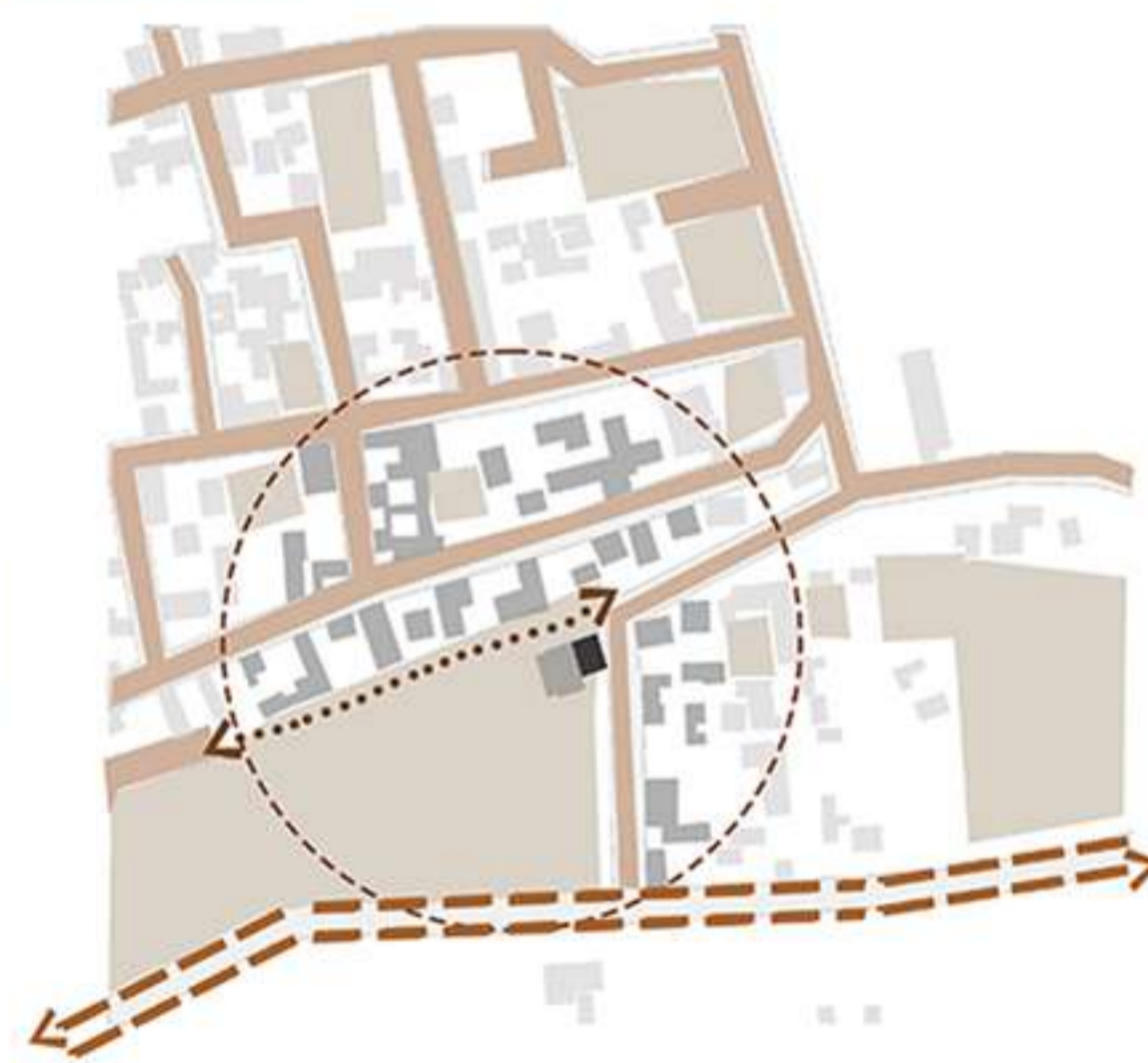
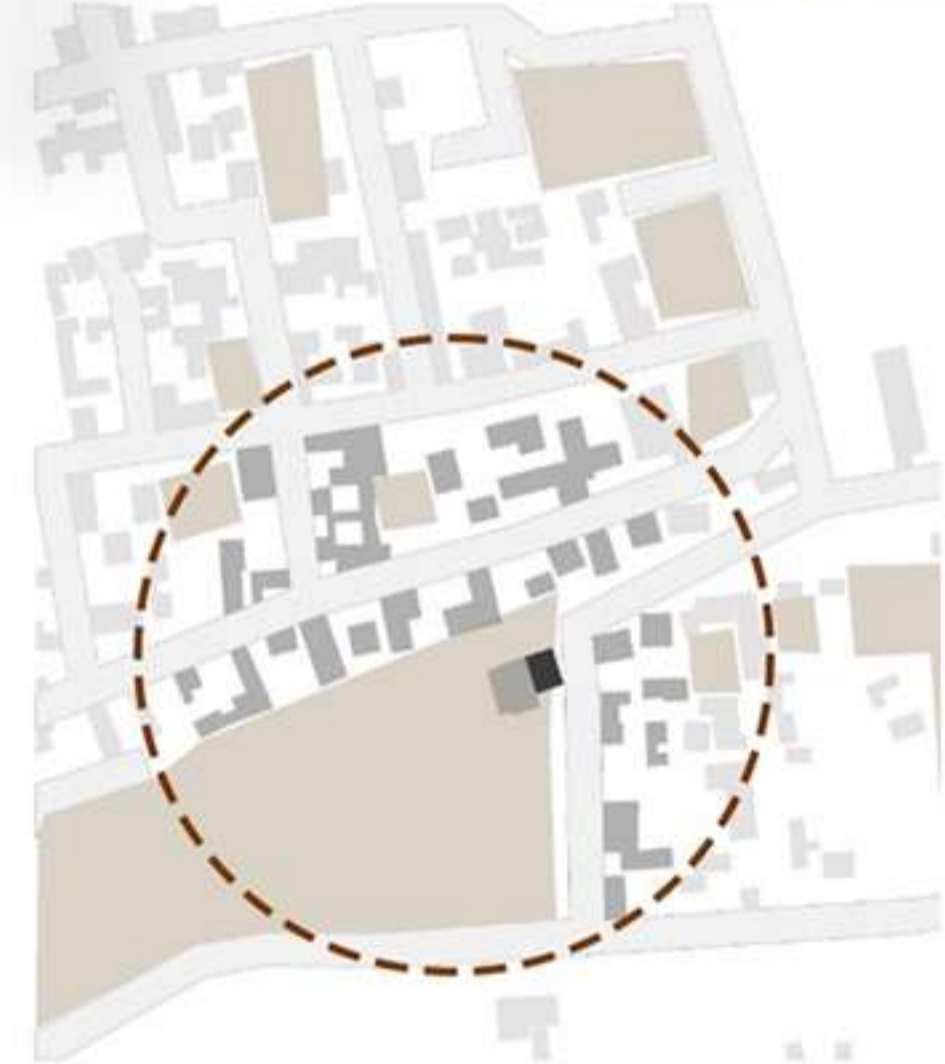
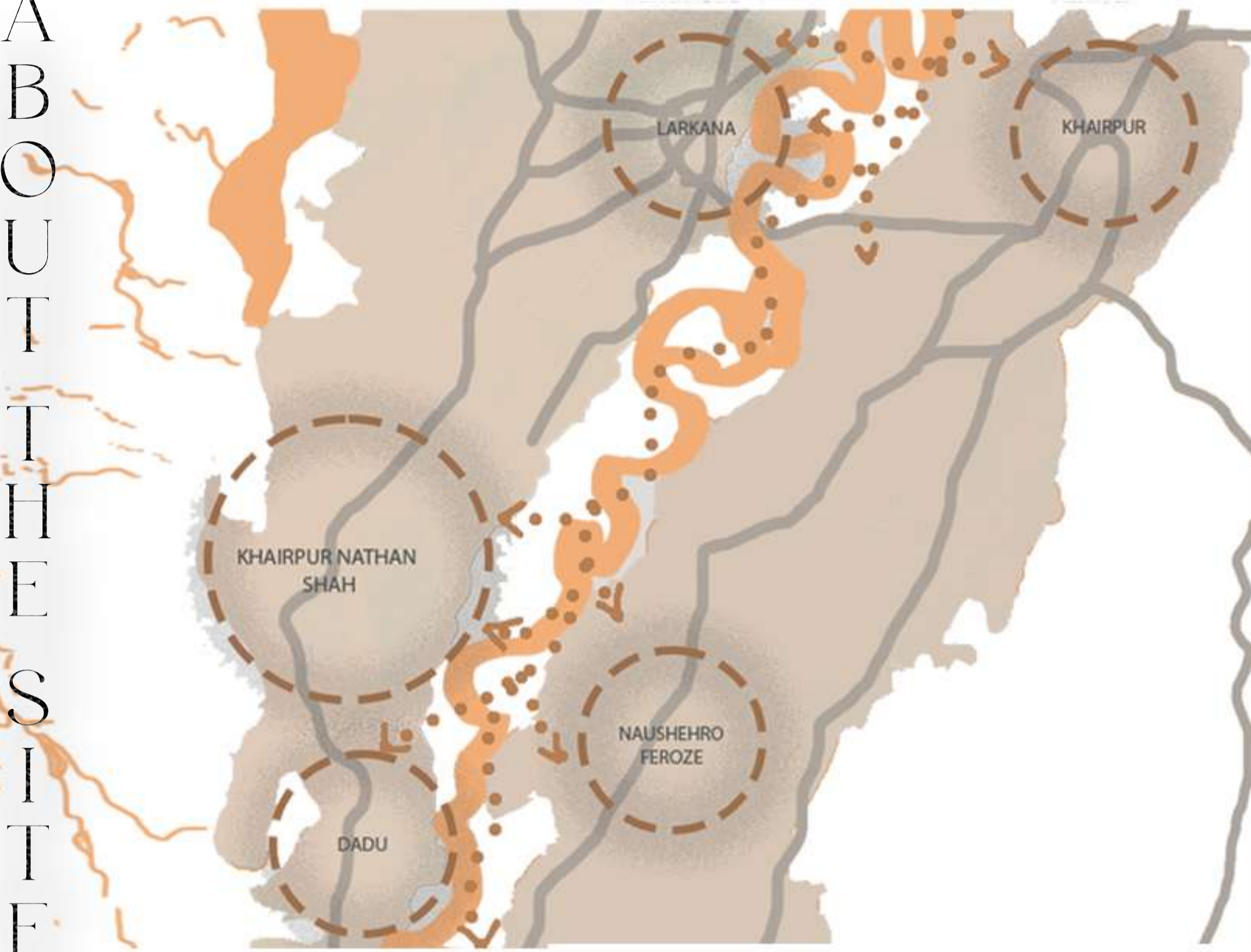
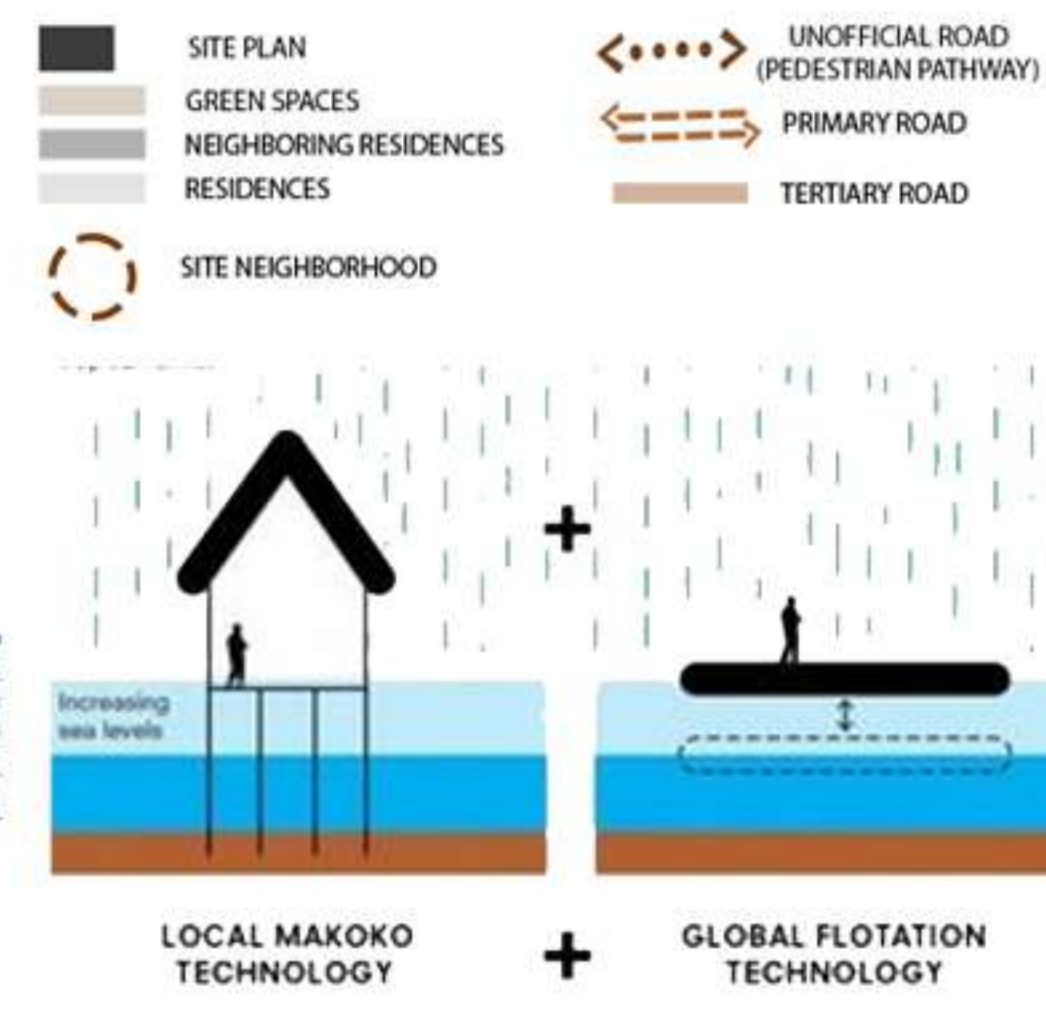
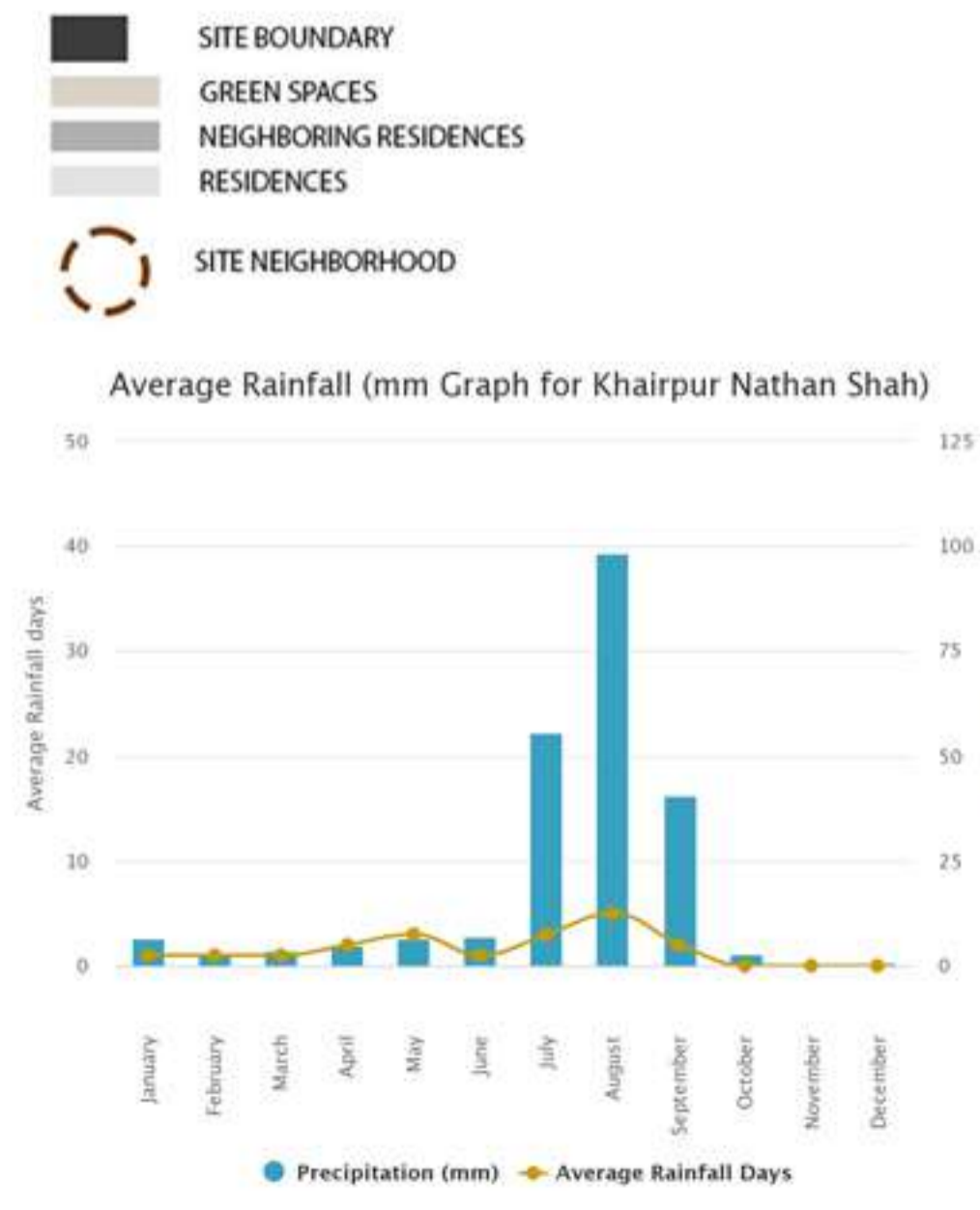
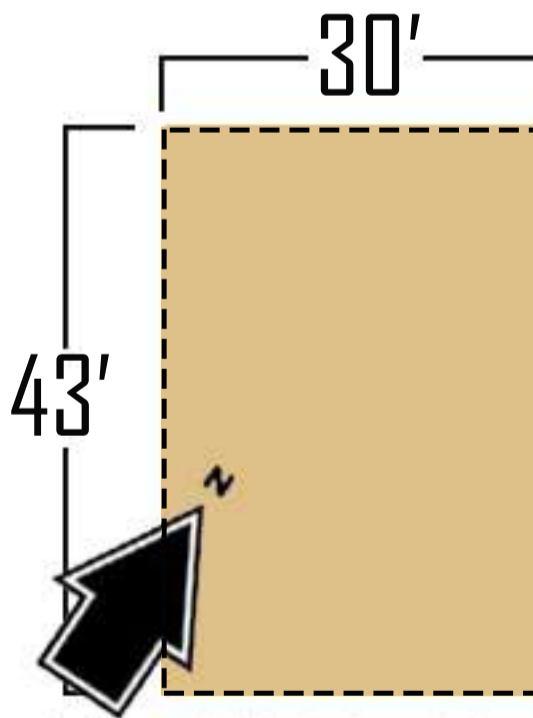


# RESILIENT HOUSING DESIGN IN FRAGILE SETTINGS – RES – HOUSE: "FROM FLOODED CITIES TO FLOATING CITIES"

ABOUT THE SITE



PLOT DIMENSIONS



The concept of our project is 'from flooded cities to floating cities', which is derived from the surrounding environments and its climatic nature, which causes destruction in several months of the year so to counter act this we have proposed a structure which can float to multiple heights to allow safety of the residents while also returning to land when the danger has passed



SPACE FOR NAMAZ FOR HOME OWNERS AND CLOSE NEIGHBORS



BARADARI GET-TOGETHER



EDUCATIONAL PURPOSES

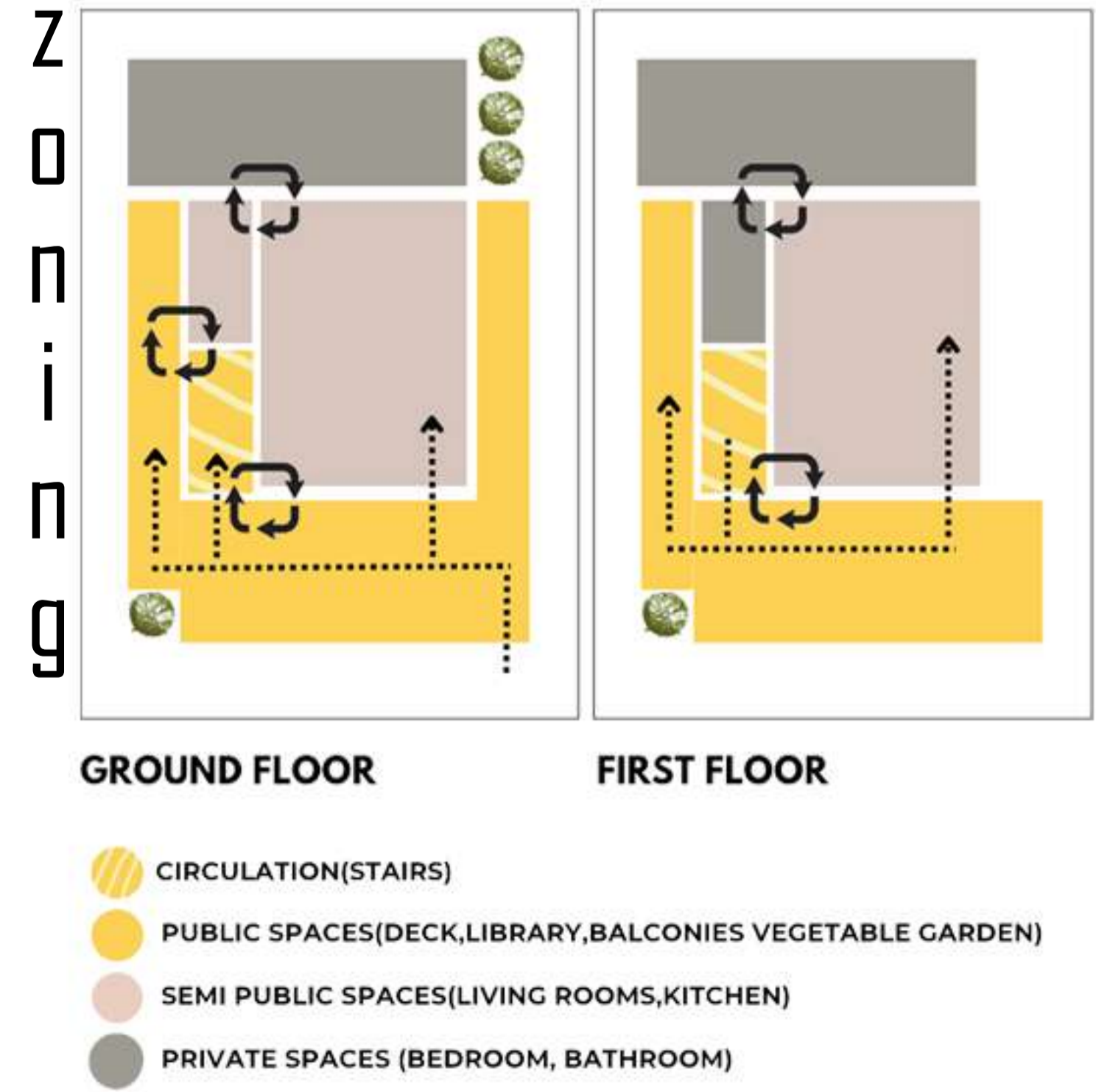


LEARN & GROW TOGETHER IN SHARED SPACES

while planning we have taken into account the cultural aspects of community, education and traditions while creating the design, which promotes togetherness, bond of community and visual access to one another to maintain it during natural devastation.

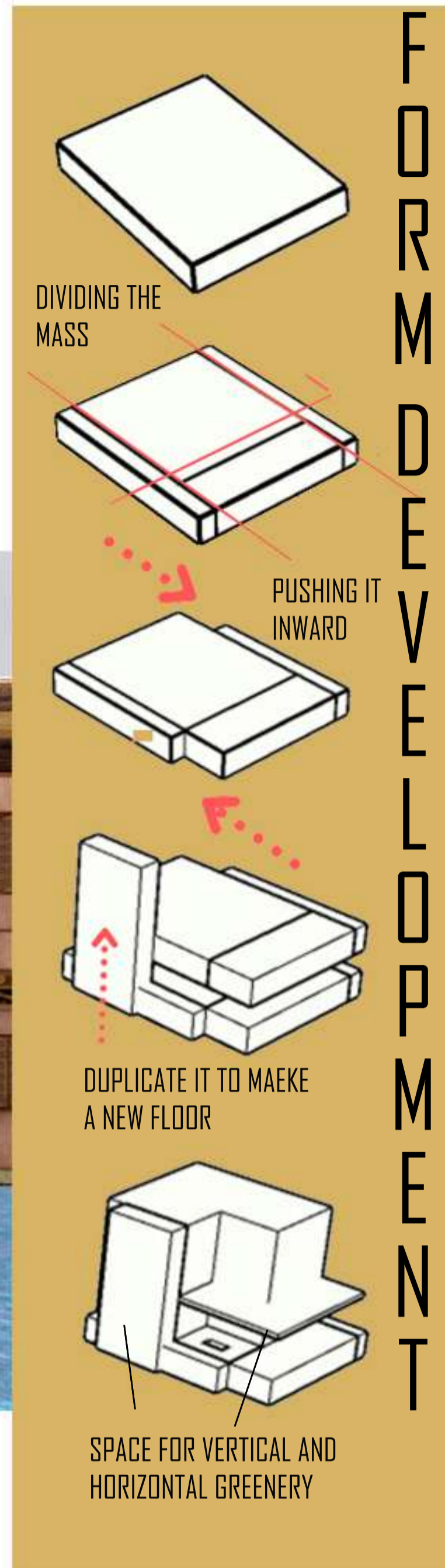
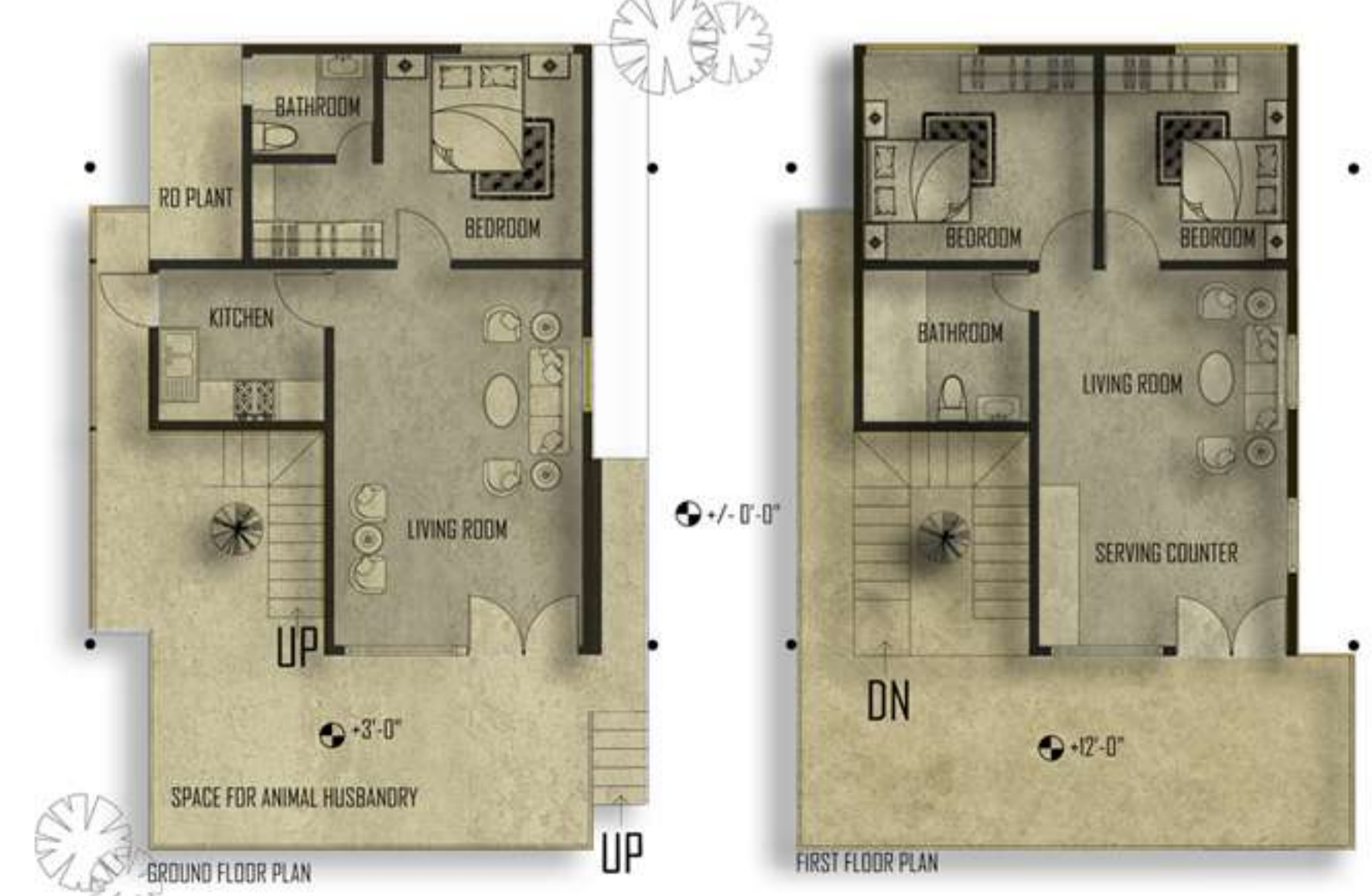


The new construction design for the existing users of the context mostly includes low-income groups. Thus the structure form is based on contextual and easy-to-do construction techniques and locally available materials with the element of innovation to make it affordable for them



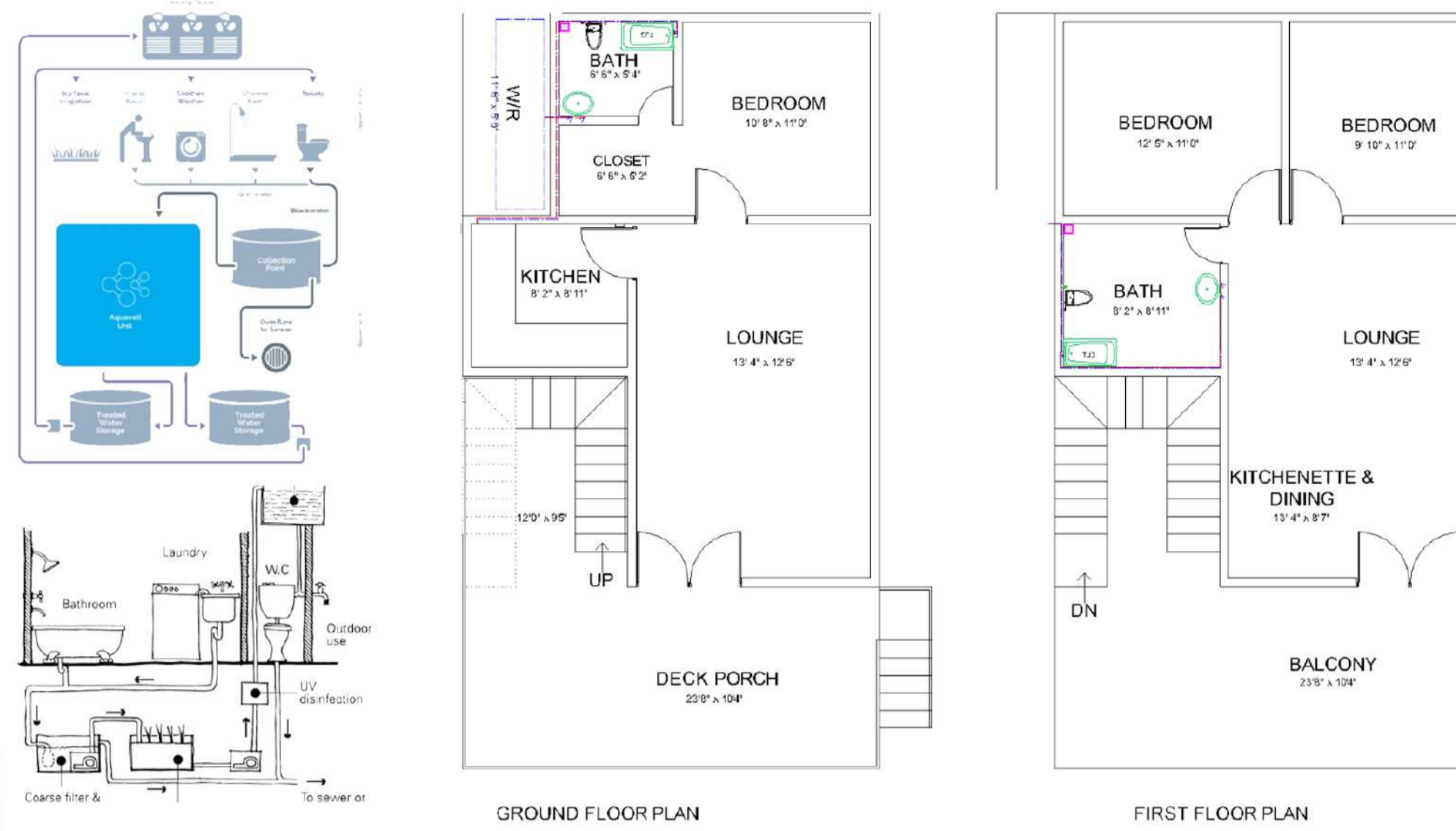
## PLANNING

For the design, the layout used is rectangular as it is majorly used in the context.

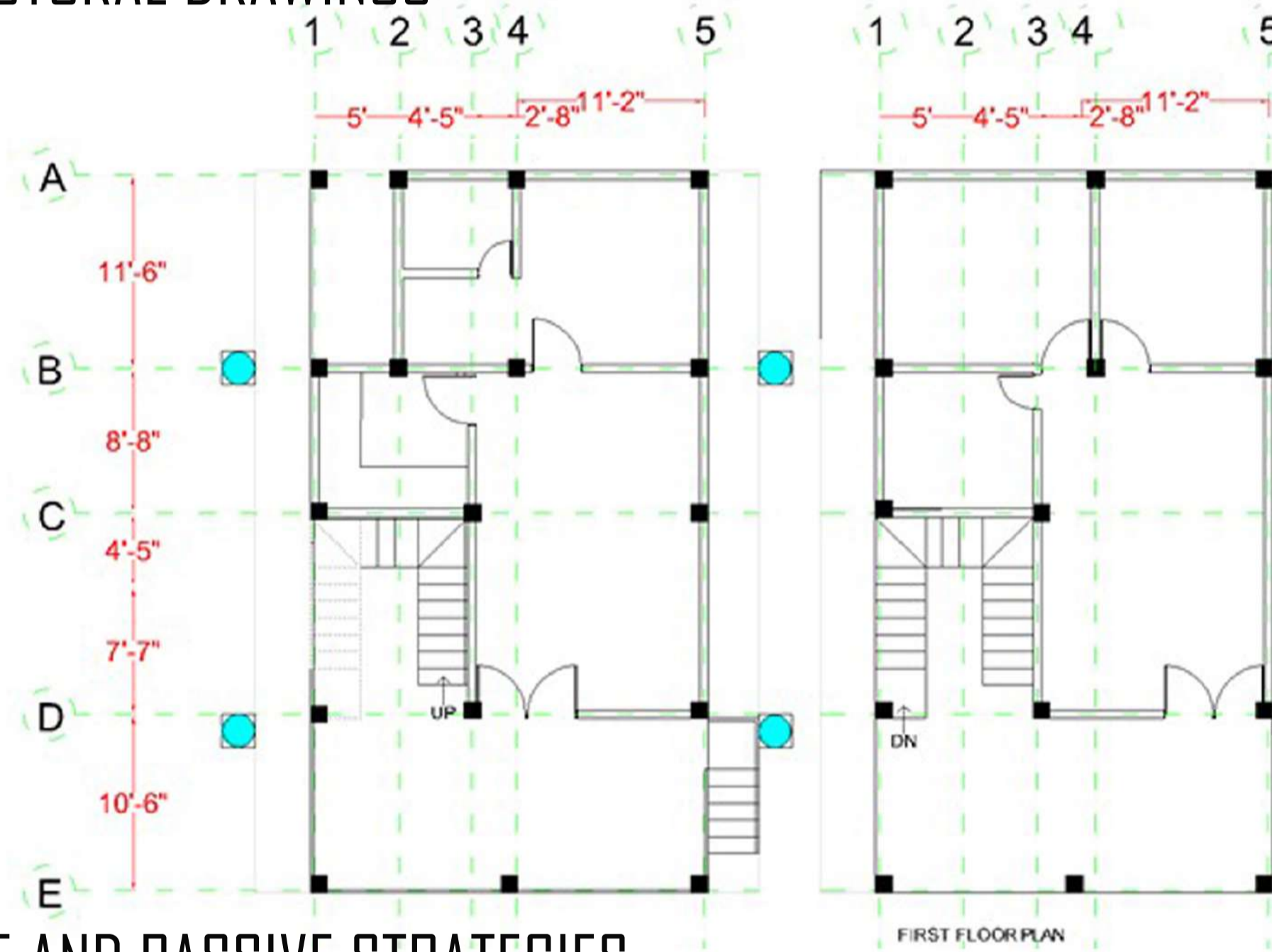




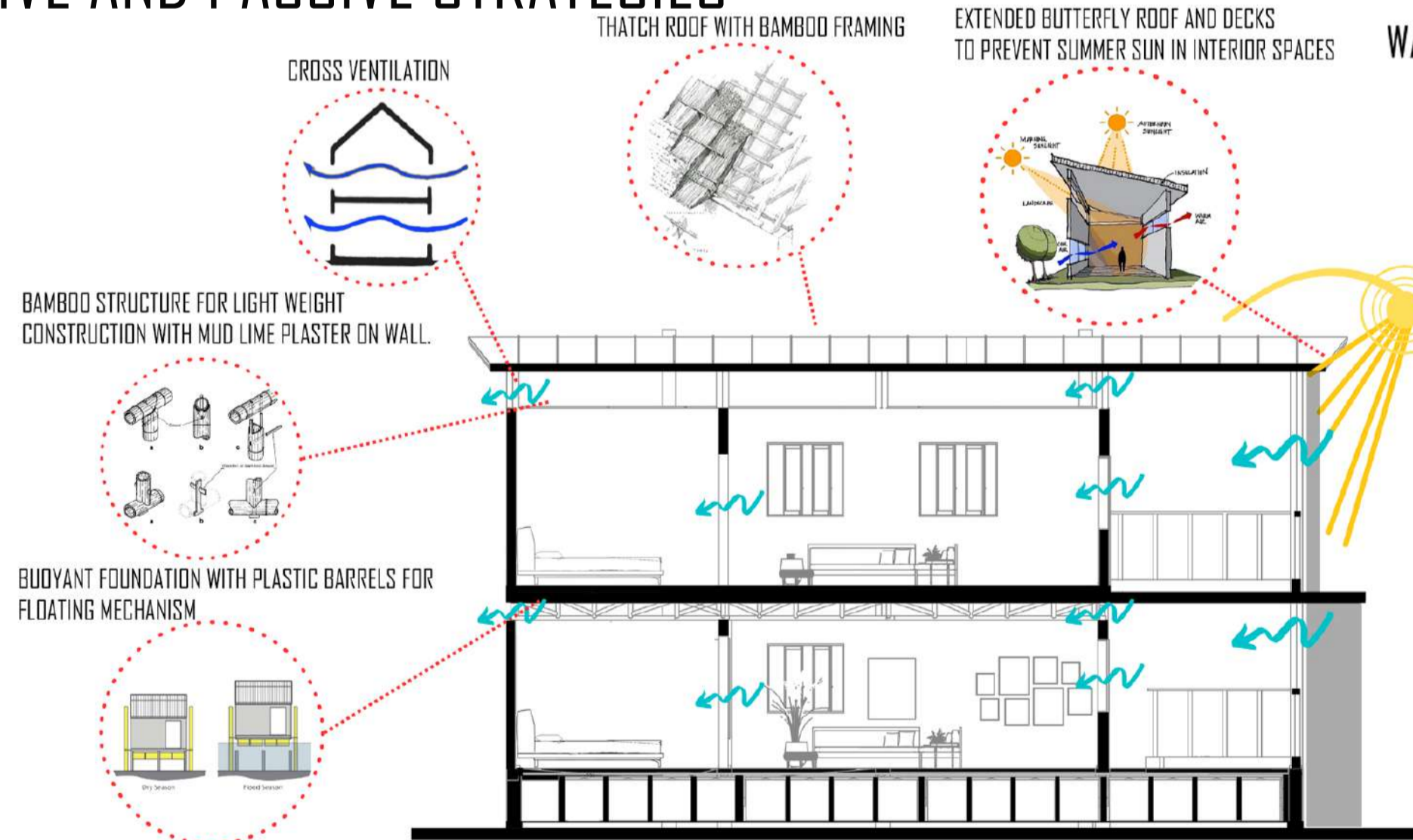
## PLUMBING DRAINGS



## STRUCTURAL DRAWINGS

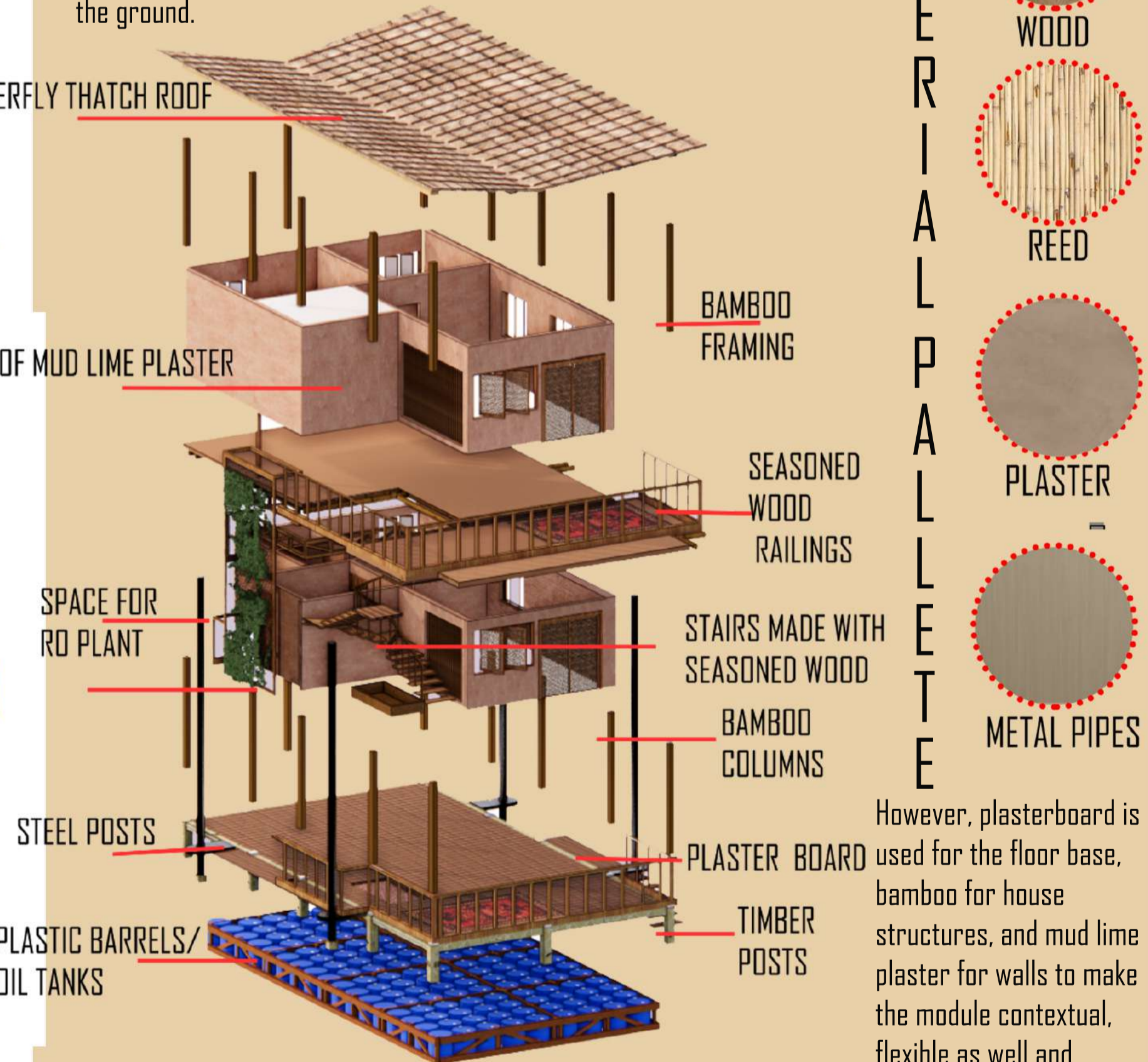


## ACTIVE AND PASSIVE STRATEGIES



## AXONOMETRIC :

The foundation here is lightweight compared to the typical pile foundation. The sequence includes timber posts fixed on the ground, aligned with plastic barrels which allows the structure to float while being static in its location which occurs due to the steel posts attached to the structure embedded in the ground.

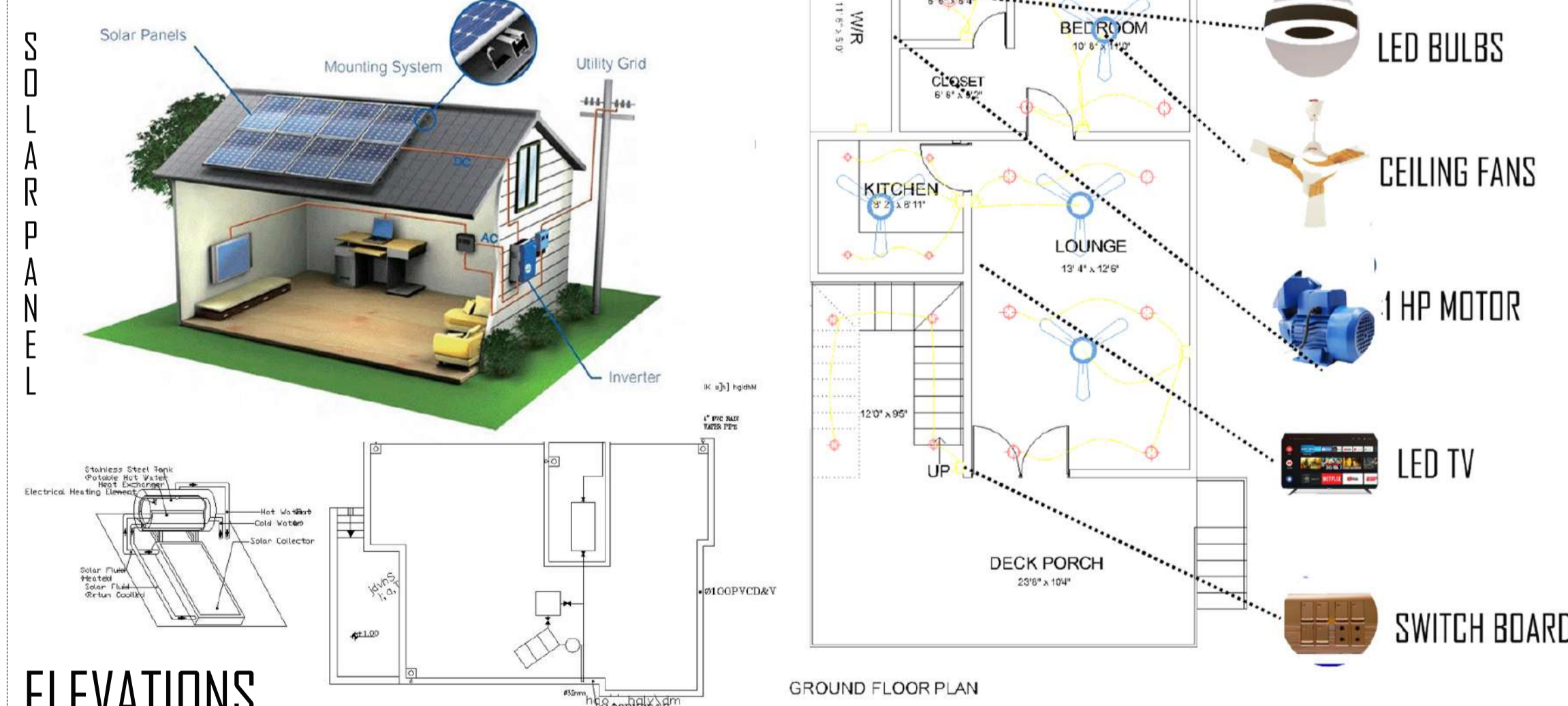


- MATERIAL PALETTE
- WOOD
  - REED
  - PLASTER
  - METAL PIPES

However, plasterboard is used for the floor base, bamboo for house structures, and mud lime plaster for walls to make the module contextual, flexible as well and lightweight.

the deck is used in multiple ways as an element for education, gathering, viewing and social communication and connection to maintain a sense of humanity between residents in devastating times.

## ELECTRICAL DRAWINGS



## ELEVATIONS



+26'-0"

+23'-0"

+12'-0"

+3'-0"

The butterfly thatch roof helps to prevent summer sun and rainwater from entering the house



TEAM NAME: RESILIENT MAVERICKS

TEAM NO. : NO. 3

SCALE: 1' = 1/8"