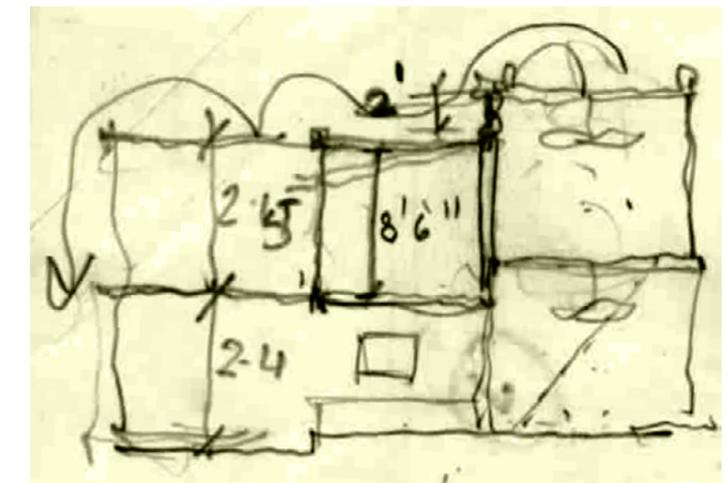
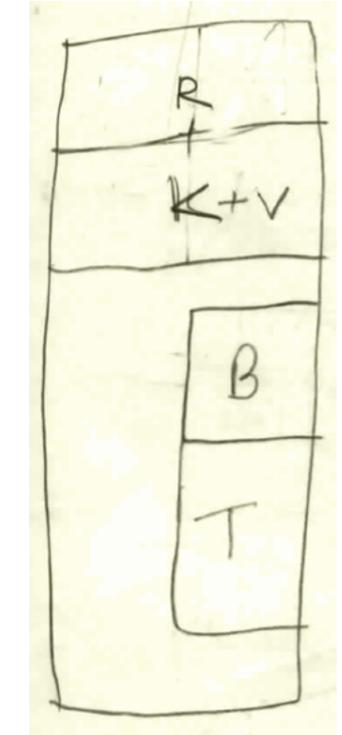
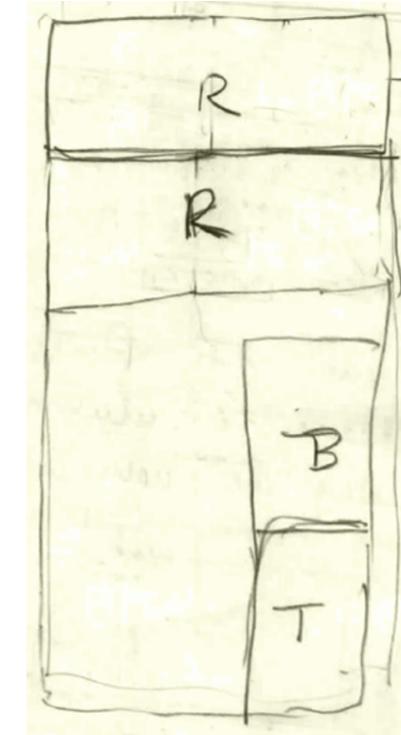
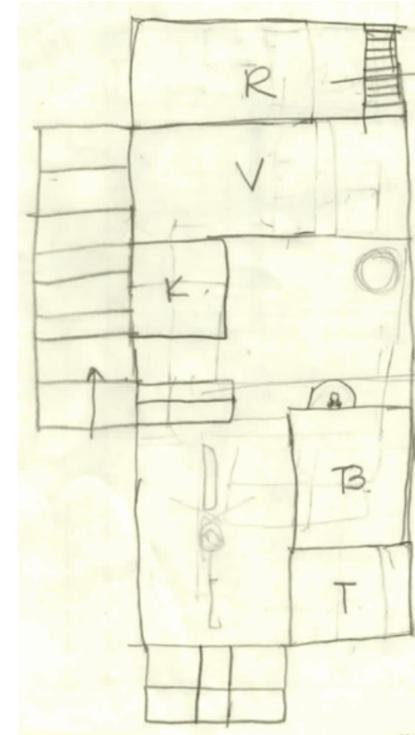
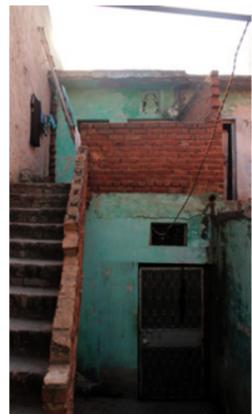
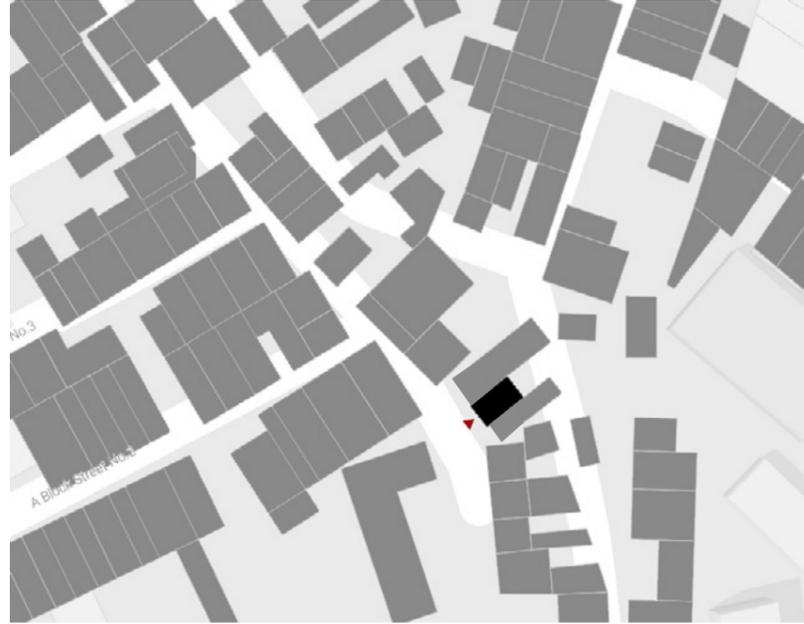


Site , existing conditions & Design Development/

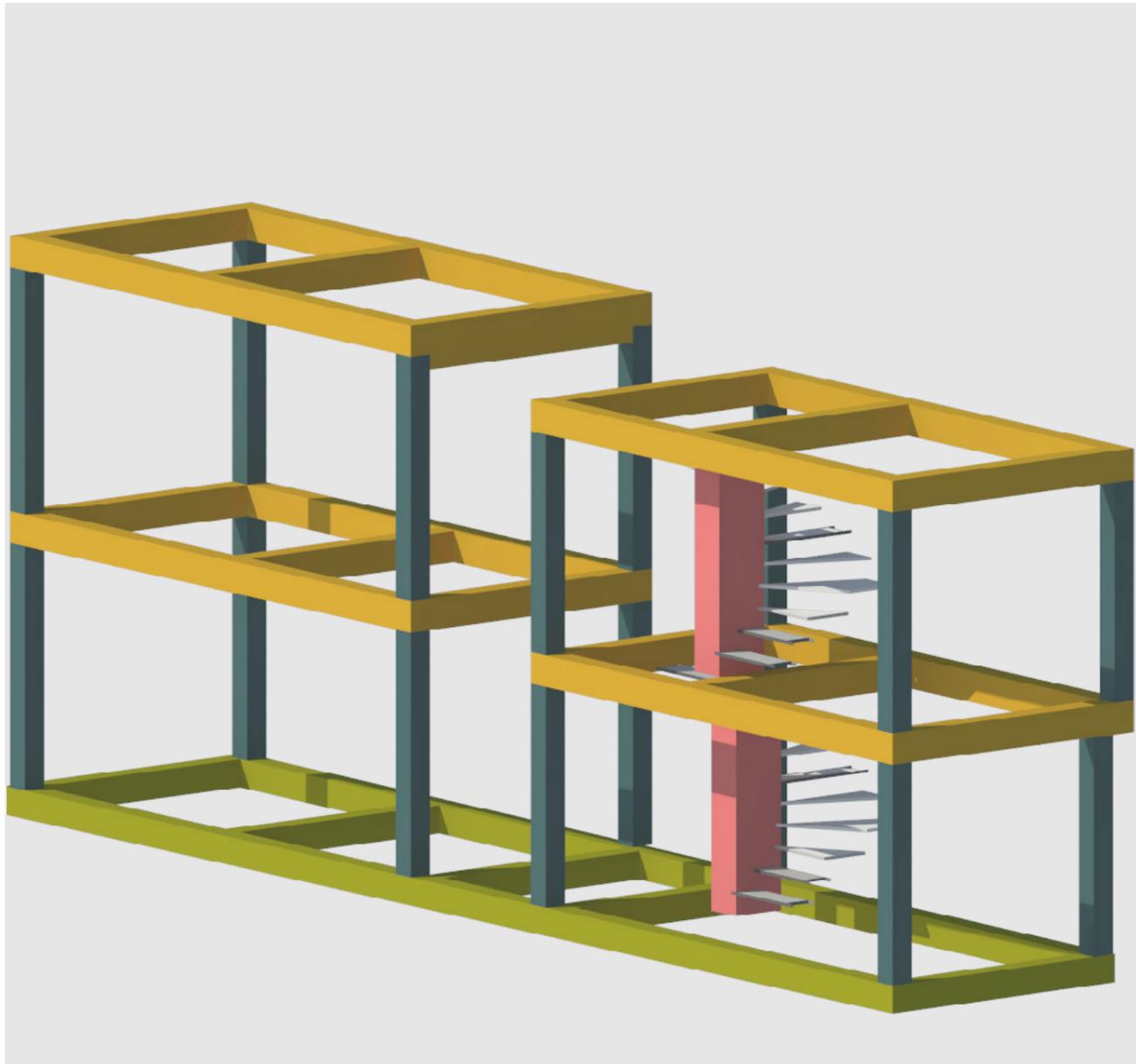


AARTI'S SKETCHES

At the beginning of this project, we asked Aarti to sketch her idea of what she wants her house to be like. This exercise was carried out with the objective of understanding the family's living pattern and spatial needs. The idea was that children are more likely to share honest views and ideas about such questions.



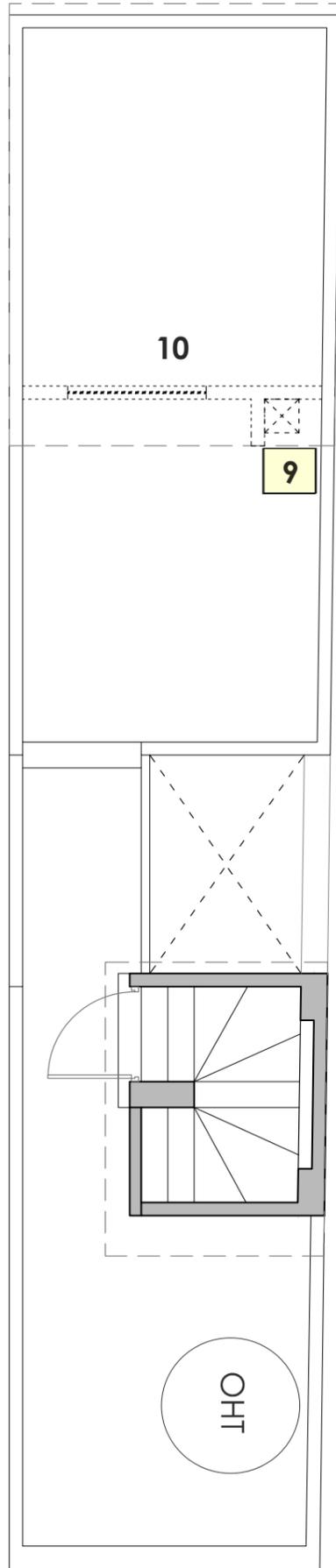
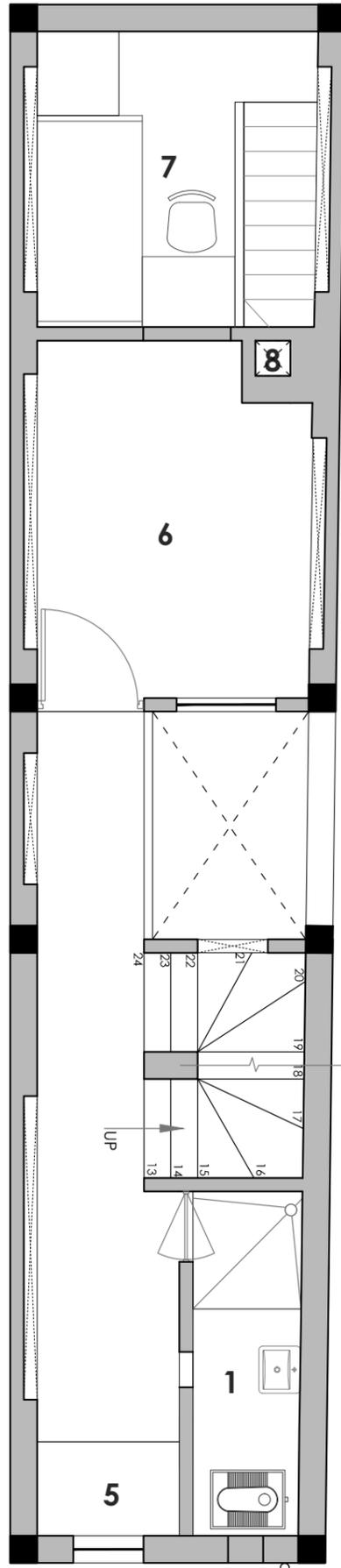
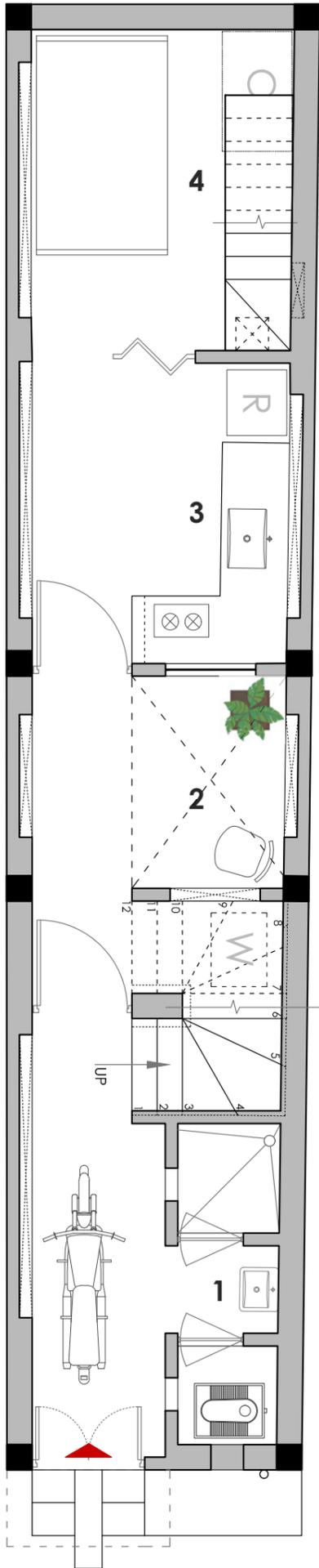
Documenting the construction process/ Demolishing and rebuilding



STRUCTURAL SYSTEM

A simple column-beam structure was devised for this house. This was done to ensure ease and speed of construction. Minimally reinforced concrete with brick infills were used for the structure, of which two thirds of the brick had been salvaged from the old house.





GROUND FLOOR

- 1-** Toilet
- 2-** Open to sky court
- 3-** Kitchen & living space
- 4-** Main bedroom

FIRST FLOOR

- 1-** Toilet
- 5-** Kitchenette (rentable)
- 6-** Room : rentable
- 7-** Aarti's secret bedroom
- 8-** Cooling shaft

TERRACE

- 9-** Cooler
- 10-** Ventilator for room below

SCALE 1:50

The house has been designed using simple planning techniques.

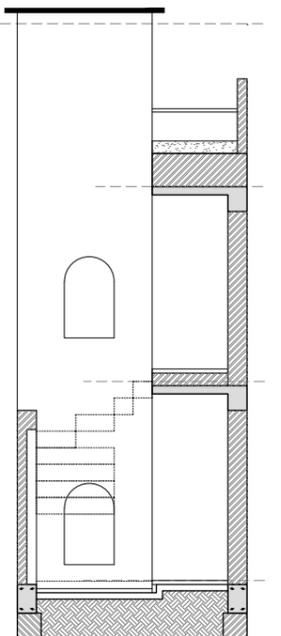
The Ground floor is the space for Artis family who are also the owners and clients. The staircase has been strategically located to ensure that the tenants living upstairs dont enter the house. The open court acts as the central source for natural ventilation and light. Adjoining this court is the kitchen and washing area , both being spaces that require proper ventilaton.

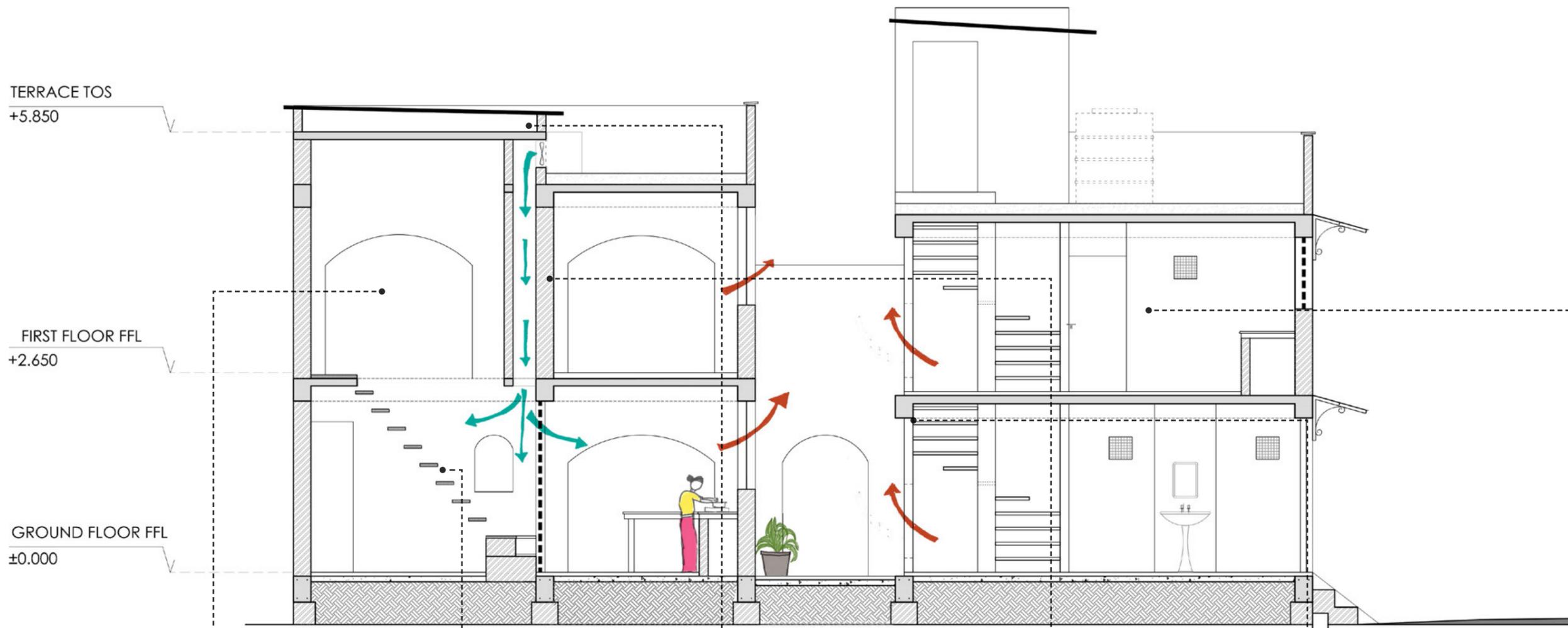
The kitchen also acts as a transition space for the main bedroom at the rear end. These rooms can be combined to form a large gathering space , or be divided by a foldable partition that has been provided in between them, as per need.

One of the main features of this house, is a concealed staircase at the rear, which leads up to Aartis room on the floor above, a crucial addition.

The Second floor has been designed as a rentable space in the house. In addition to this is Aarti's room, which is completely disconnected from the rest of the floor space. This would ensure a sense of security and privacy for Aarti.

The terrace has been left open for the children to play, fresh air and as a space for drying activities. The cooler has been placed here, from where the cooling shaft carries cool air to the lower floors.





LONGITUDINAL SECTION THROUGH THE HOUSE , SCALE 1:50

The house consists open courts for fresh air, ventilation and natural light.

A cooling shaft has been designed towards the rear end of the house, which has a cooler connected to it at the terrace level. In the summer months, this cooler runs through the day and helps bring down the temperature significantly. This feature has proved to be extremely successful.

The floor height of the rear half of the house is higher, in order to ensure comfortable proportions in the rooms that occupy a greater floor area.



Arches were made in the walls to reduce the quantity of bricks used, add aesthetic value as well as create a niche space for storage of small items



A **concealed staircase** was constructed at the rear end for accessing the room on the first floor for Aarti; a space where she could thrive



A **Ventilator** was added by extending the walls in Aarti's room to ensure day light and natural ventilation



A **cooling shaft** has a cooler fitted at the top of it on the terrace. This system works very efficiently in the summer months, ensuring the house remains cool



The **open to sky court** acts as a centre of many miscellaneous and leisure activities in the house besides providing open space for enjoying natural light and ventilation



The **staircase** is a crucial element in the house. In addition to circulation, the arches in its structure ensure it is naturally lit. The space underneath it is used as a washing area

Post construction/



The open to sky court in its current use : the court has become the center for a myriad of miscellaneous activities. The best naturally lit space in the house, it is ideal for enjoying the sun in the winter, and for carrying out daily chores like sewing, knitting and chopping vegetables. The kitchen window too, opens onto it allowing ventilation and temperature regulation.



The main bedroom space at the rear end of the house showing the concealed staircase leading up to a secluded space specially designed for Aarti. This room acts as the family room, where the members often spend time together watching television while enjoying their meals.



The entryway is a passage which opens into an open court in the middle and links all the spaces together, making the plan compact. The kitchen has developed as a transitional space for leisure activities of the house.