

# living spaces

The given details are of a space on the **12<sup>th</sup> floor** of a residential building in Mumbai. It's top floor with a **small terrace** on the 13<sup>th</sup> floor which is accessible from within the home. The purchase is an empty shell needs a finished flat, demonstrating an effective use of limited space.

Surrounded by the Arabian Sea on its west, the site is located at **Juhu, Mumbai**, which has a **tropical climate** and a good deal of **rainfall**. The site experiences great amount of humidity due to being close to the sea.





Name : **Mrs. Sudha Shetty**  
Age : 70 years  
Occupation : Retired IPS Officer, Serves  
in an NGO, Homemaker  
Hobbies : Gardening, contribution towards  
environment preservation  
Place of  
Birth : Karnataka, India



Name : **Mr. Rohan Shetty**  
Age : 21 years  
Occupation : Student of Electronic Engg.  
Hobbies : Gaming, workouts, Sports  
enthusiast  
Place of  
Birth : Mumbai, India

Rohan's Parents died in an accident 11 years ago.  
He inherited his parent's property and Sudha ji is a  
widow who gets money via pension.



## user analysis

### Requirements:

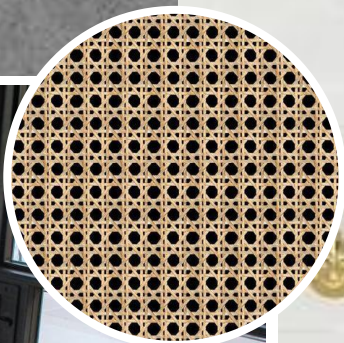
- LIVING ROOM
- TWO BEDROOMS
- KITCHEN
- INTERNAL COURTYARD
- POWDER ROOM
- DINING SPACE
- TERRACE GARDEN
- MAINTAINENCE ROOM ON TERRACE
- SOLAR PANELS
- PERGOLA

This project has a strong sense of acceptance of a certain culture and the incorporation of HYBRID ACROSS AGE in it.

It reflects in the User Persona and helps to diversify the design while considering the range of materials to be selected to comfort the hybrid ages of the occupants.



*vernacular*



*neutral*



moodboard



concept of HYBRID

The idea is to rightly consider the extremities of the age group of the occupants and to make the residence a cohesive space for both the grandmother and the grandson.

From the range of materials to be used, to the kind of arrangements to be made to make their living senior citizen friendly; ergonomics and right selection of material remain the most important part of concept development.

Having an interest in vernacular living and the passion for using locally available materials, the clients were looking for vernacular architecture and closer towards their hometown, Karnataka.

HYBRID

AGE

TERRAZZO  
TILES

TERRACOTTA  
CLAY TILE

UPVC GLASS

RED OXIDE  
FLOORING

HOLLOW  
CONCRETE  
BRICKS

EXPOSED  
CONCRETE  
WALLS

MATERIAL

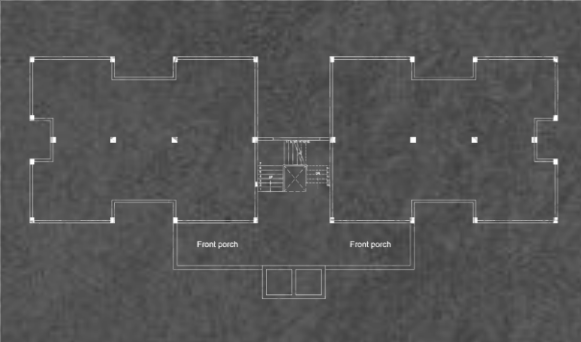
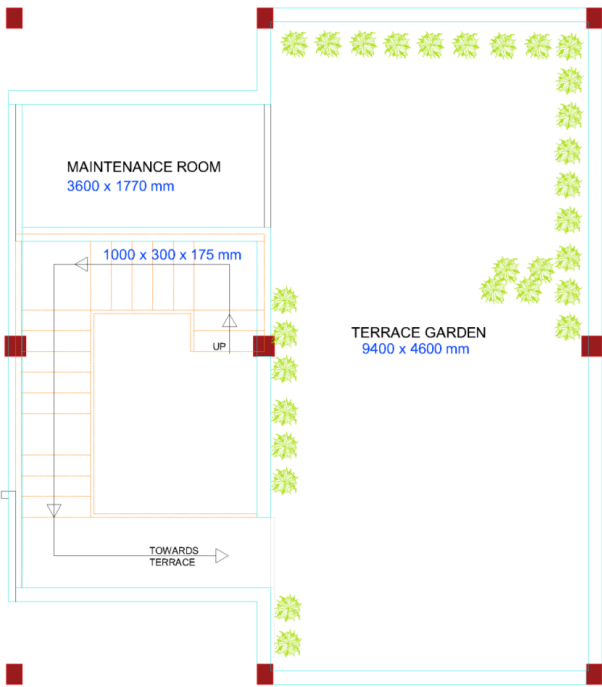
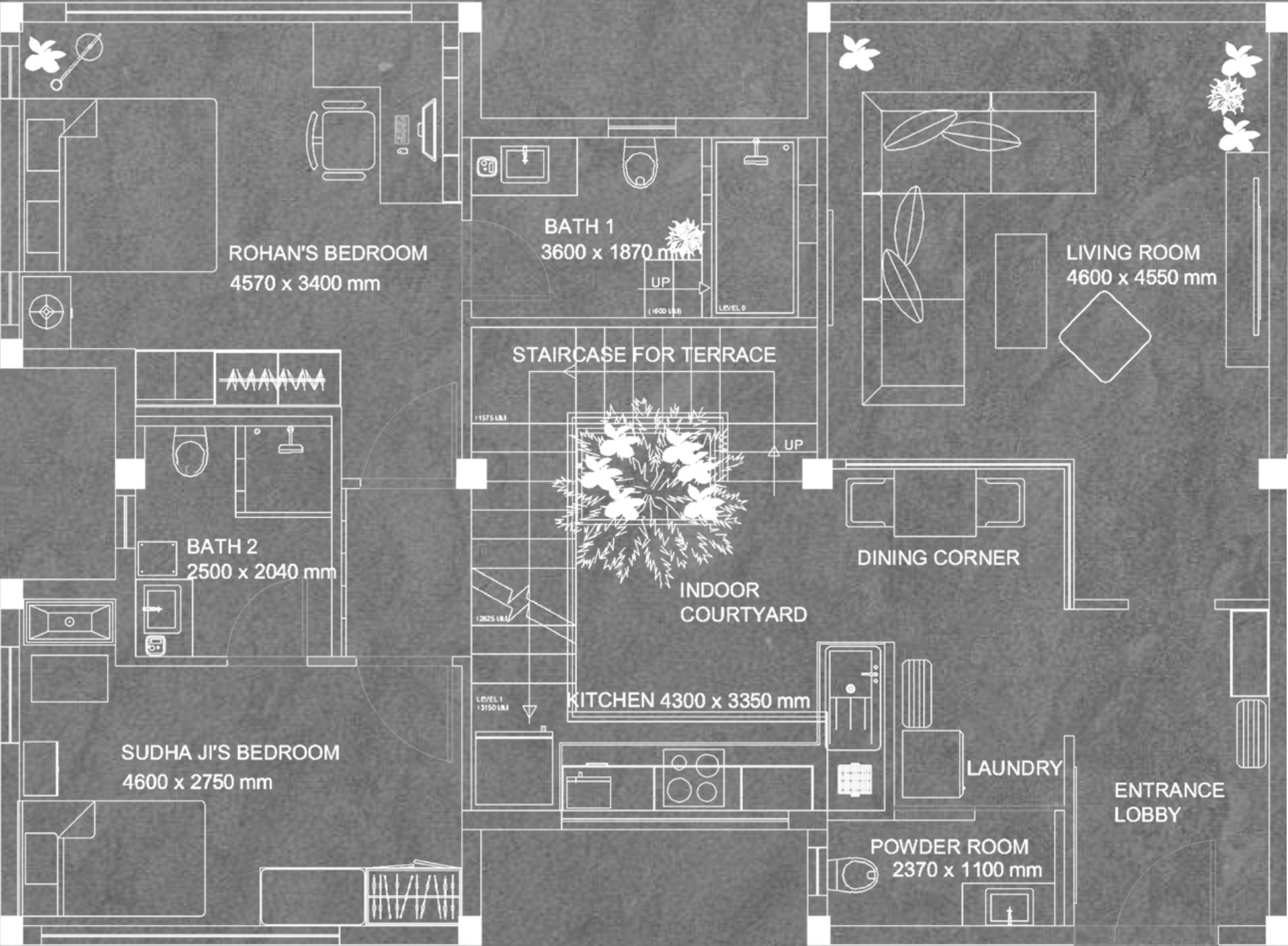
Sustainability attained by  
material choices

GRANDMOTHER

GRANDSON

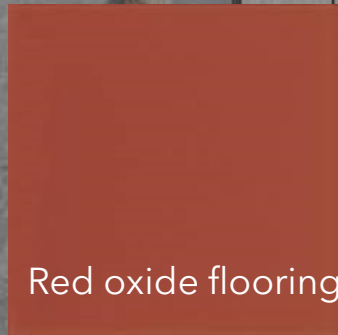


plans

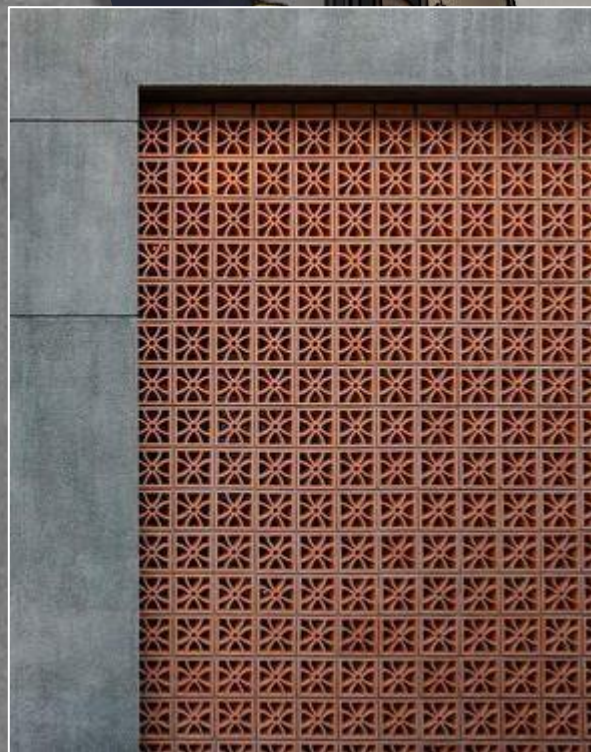




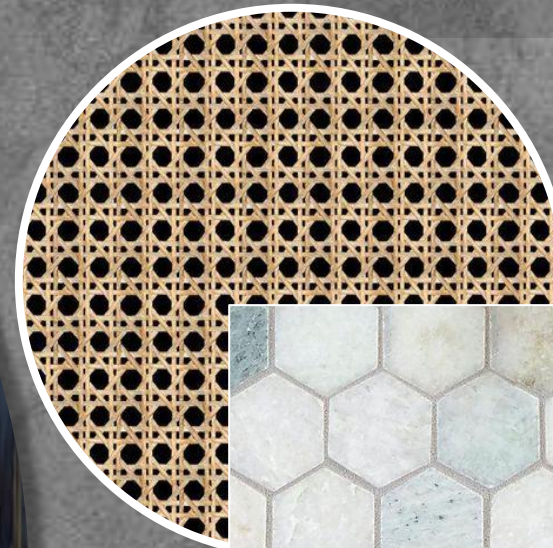
# material board



Red oxide flooring

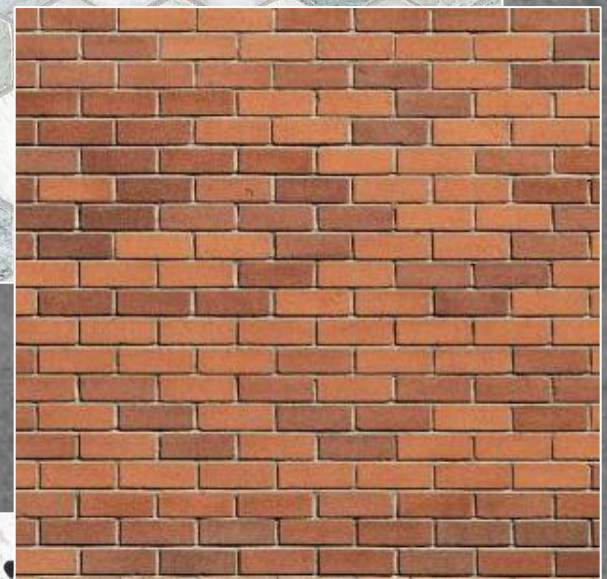
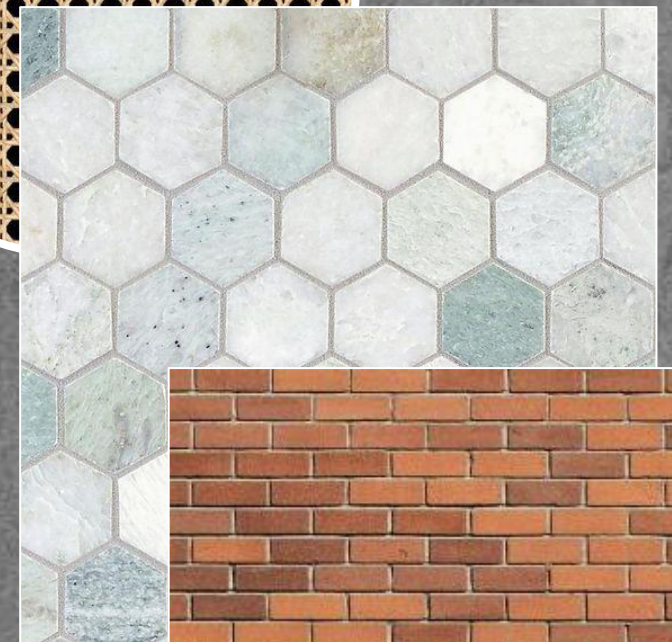


Terracotta



Cane

Backsplash TILES



Mud brick wall

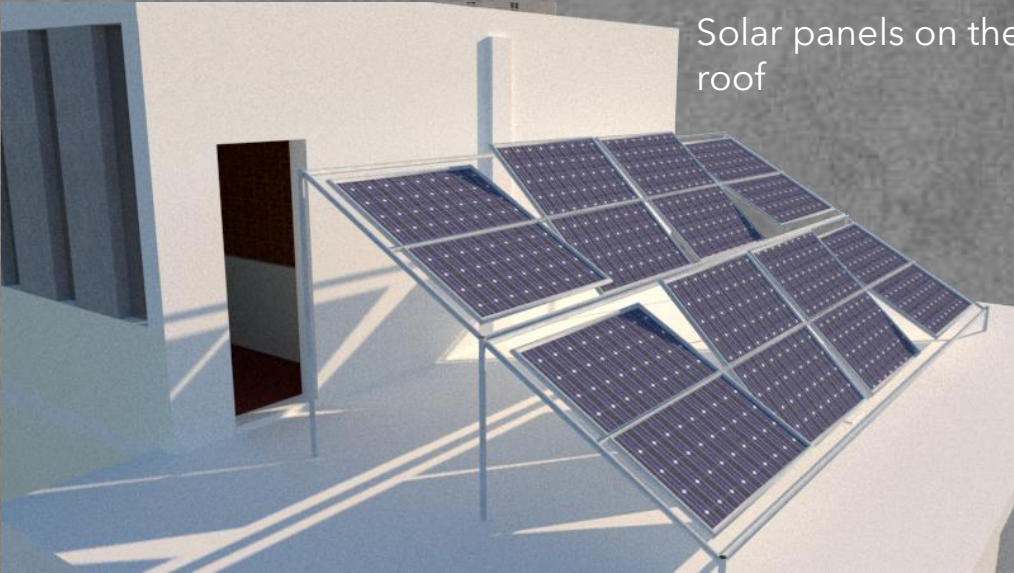


Hollow concrete block



Terrazzo tiles





Solar panels on the roof



Skylights above staircase for continuous light intake & cutoff of heat gain as no much human interaction



Terracotta clay tiles



Flow restrictor water faucets



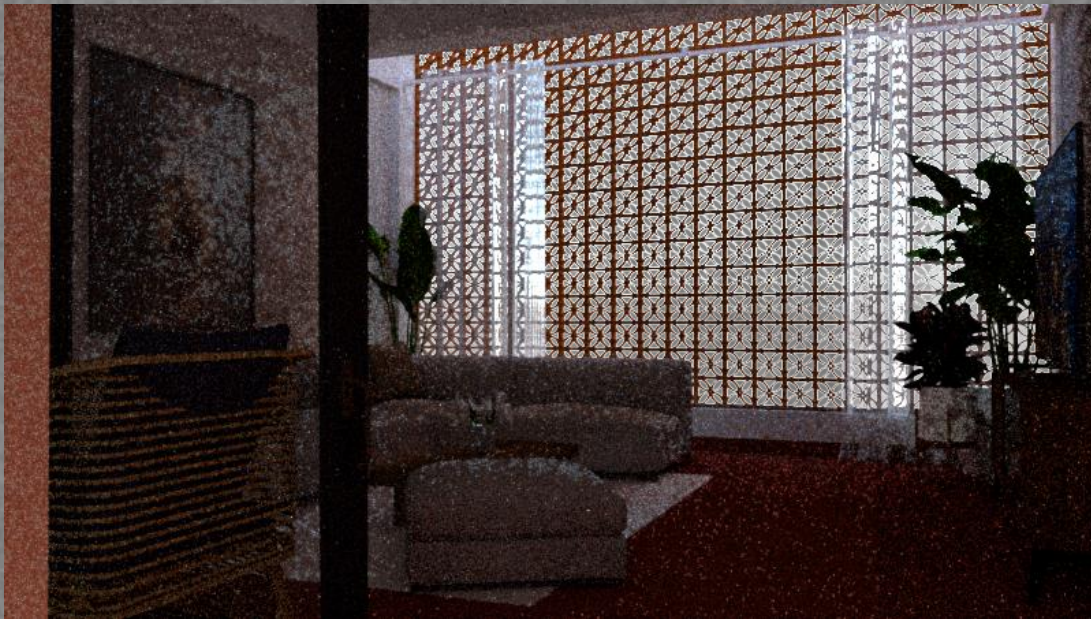
Vents near skylight



Skylight

sustainability





Terrace vegetable garden with a maintenance room and pergolas as roofs



Work from home for Rohan



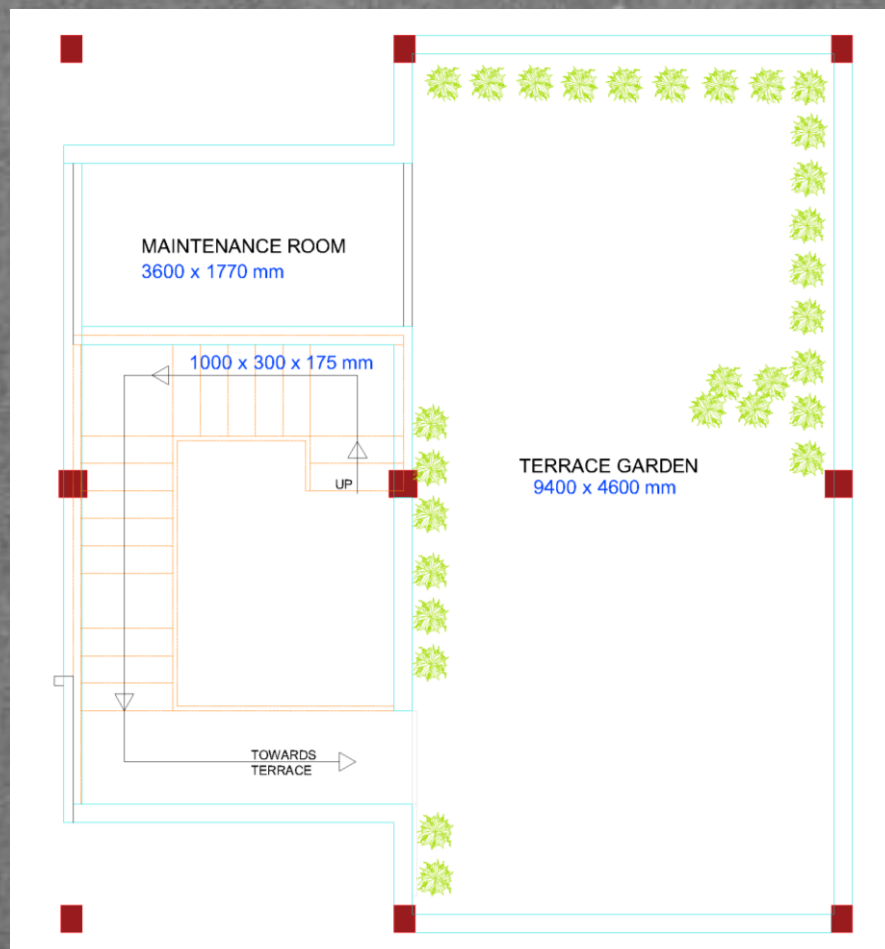
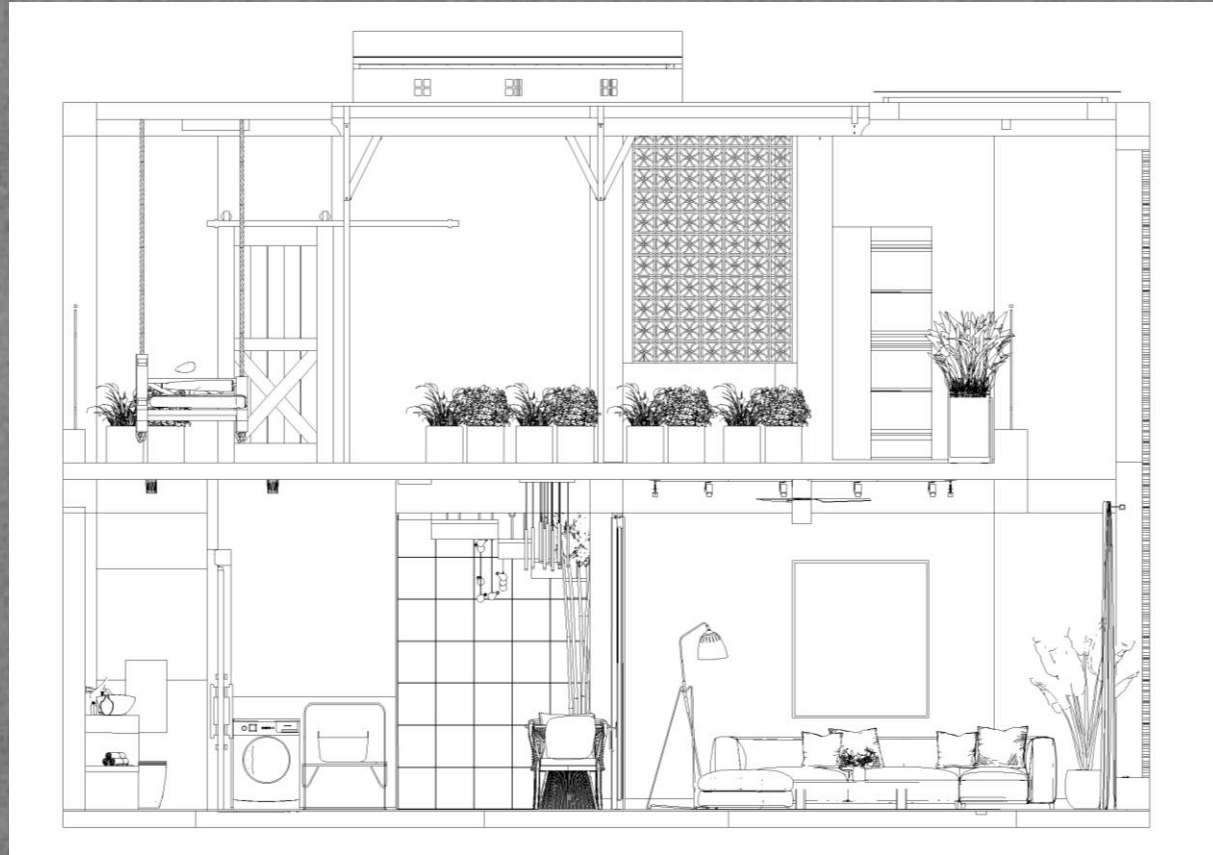
Corner sliding window for transparency



Rohan's bedroom with west & south windows for cross ventilation









## Area Statement

Built up Area : 120 sqm

Internal Space segregation :

Living room : 4.6m \* 4.5m

Kitchen 4.3m \* 3.35cm

Grand Mother's Bedroom : 2.75m \* 4.6m

Grand Mother's Bath : 2.5m \* 2.04m

Grand Son's room WC : 4.57m \* 3.4m

Powder Room : 2.37m \* 1.1m

Terrace : 4.6m \* 9.4m

Maintainance : 3.6 \* 1.77m

