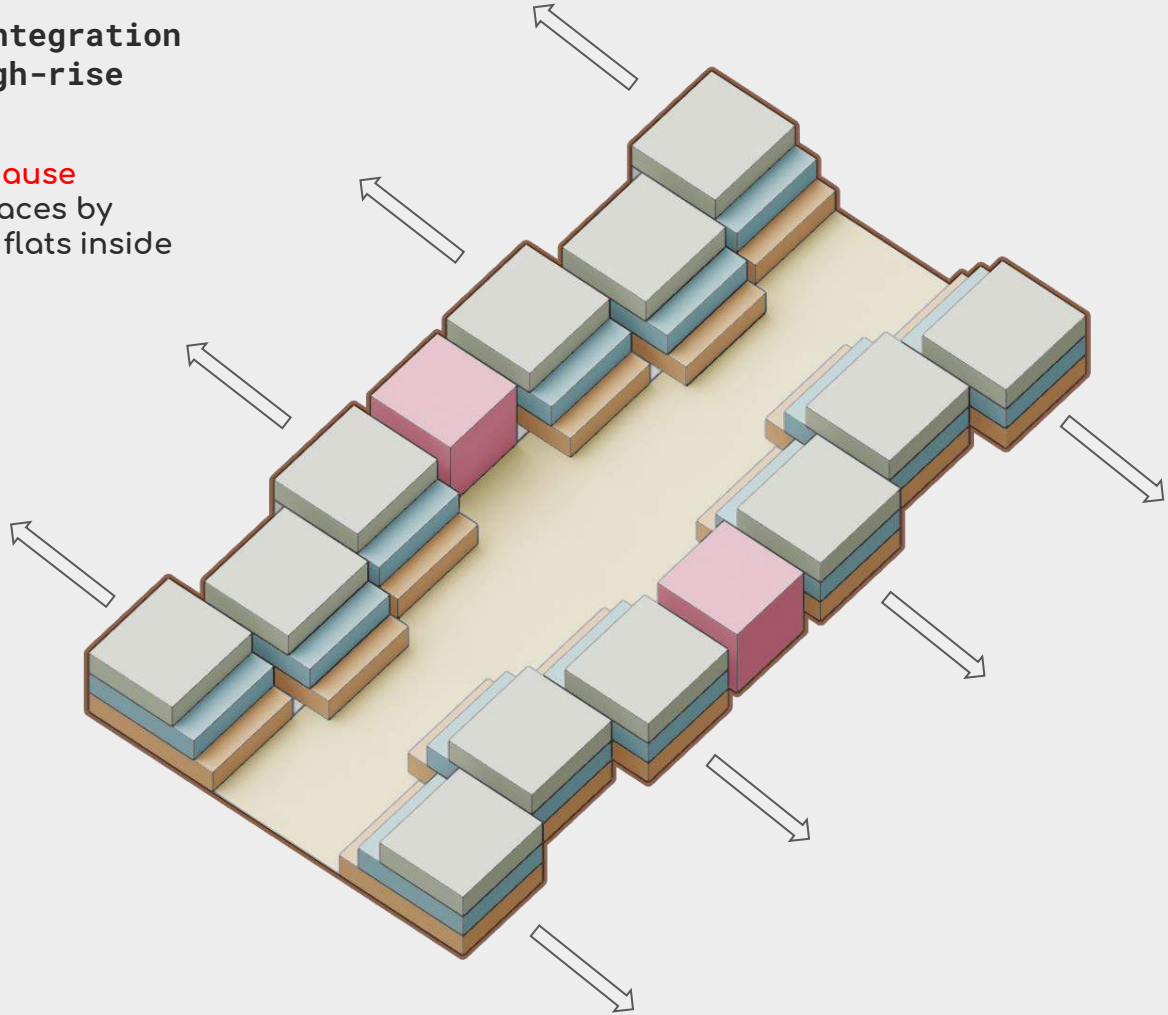
2, 2.5,3 Bhk Flats Stacked Together To Form an Impression Of House In A Gully



Stacked Flats Are Arranged In Row To Form A Street

Formation And Integration Of Gully And High-rise

- Creating play and pause movement in the spaces by pushing alternative flats inside out.



Service Core

Street

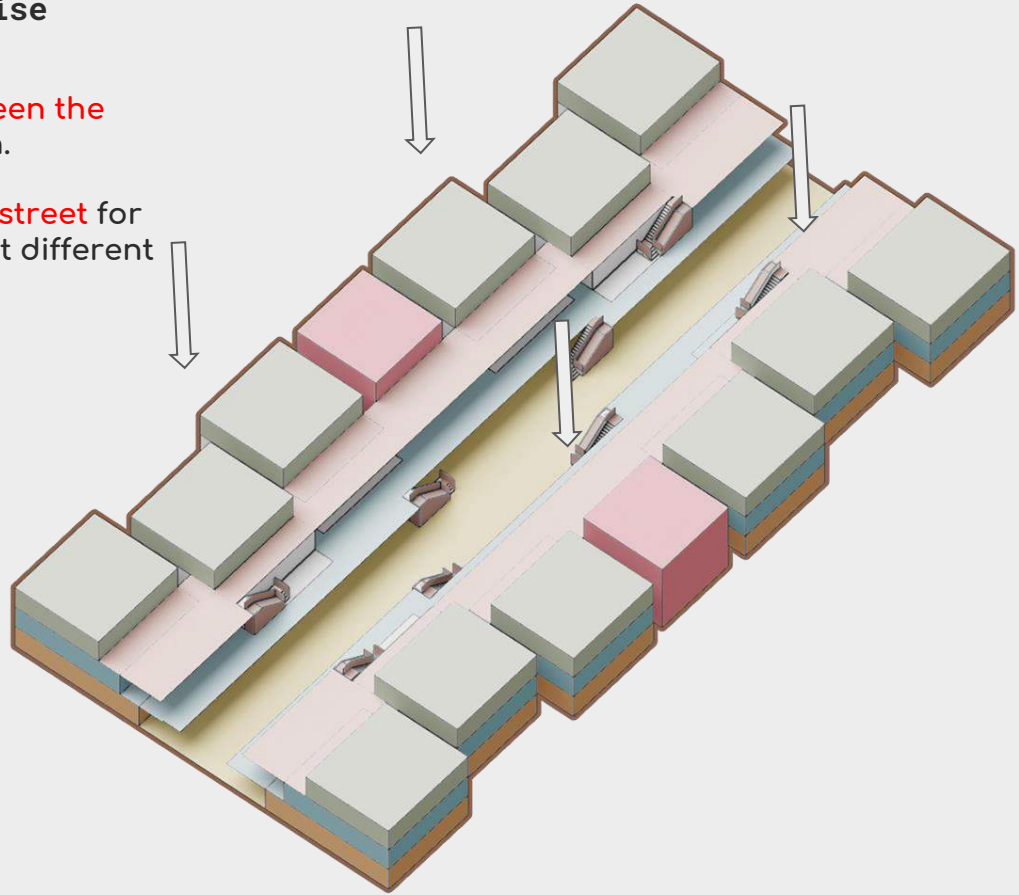
2bhk flat

2.5bhk flat

3bhk flat

Formation And Integration Of Gully And High-rise

- Giving 2 meter gap between the flats for cross ventilation.
- Placing staircase on the street for connecting all the flats at different level.



Service Core

Street

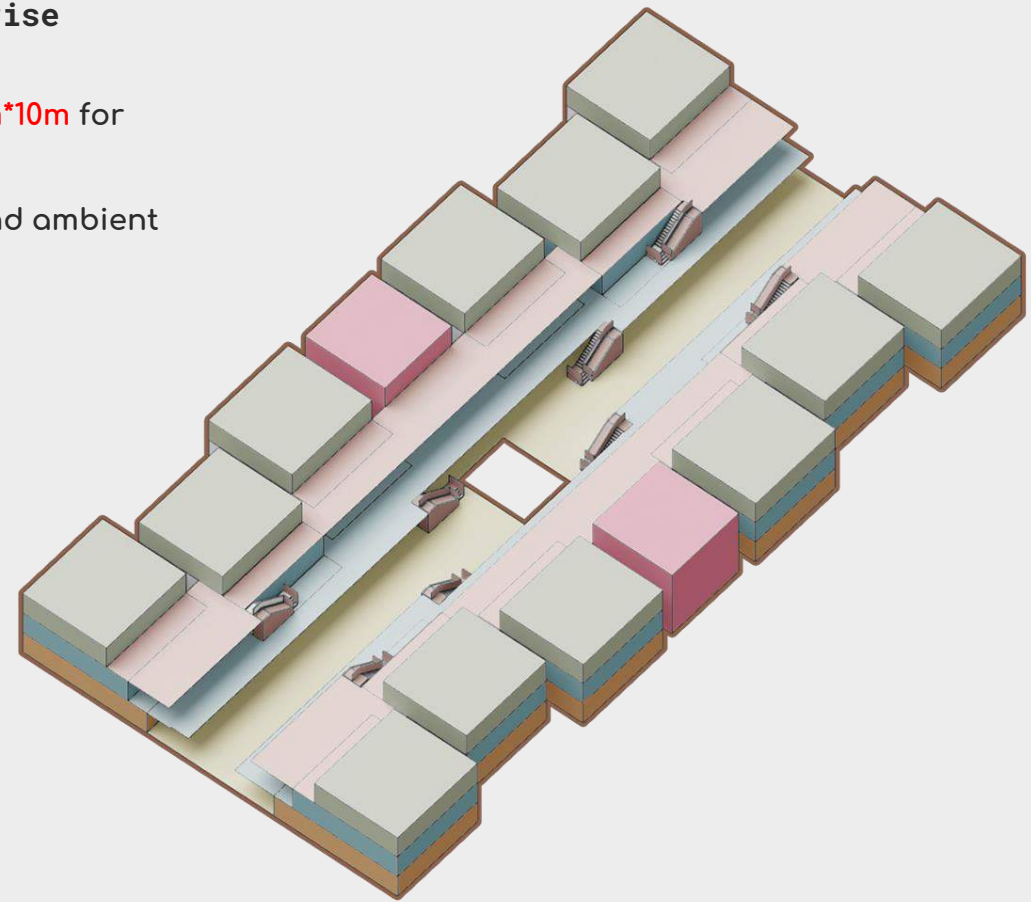
2bhk flat

2.5bhk flat

3bhk flat

Formation And Integration Of Gully And High-rise

- Creating a cut out of 7m*10m for skylight.
- Useful for ventilation and ambient light



Service Core

Street

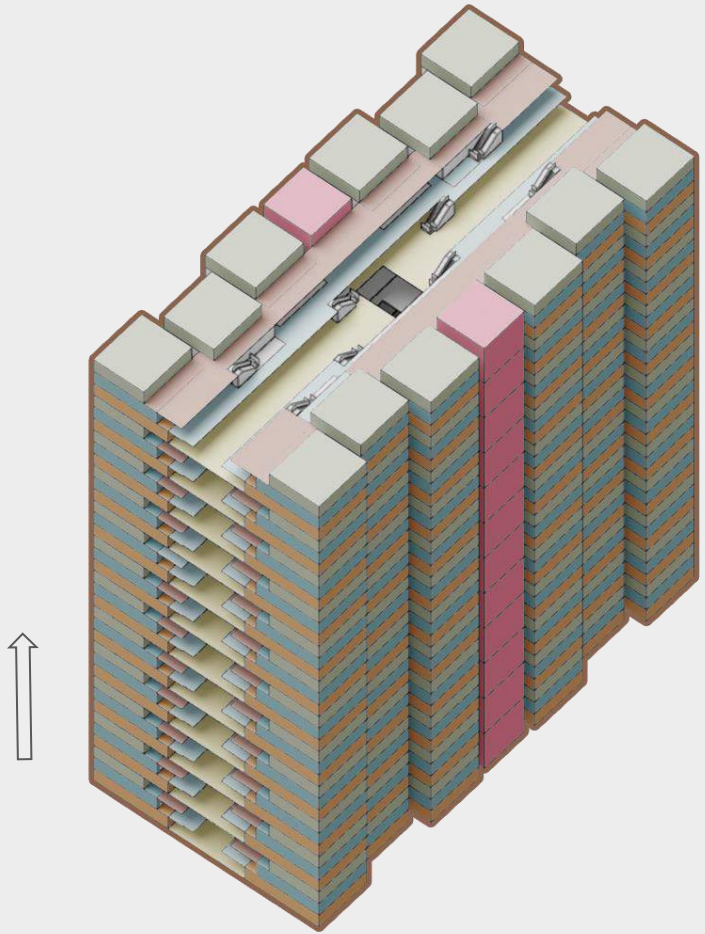
2bhk flat

2.5bhk flat

3bhk flat

Formation And Integration Of Gully And High-rise

- Arranging the row into a block of building.
- Core connecting all the 14 streets also accessible to the levels in one street.



Service Core

Street

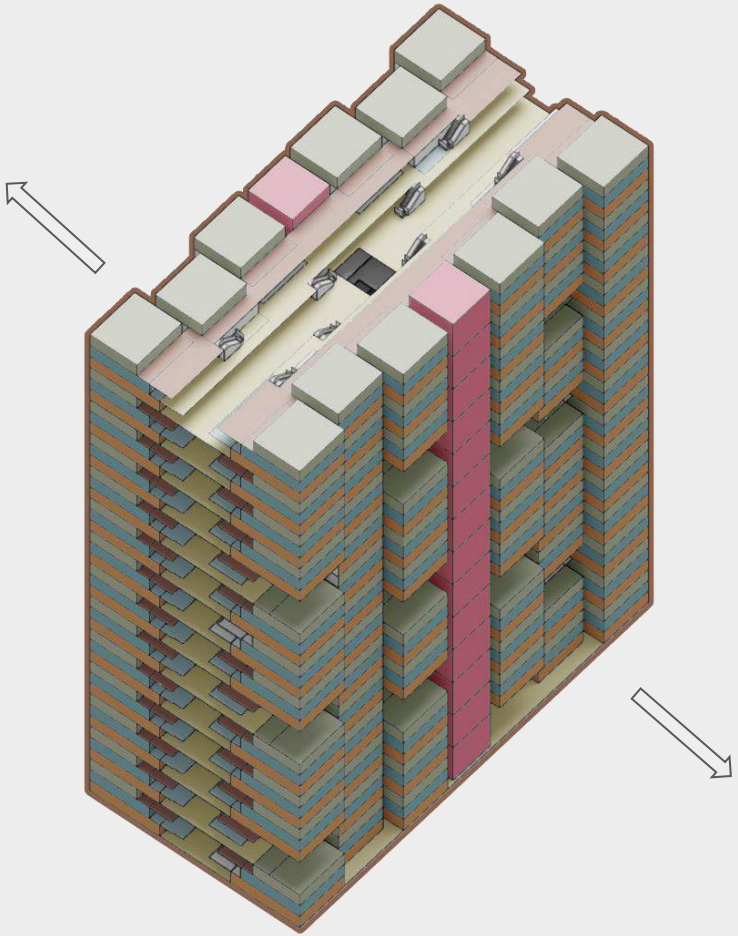
2bhk flat

2.5bhk flat

3bhk flat

Formation And Integration Of Gully And High-rise

- Creating a Void On Every Street for good amount of light and cross ventilation of air.
- These created spaces are accessible from the street.
- Can be used for hybrid space and various activity.



Service Core

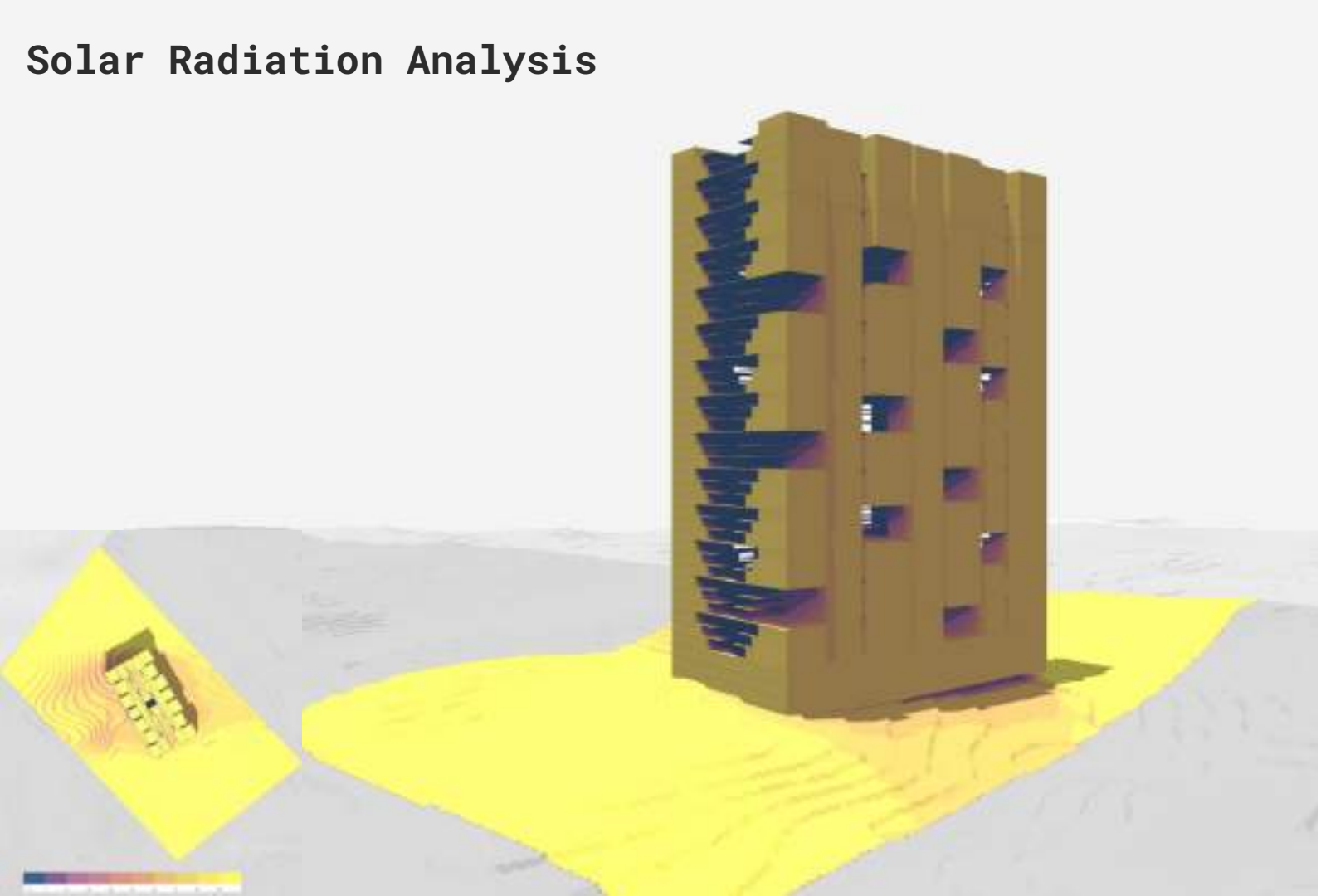
Street

2bhk flat

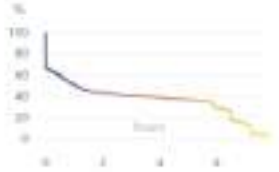
2.5bhk flat

3bhk flat

Solar Radiation Analysis



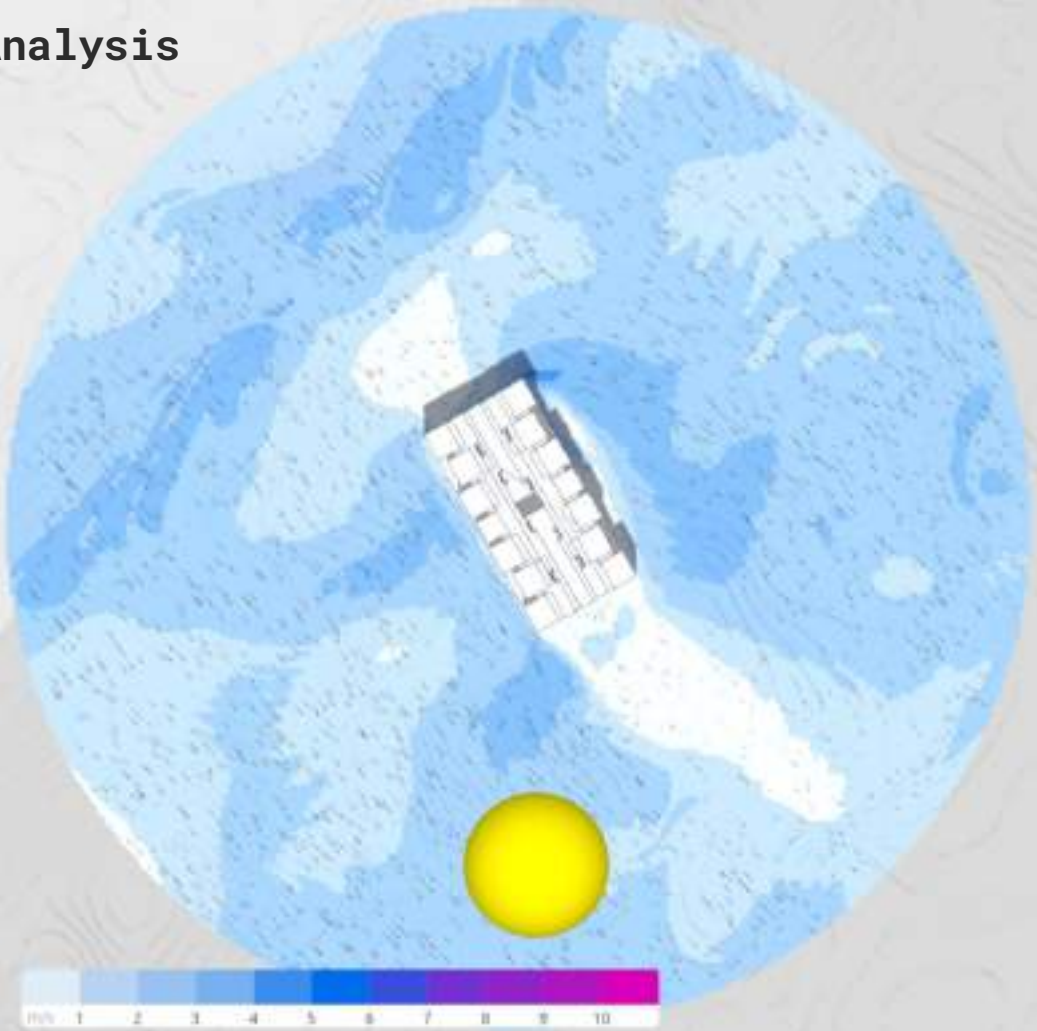
Facade

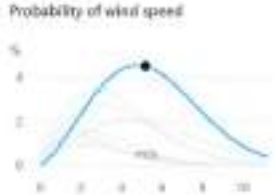


Ground

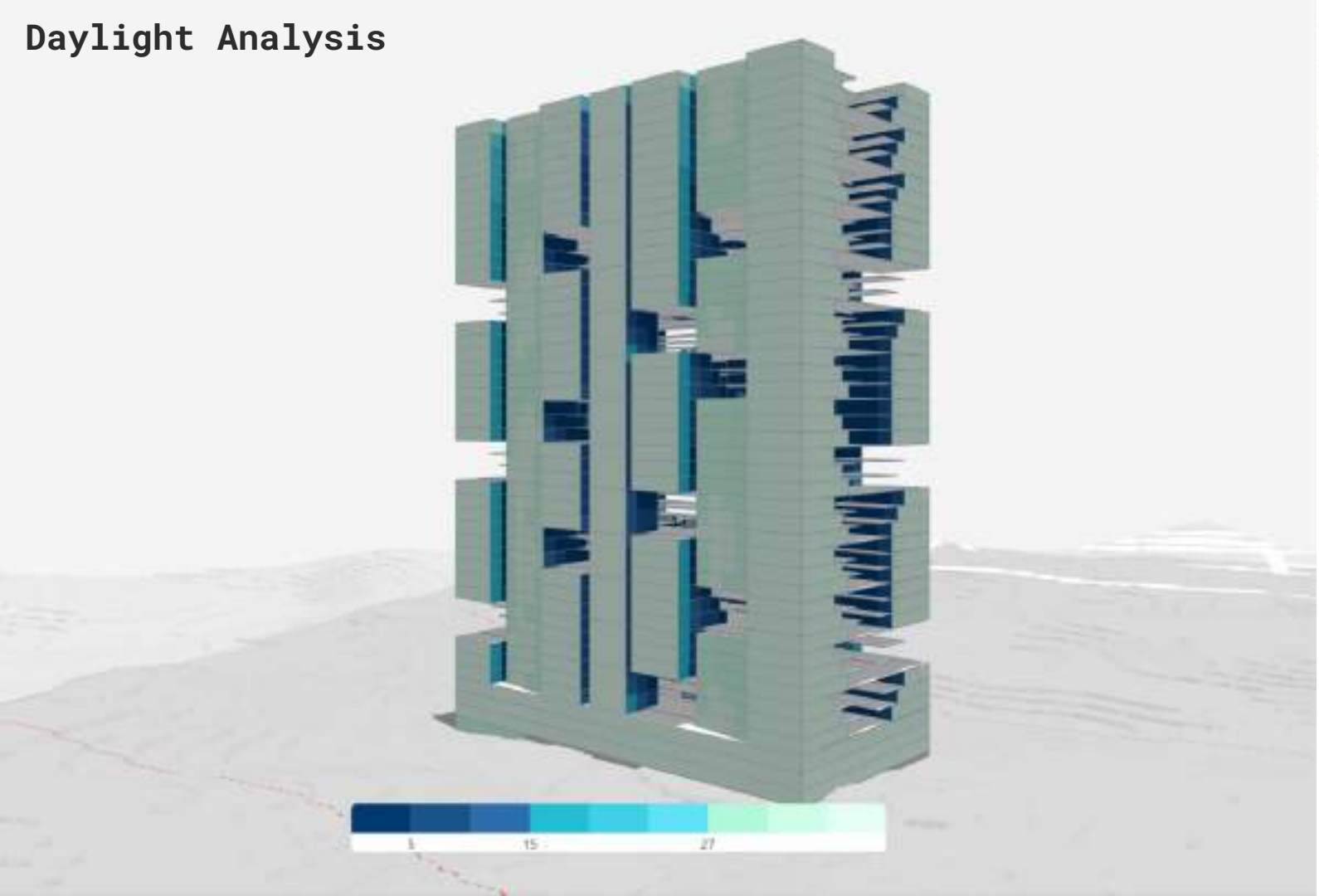
Roof

Wind Direction Analysis



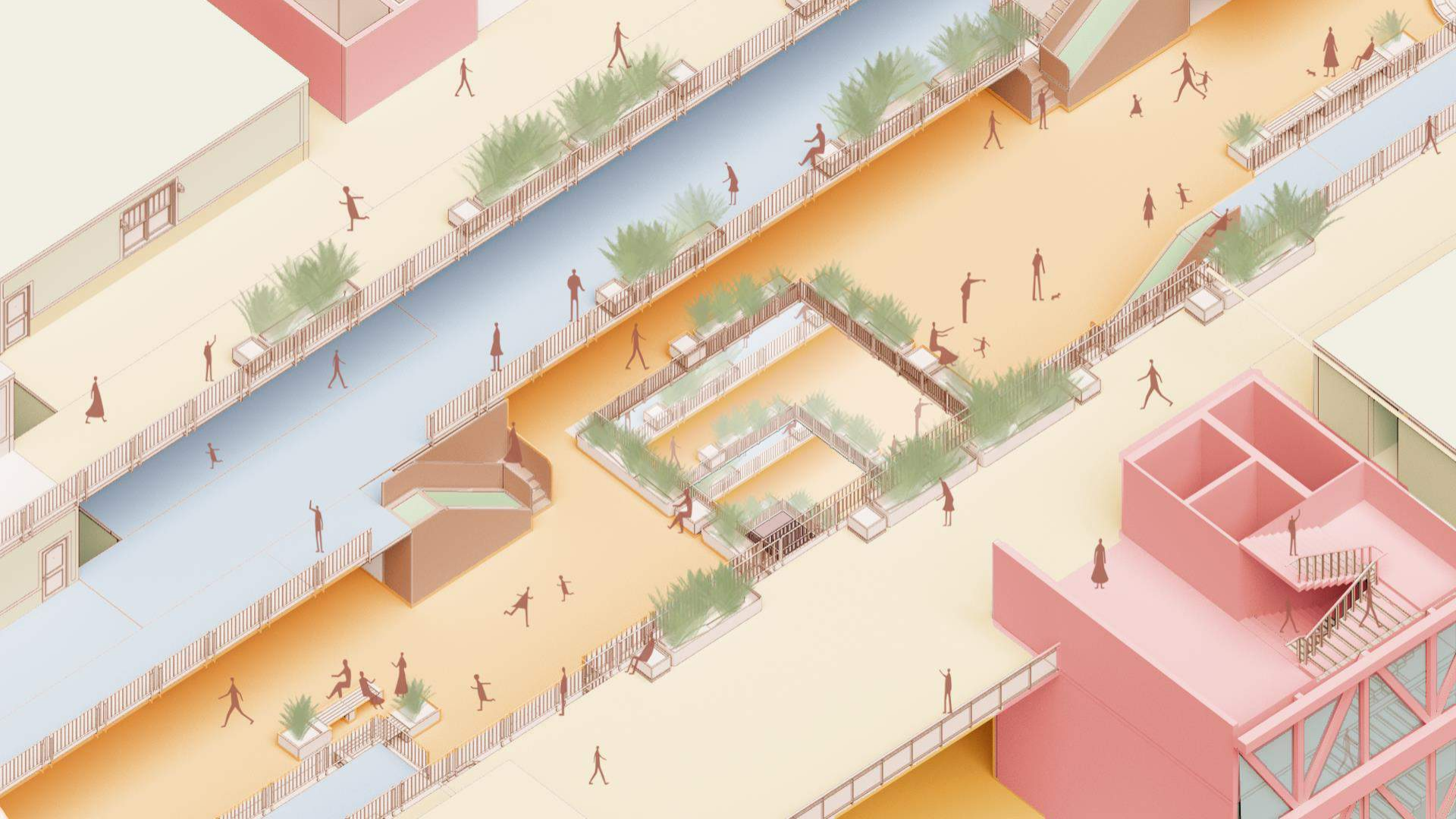


Daylight Analysis



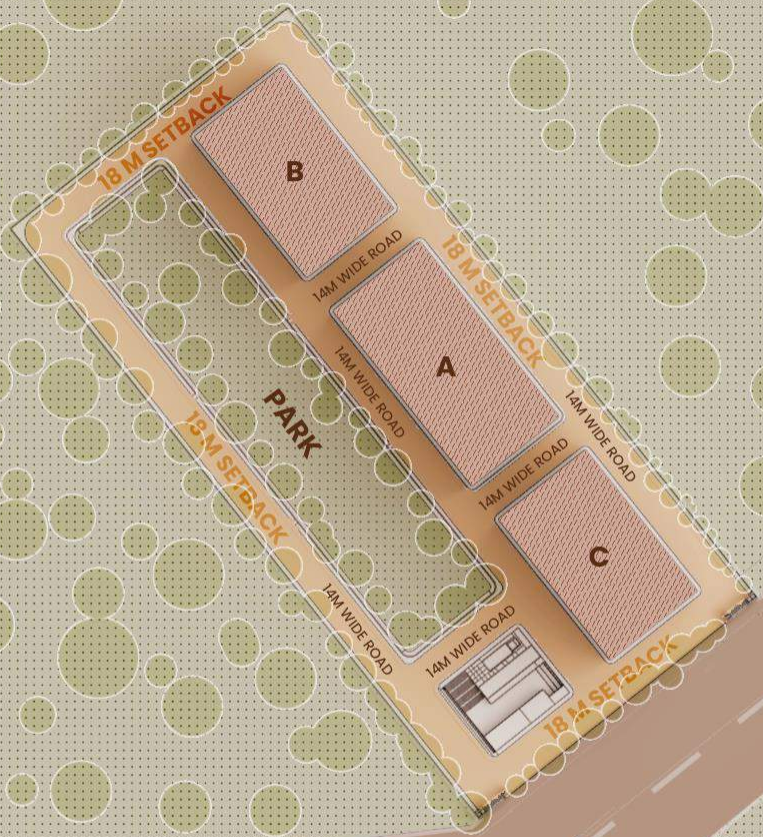
Facade

Below 5%	52 %
Between 5 and 15%	11 %
Between 15 and 27%	4 %
Above 27%	33 %



Site plan

Site plan



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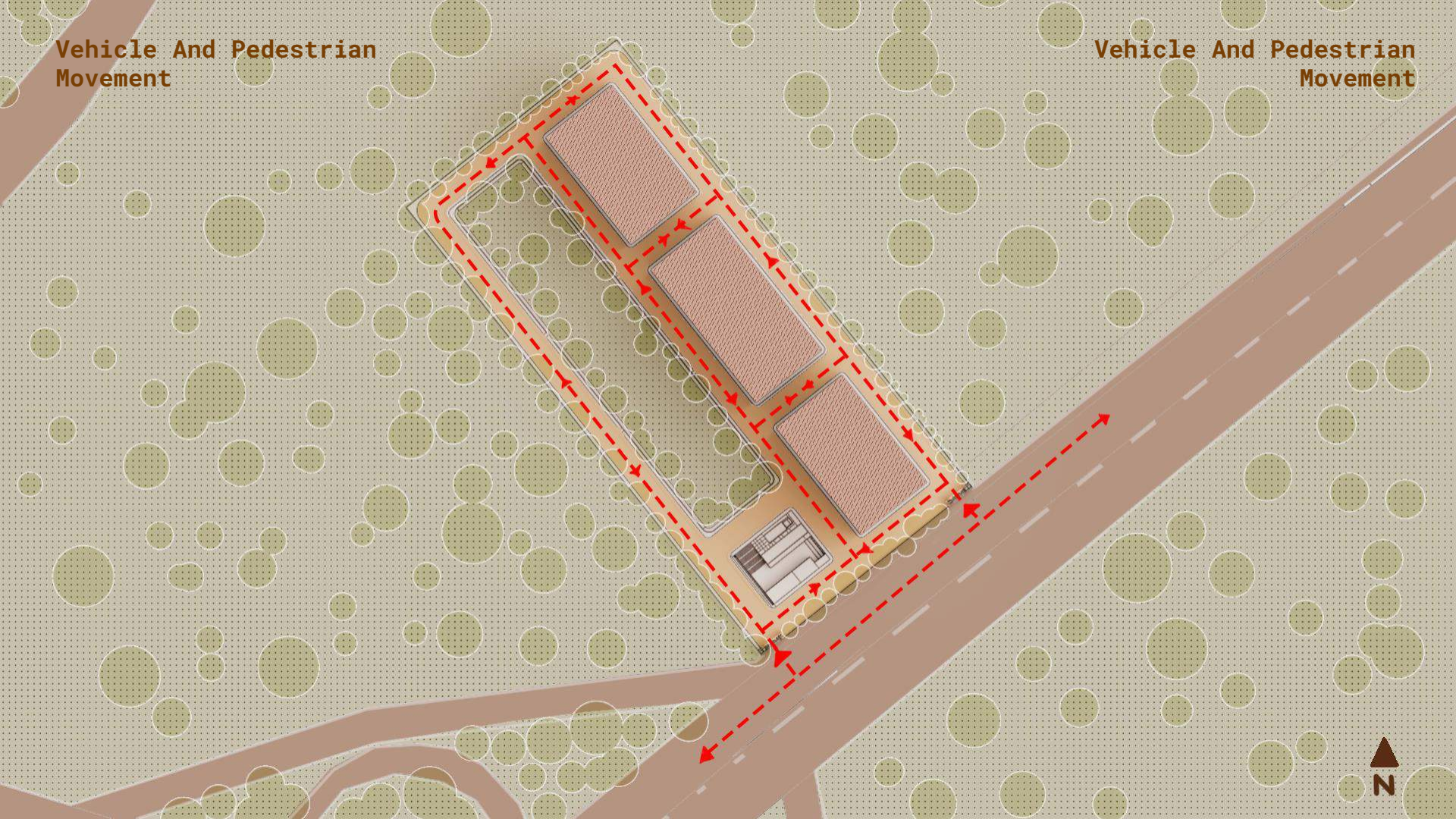
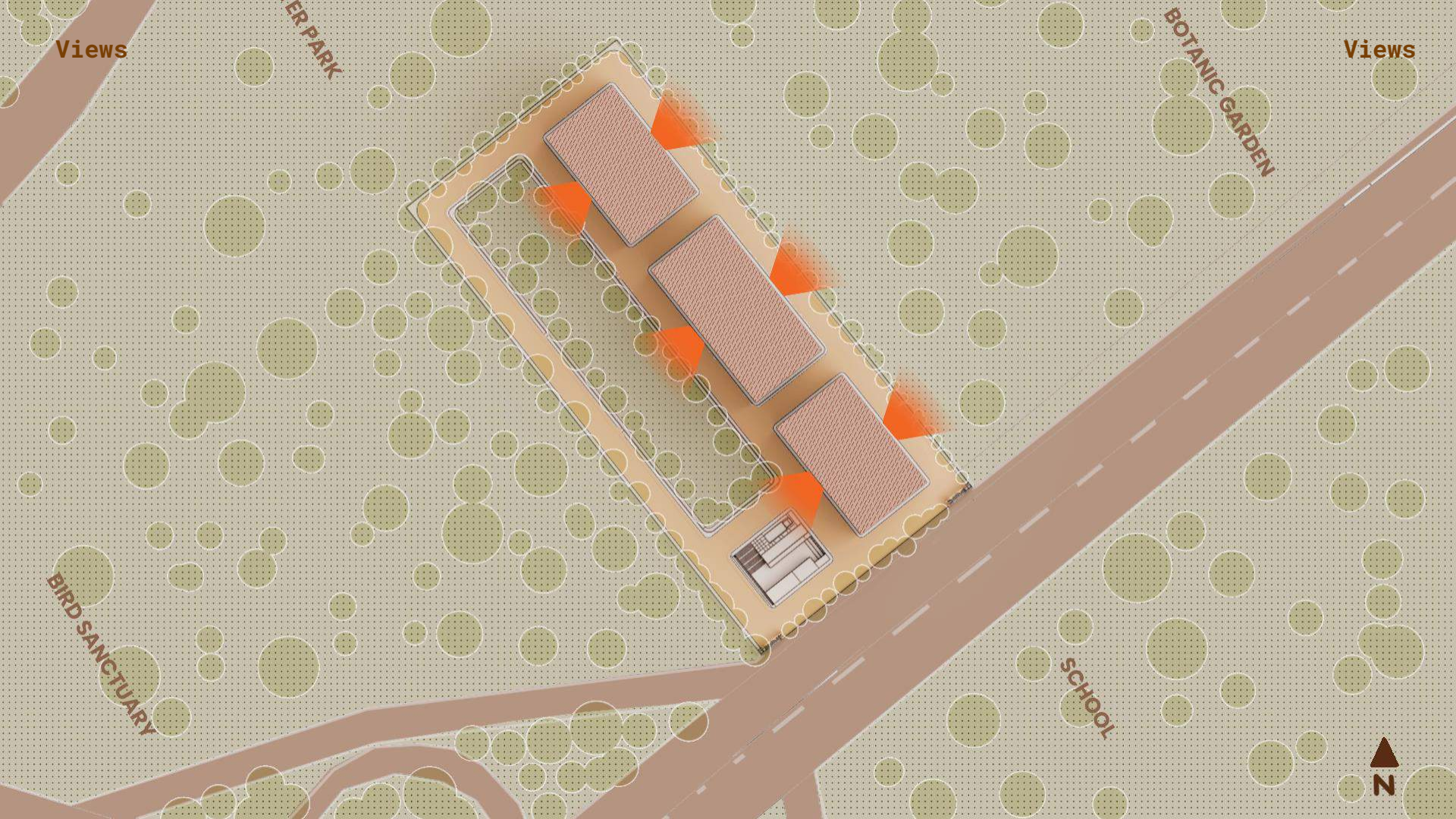
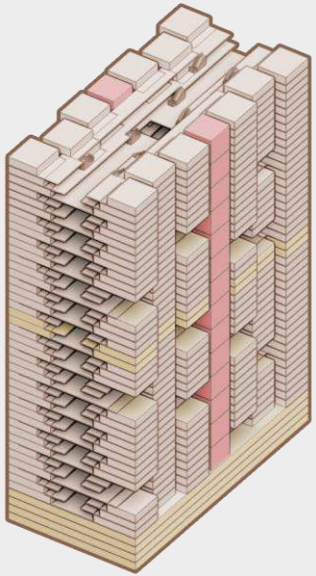
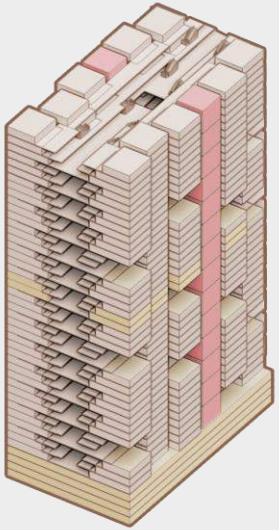

Vehicle And Pedestrian Movement
Vehicle And Pedestrian Movement
N


Views
Views
BOTANIC GARDEN
BIRD SANCTUARY
SCHOOL
N

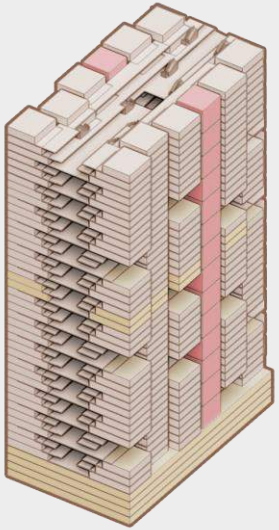
Cluster Formation



Block A



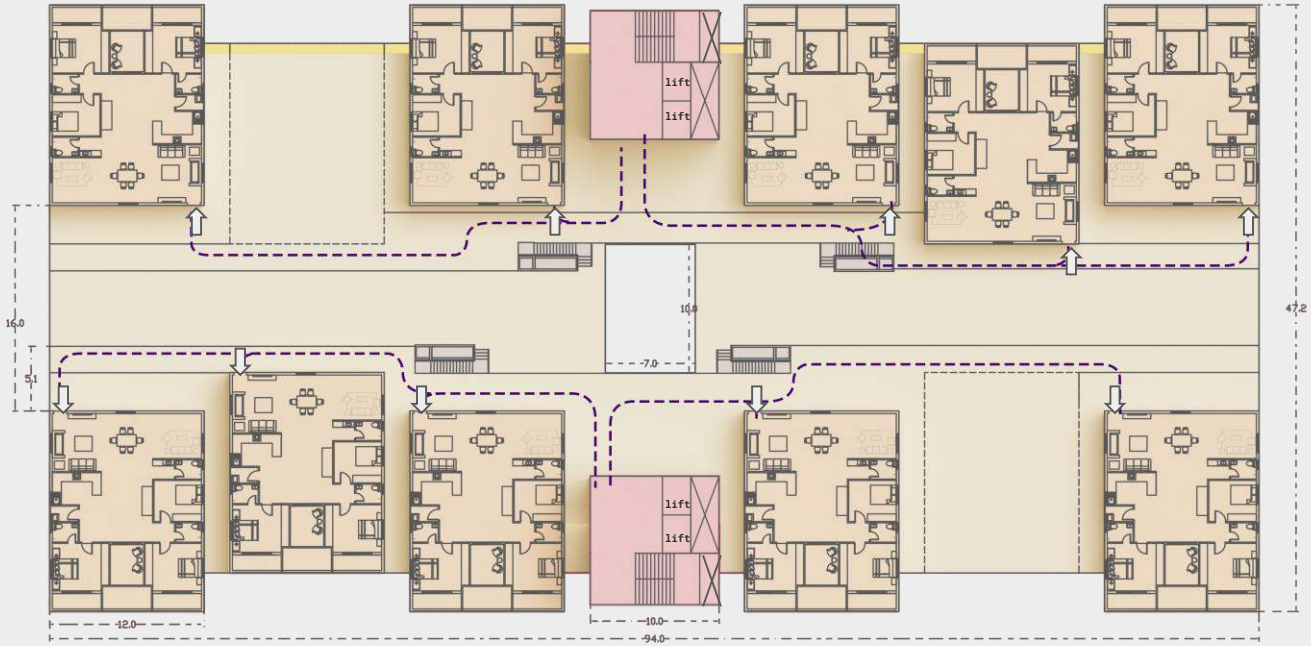
Block B



Block C

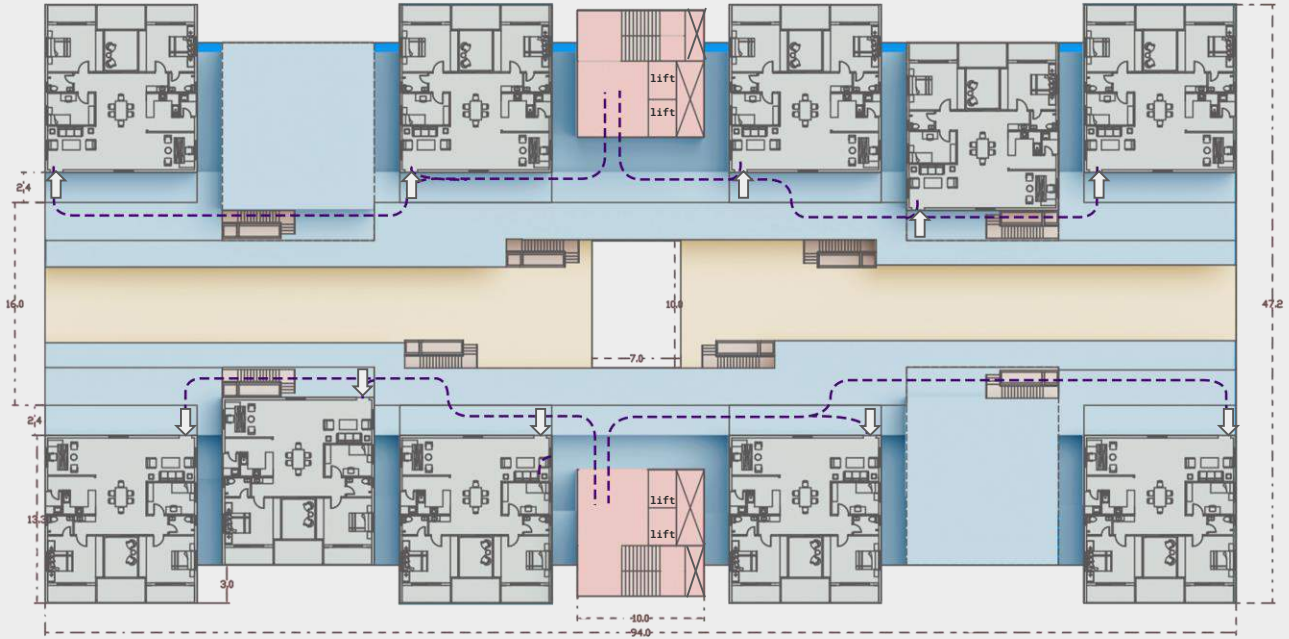
Typologies In Cluster

3BHK Lane



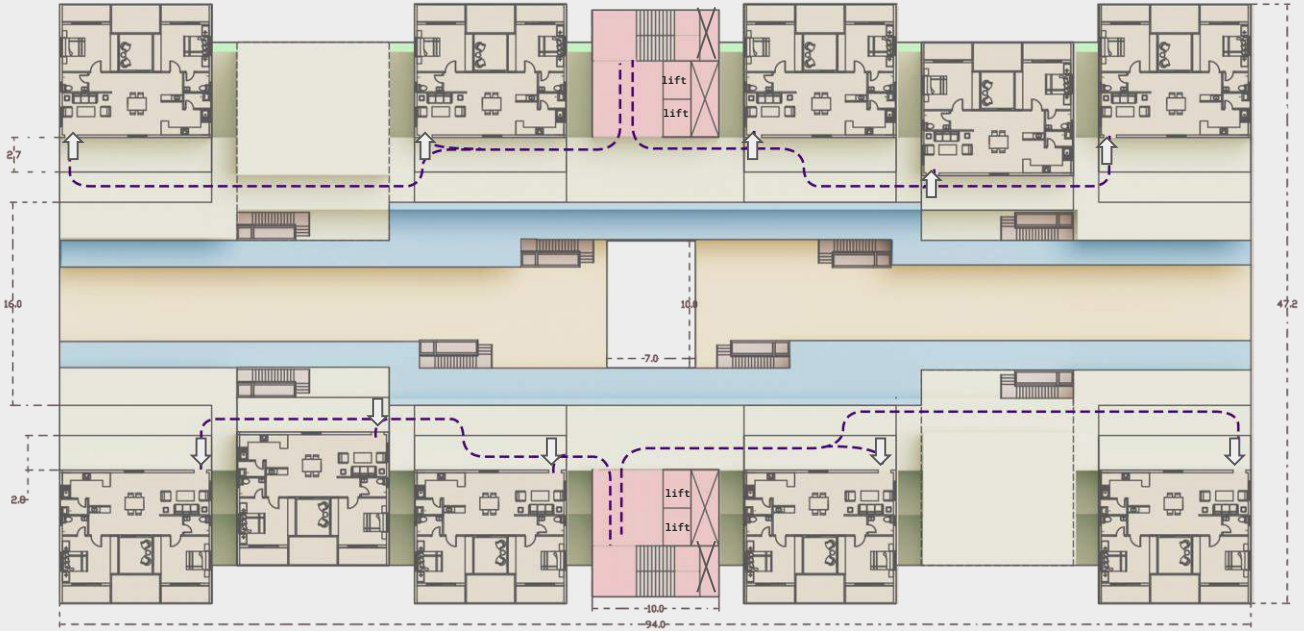
Typologies in Cluster

2.5BHK Lane



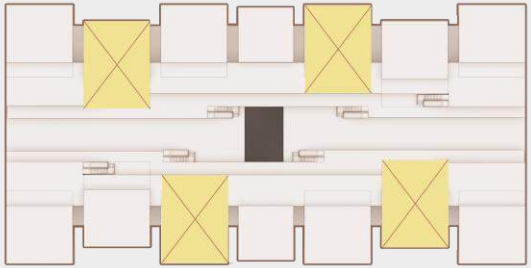
Typologies in Cluster

2BHK Lane

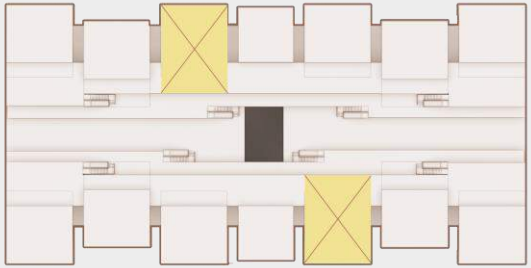


Voids In Cluster Formation

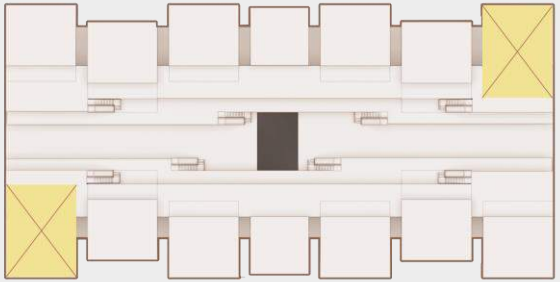
Different Hybrid Spaces In Street(block A)



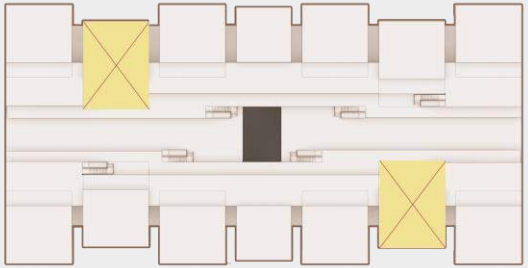
Level 6



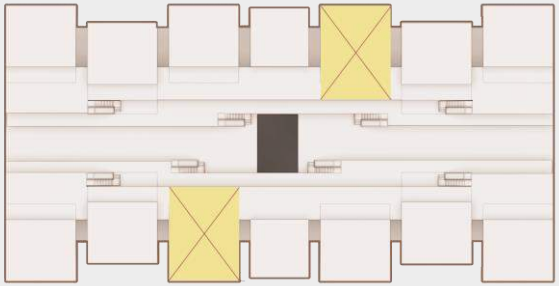
Level 1,9



Level 2,5,10

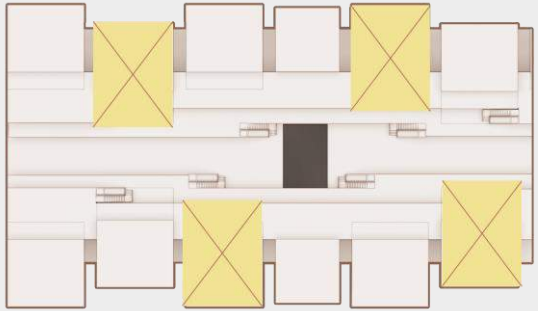


Level 3,7,11

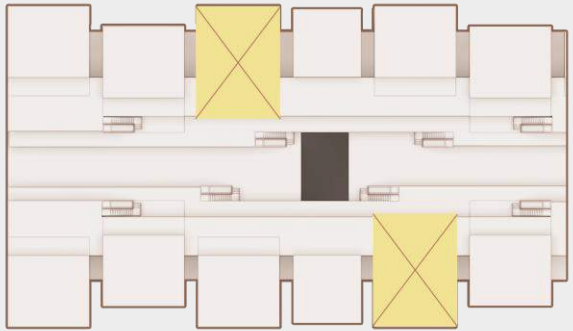


Level 4,11

Voids In Cluster Formation

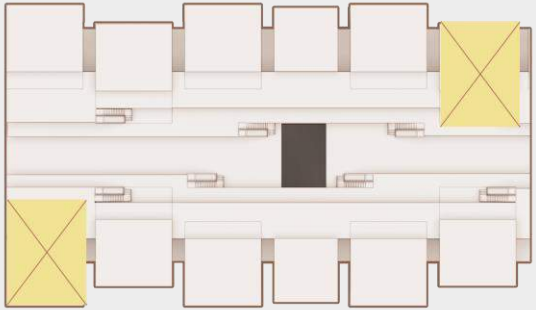


Level 2,7

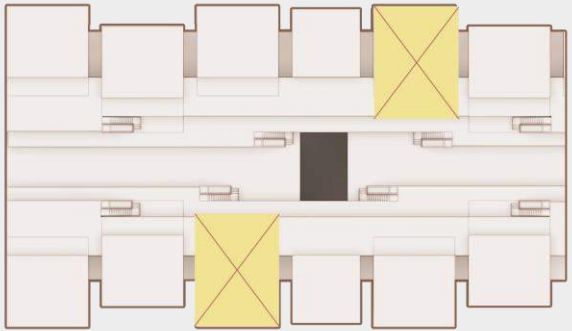


Level 4,6

Different Hybrid Spaces In Street(block B)



Level 3,8



Level 1,5,9

Respecting The Individuality

Respecting the individuality of every owner of the flat, creating A Recreational Hybrid Space in the apartments will give them a benefit Of Transforming The Space For Their Use. Spaces can be easily changed by the Provided Modular Sliding Panels in the flats itself and they can transform it for multipurpose as they choose to be.

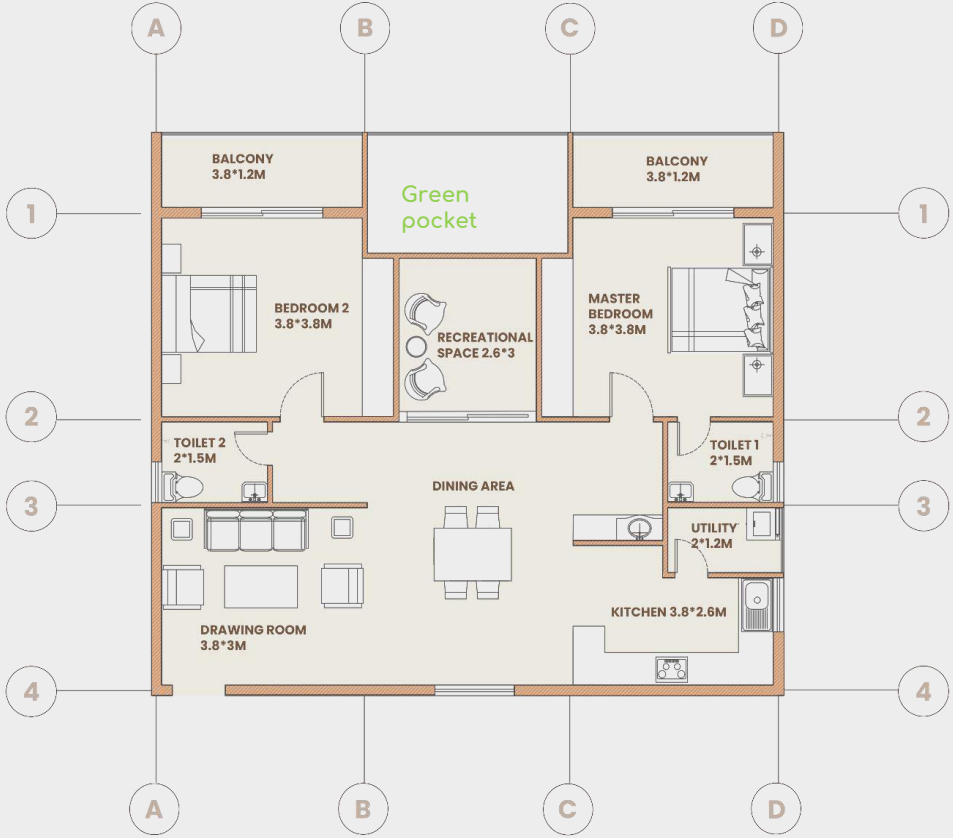
Interior Spaces

Recreational Space Formation

Connecting and removing Sliding panels to creat new spaces. Can be used for kids playing area, yoga room, personal study desk and more. It is totally depends on the individual need of the owner to use the space of their choice.

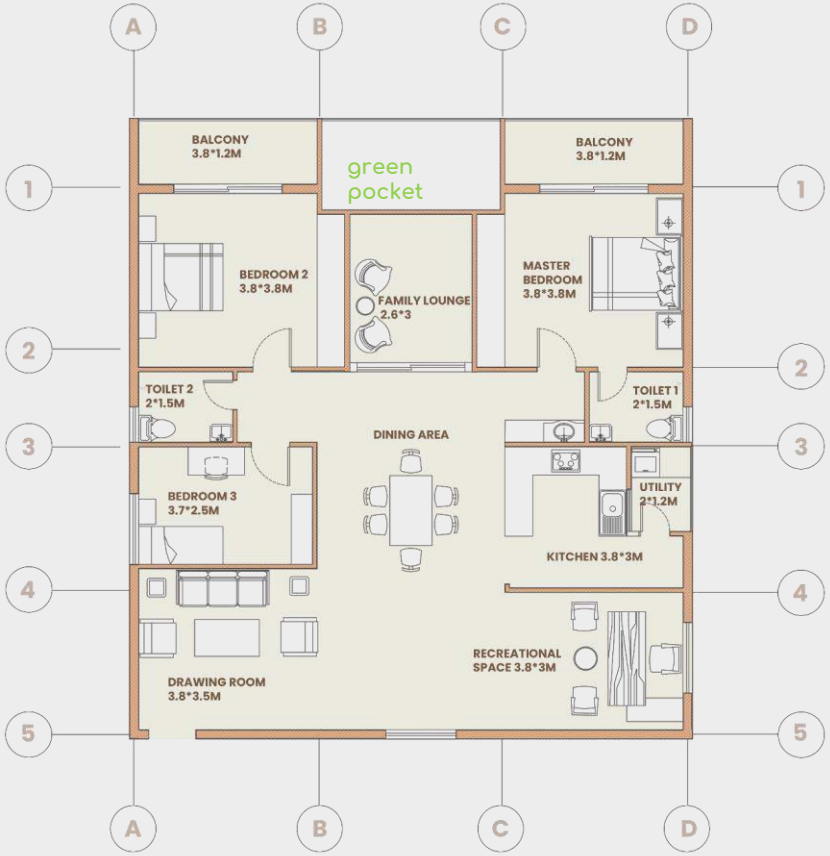
Floor Plan

2BHK (120sqm)(12*10M)



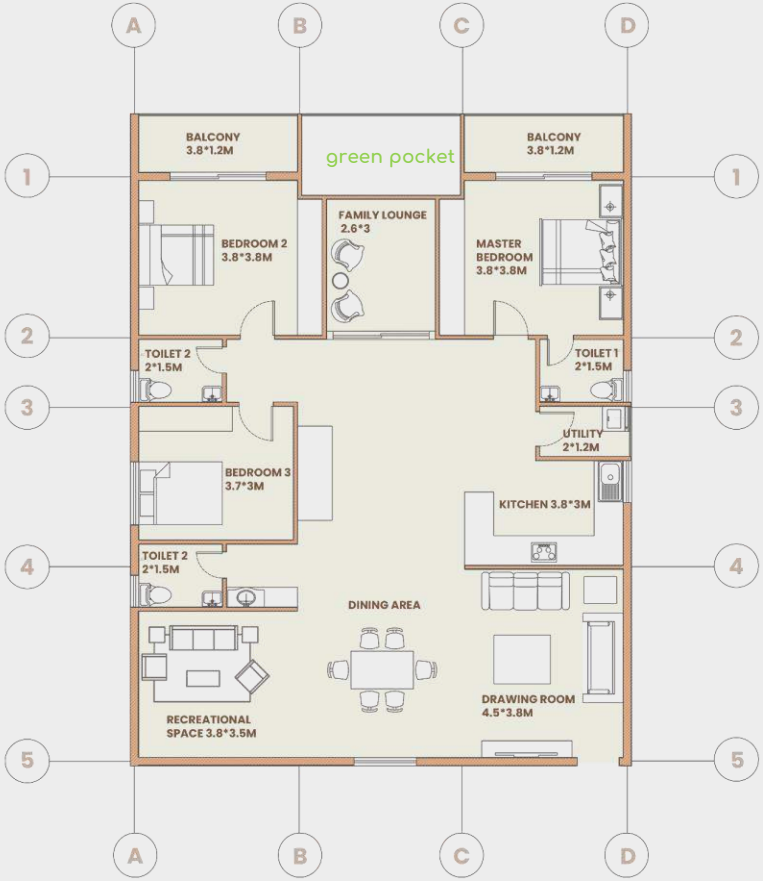
Floor Plan

2.5BHK (150sqm)(13*12M)



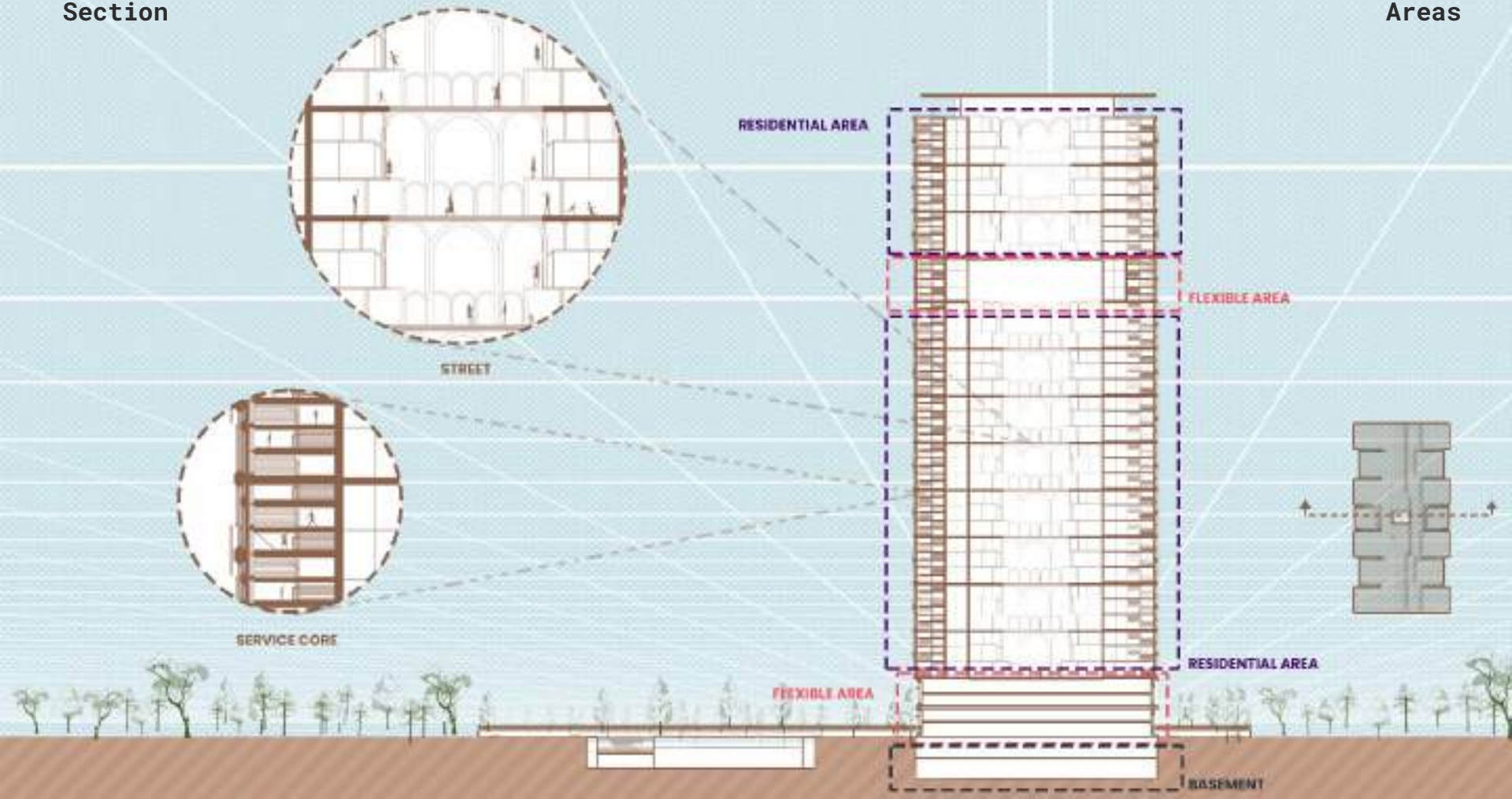
Floor Plan

3BHK (180sqm)(15*12M)

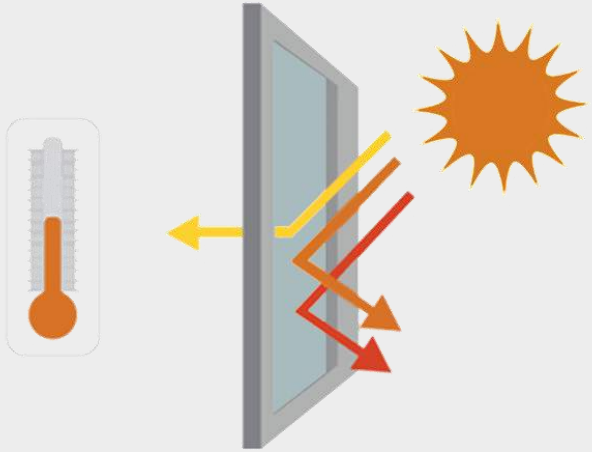


Section

Areas



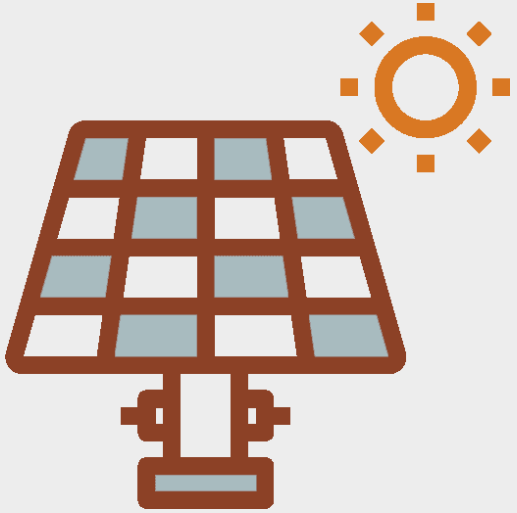
Design Attributes



Solar Control Glass

Reflective glass allows optimum natural daylight through, thereby improving occupants' health and well-being.The lower solar factor of Solar Control Glass cuts down on the heat transmission and helps prevent the interiors from heating up. Reduces uncomfortable glare from the sun.

Design Attributes



Solar panels

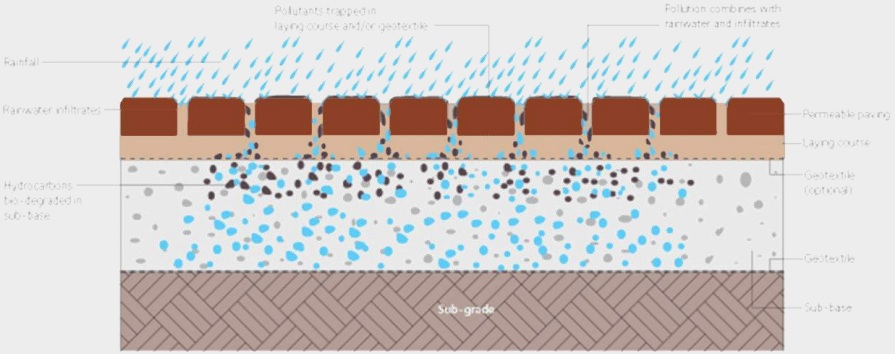
Reflective glass allows optimum natural daylight through, thereby improving occupants' health and well-being.The lower solar factor of Solar Control Glass cuts down on the heat transmission and helps prevent the interiors from heating up. Reduces uncomfortable glare from the sun .

Design attributes

Rainwater Harvesting

Method that can be quite easily implemented. In times of such water scarcity Rainfall is collected and stored so that it can be used in the future. Rainwater harvesting can aid in the replenishing of groundwater resources which also affects the climatic conditions in areas with water scarcity.

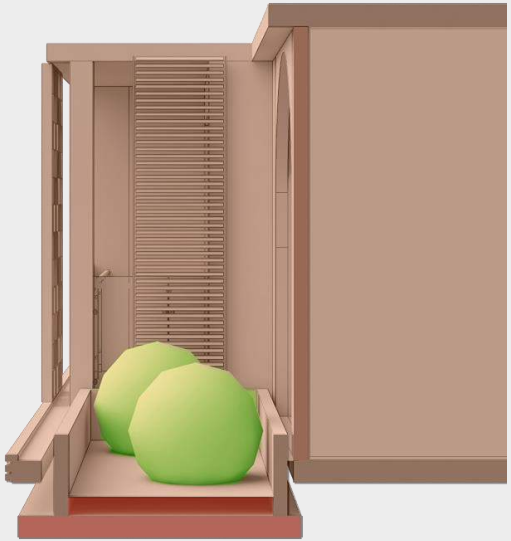
Design attributes

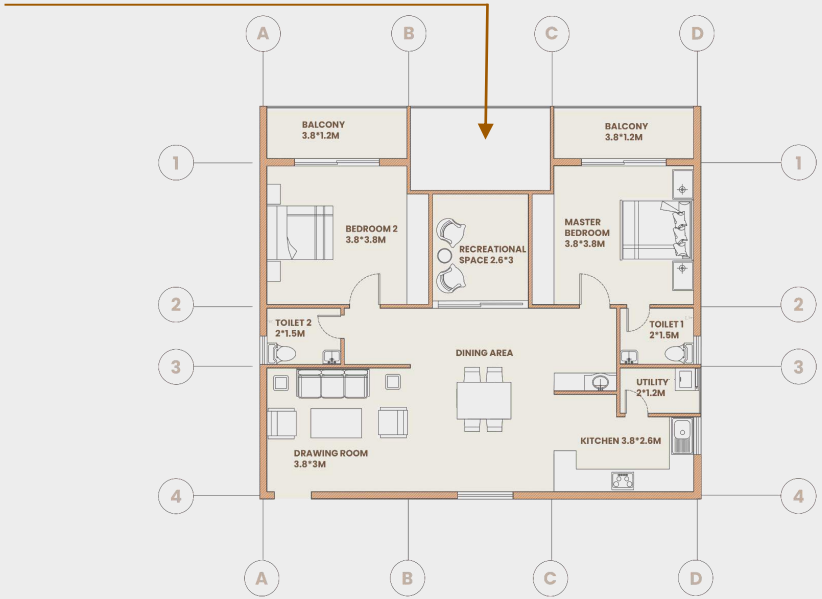


Permeable pavement

Permeable pavements are designed to infiltrate storm water, reduce peak flows, filter and clean contaminants in the water stream, and promote groundwater recharge.Best management practices for storm water management

Design attributes





Green Pocket

Provided at every flat for green and refreshing air. Also works as vertical greenery throughout the building makes the façade of the builidng aesthetically pleasing.

Programming in Flexible Area

Indoor Games

Laundry

Yoga

Salon

Cafe

Clinic

Swimming pool

Lounge

Multi-purpose hall

Spa

Gym

Co-Working space

Restaurant

Guest room

Library

AREA STATEMENT

SITE AREA - 47734 SQM(350*150M)
30% FLEXIBLE AREA - 57031 SQM

ACCORDING TO F.A.R - 190104 SQM
CLUB HOUSE AREA- 1435 SQM

BUILTUP AREA - 13007 SQM
MORE THAN 15% GREEN AREA - 11232 SQM

BLOCK A

TOTAL FLOOR -42
FLEXIBLE PROGRAMS - 6 FLOOR
RESIDENTIAL - 32 FLOOR
FLEXIBLE PROGRAM AREA - 26568SQM
RESIDENTIAL AREA - 54864 SQM

2 BHK - 120 SQM - 244 UNITS
2.5 BHK - 150 SQM - 244 UNITS
3 BHK - 180 SQM - 244 UNITS

TOTAL UNITS
450 SQM - 732 UNITS

BLOCK B AND C

TOTAL FLOOR -40
FLEXIBLE PROGRAMS - 4 FLOOR
FLEXIBLE AREA PER FLOOR -3572
RESIDENTIAL - 36 FLOOR
FLEXIBLE PROGRAM AREA - 14288 SQM
RESIDENTIAL AREA - 38100 SQM

CAR PER UNITS - 732
CAR FOR COMMERCIAL - 560
TOTAL NO. 1292

BASEMENT - 15469 SQM
TOTAL AREA-
15469X3 = 46407 SQM

Thank You