

## CONCEPT

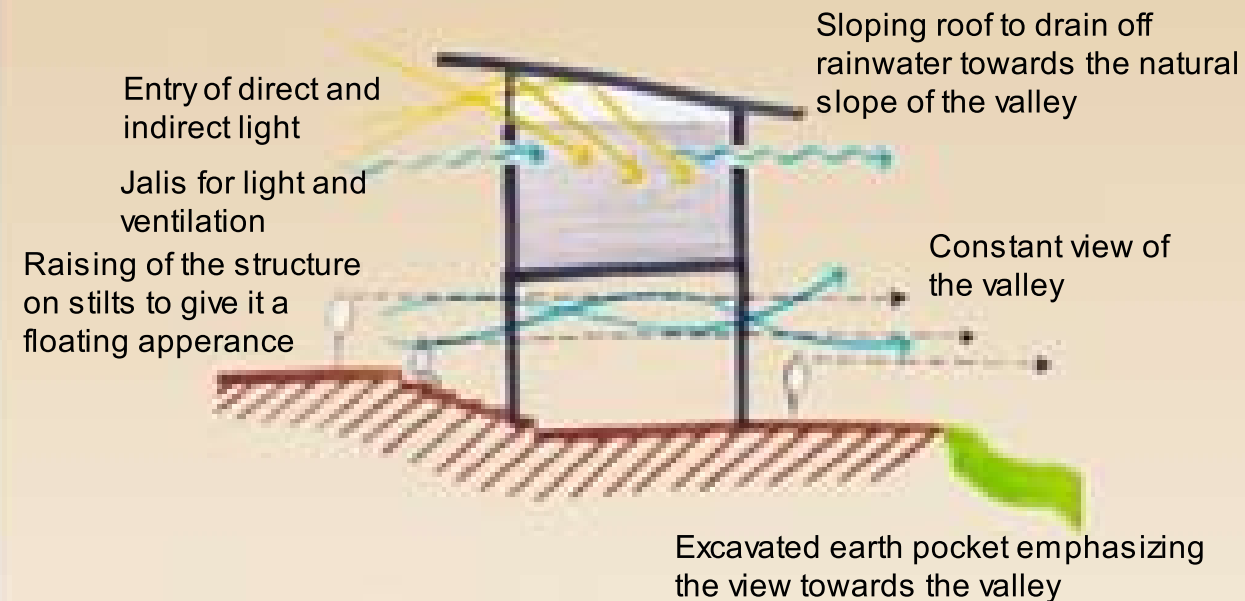
For a village that houses a **rich cultural fusion** and a mesmerizing array of houses that showcase an architectural journey, its school must form a platform that, both, teaches and comforts the student. In accordance with this, our design proposal stands firm on building a structure that safeguards the institution from economic damage. Our material board includes **traditional materials like rice husk, bamboo and rammed earth in fusion with a modern construction material i.e. ferrocete.**



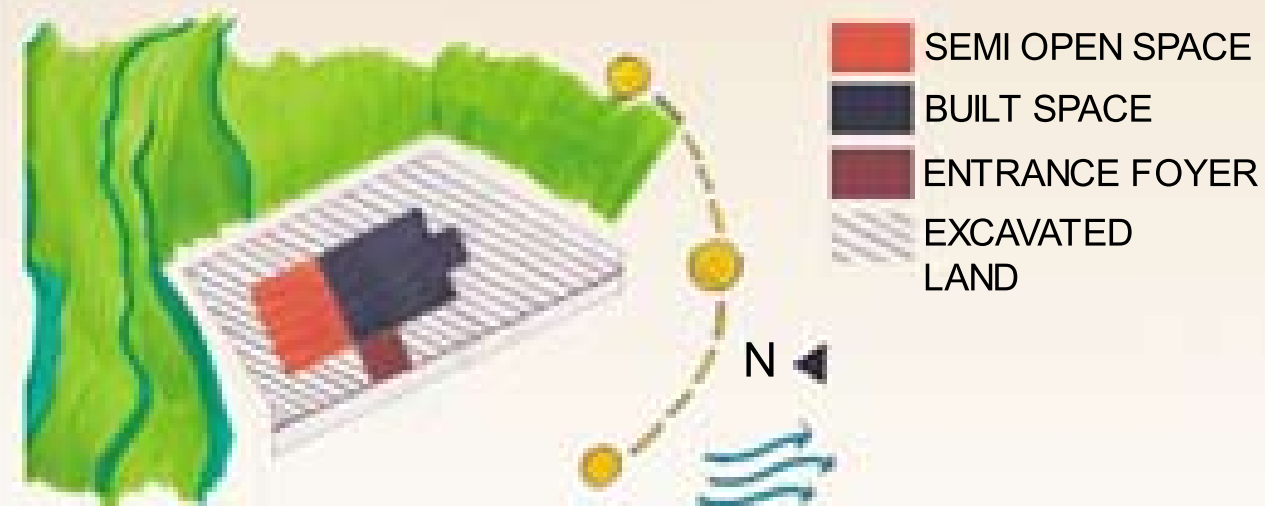
Bamboo      Rice husk      Rammed Earth      Ferrocete

Our design revolves around the students' comfort whilst stimulating their interests. The reference materials widely speaks about Buyi houses having **simple rectangular plans with the focus being its materials** and the picturesque views received. Retaining a student's comfort in school forms the foundation for practical learning. This instigated us to design a structure that looks and **feels familiar to the students.**

## CONCEPTUAL SKETCH:



## SITE ANALYSIS AND ZONING



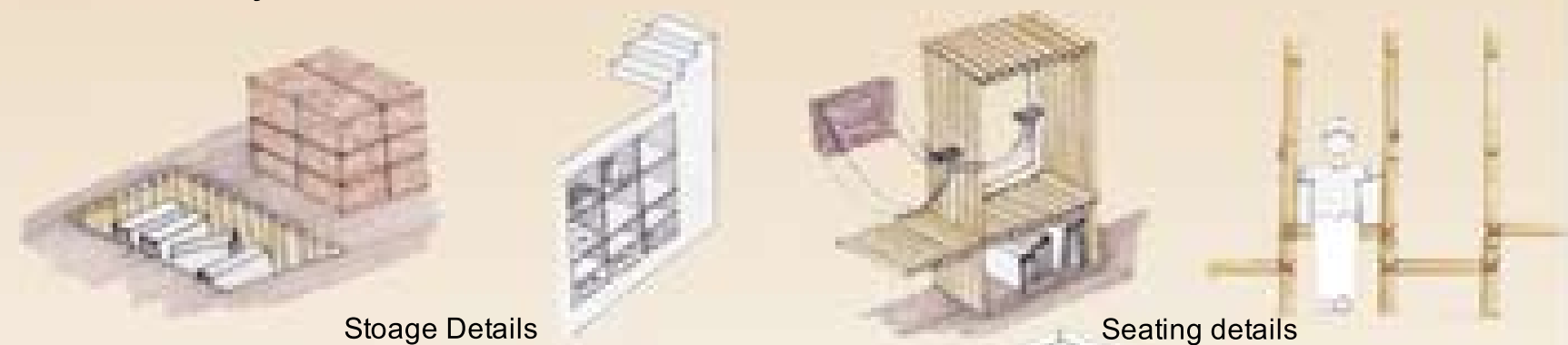
## MATERIALS

- Bamboo is locally available and is used in the vernacular architecture.
- Since rice cultivation is the major occupation, rice husk is available in abundance.
- Ferrocete is lighter and cheaper in comparison to RCC since it uses mild steel, wire mesh and no coarse aggregate. It can be constructed without formwork.
- The excavated mud is used for flooring and seating purposes in the form of rammed earth.



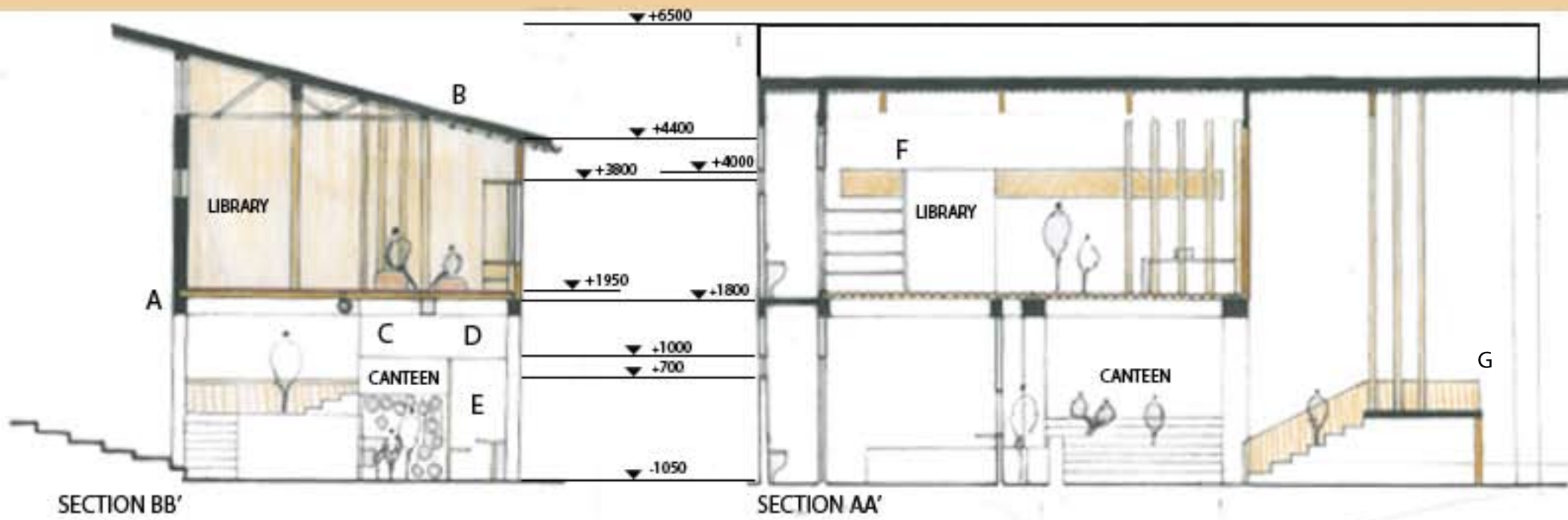
Conceptually, we have placed the **library on the first floor i.e. along the ground line**, keeping in mind that **knowledge prevails above all** else and that the students can be stimulated enough to study with the open environment that surrounds the library and its seating space. In tune with the same concept, **the canteen has been placed in the excavated pocket** on the ground floor as this would help **retain the 'raw' nature of food ingredients, as they grow and thrive from and under the ground.** Our concept revolves around **conserving the principles that the Buyi community stands for and strongly believes in.**

The **two storeys** in our structure can be used effectively as **circulation zones**, for their assigned purposes and also, as **viewing areas that rightfully frame the valley ahead.** Drawing more inspiration from Buyi housing and their method of building **houses on stilts, which is climatically and topographically suiting for them**, we decided to stick to a similar idea. However, our design constitutes **ferrocete columns** in place of other materials for serving **structural stability.**



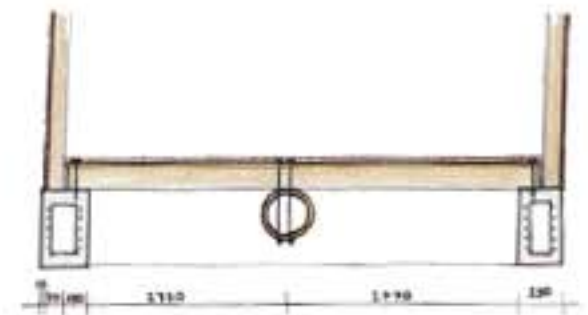
Form and function fall in the same line with our introduction of **interior design elements** such as pockets, niches, etc. that serve the purpose of storage, as well as seating, along with forming aesthetic focal points. **Ferrocete** is also the material that will cover the entire east elevation. The purpose of this is **to keep this façade in tune with the rest of the school buildings** whilst the **other three facades open up towards the valley and create a mélange of natural views.**





SECTION BB'

SECTION AA'



DETAIL AT A AND C

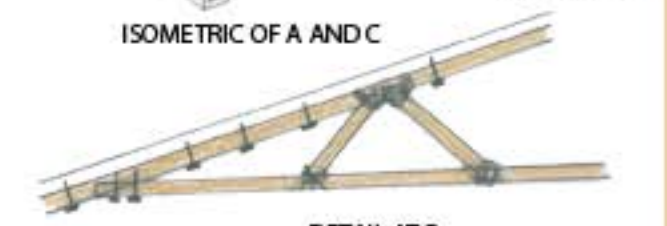


DETAIL AT G    DETAIL AT F    DETAIL AT E



ISOMETRIC OF A AND C

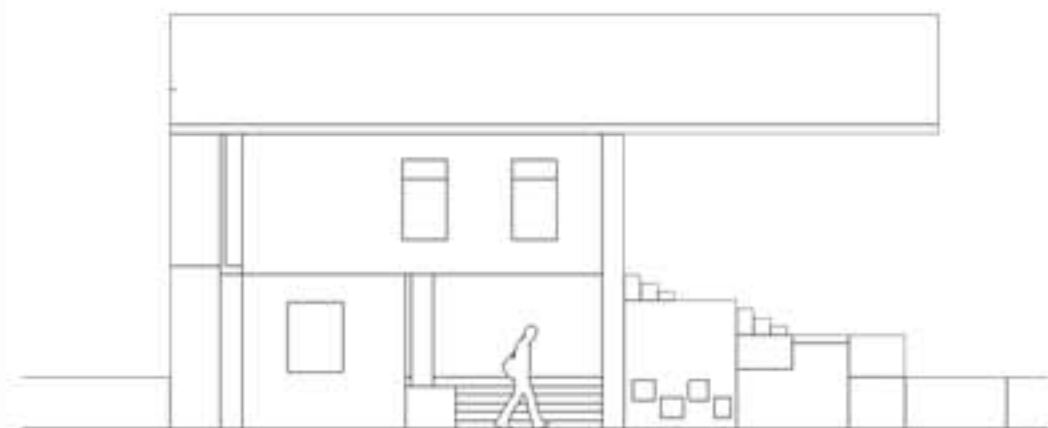
DETAIL AT D



DETAIL AT B



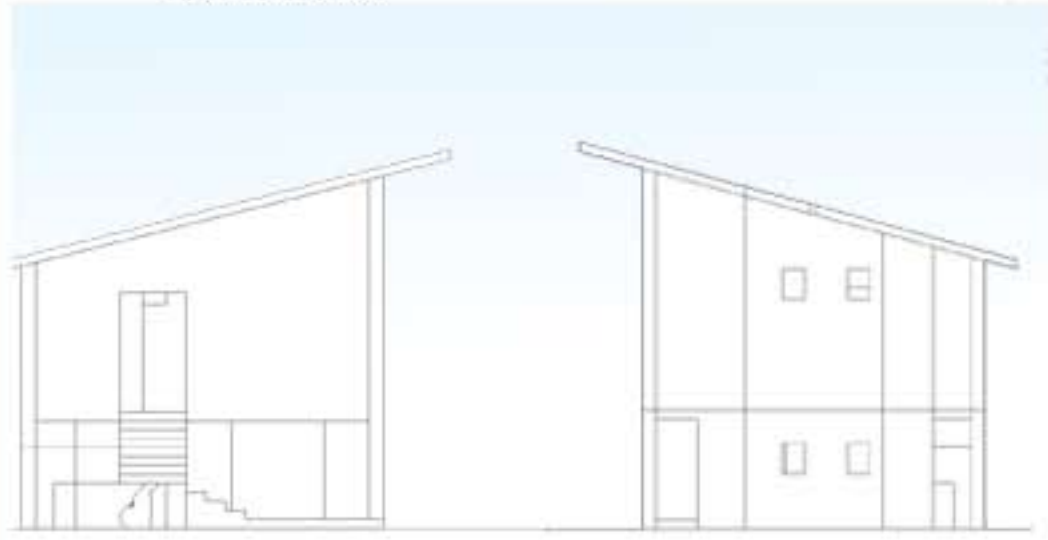
RAMMED EARTH  
BAMBOO  
RICE HUSK



EAST ELEVATION

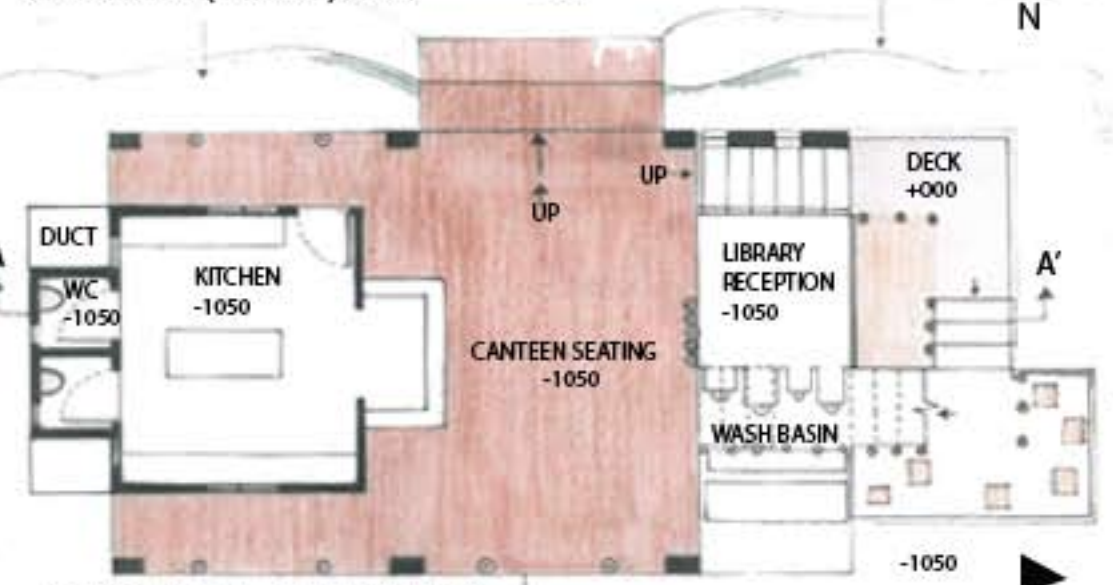


FIRST FLOOR (LIBRARY) PLAN



NORTH ELEVATION

SOUTH ELEVATION



GROUND FLOOR (CANTEEN) PLAN



TEAM 3465

