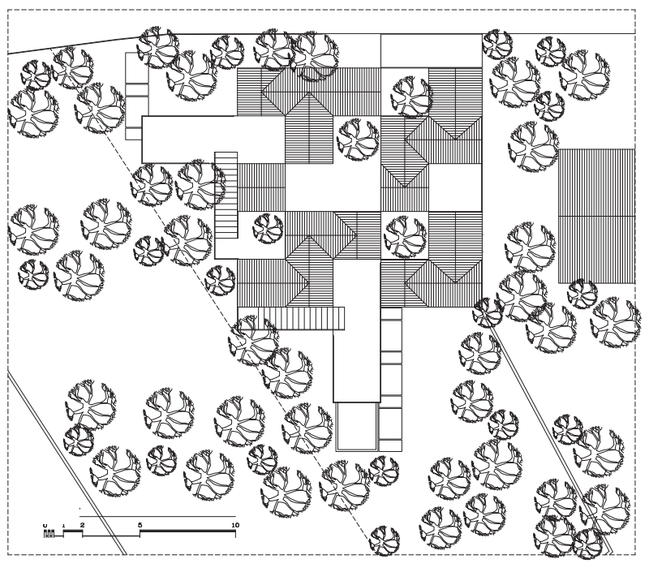
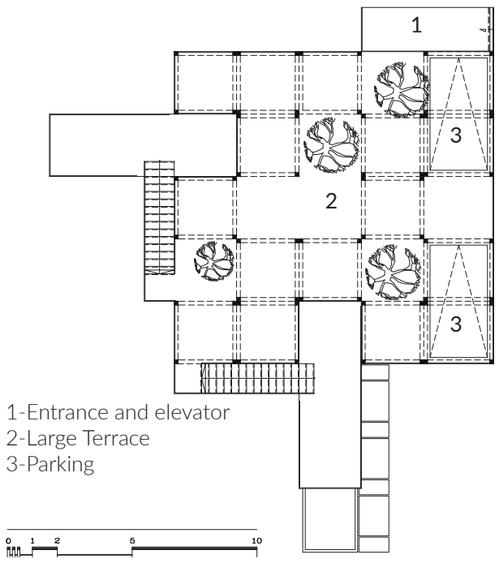
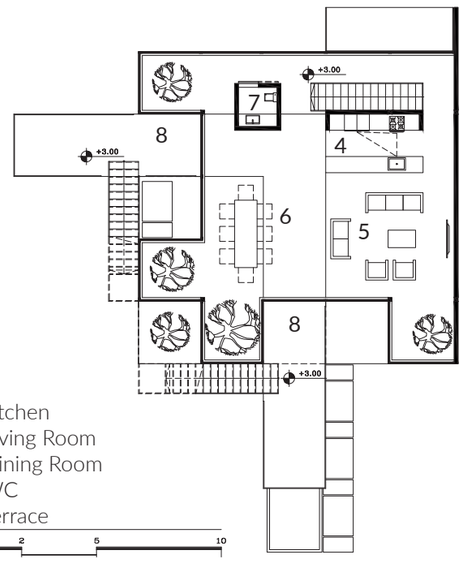


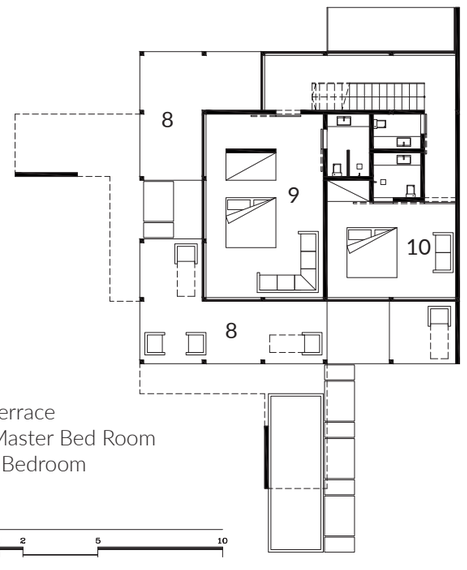
Roof plan



Ground Floor plan



First Bacement floor plan

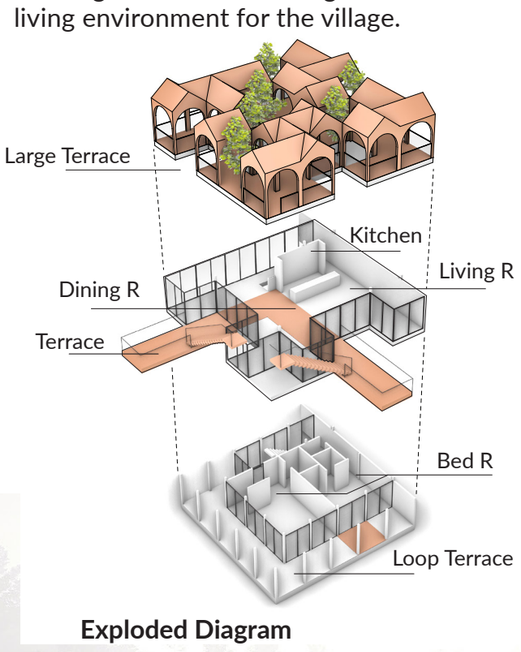


Second Bacement floor plan

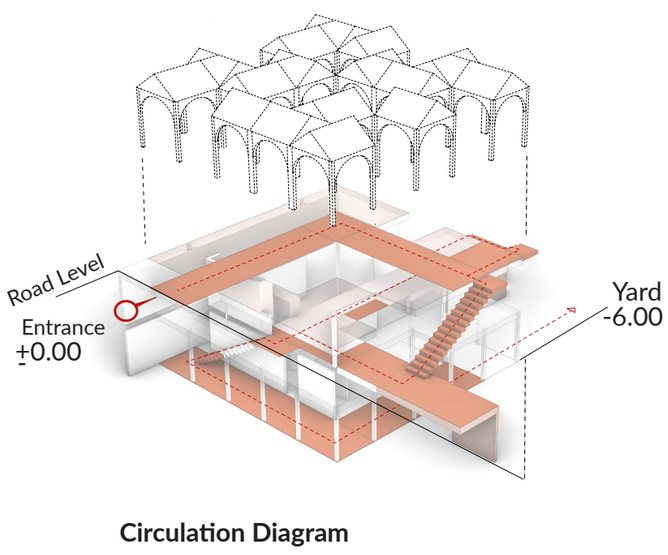
The pitched roofing system is one of the most predominant architectural characteristics of this region. The village is in a humid temperate climate zone and has an average annual precipitation of 550ml. Arches are another local architectural feature borrowed from the railway bridge constructions and the European-style architecture of the first Pahlavi era. Wooded mountains have also impacted the region's architecture by dictating the rural layout. Attention to cross ventilation and solar studies have formed some of the main design criteria.

People used to spend time on their balconies enjoying the panoramic scenery in the rain, a space for gatherings, and quality time with family.With regards to the third challenge, we have created an isolated yet connected space using the pitched rooves and then replaced sections of the rooves with planters for trees. Residents can take advantage of a naturally ventilated roofed terrace open to either side even on a rainy day. The same system is used on lower levels of the building, turning them into large shaded terraces with pleasant ventilation when windows are open.

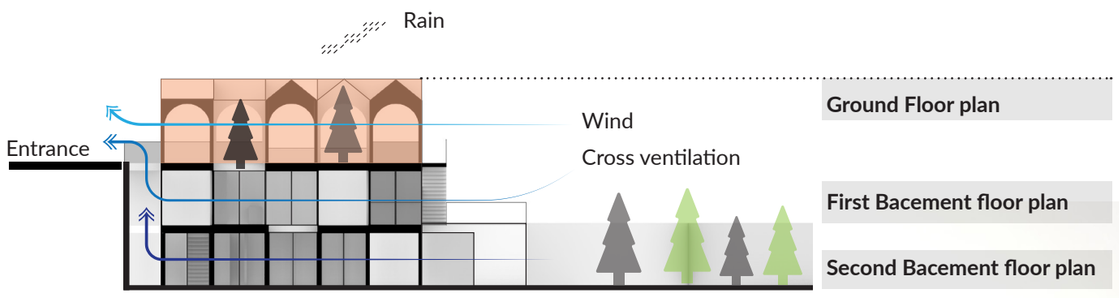
A lot of attention has been put into studying the project's local context to maintain a balance between the building and its surrounding. 'The Inverted House' design process has set an example for creating a desirable living environment for the village.



Exploded Diagram



Circulation Diagram



Ventilation Diagram