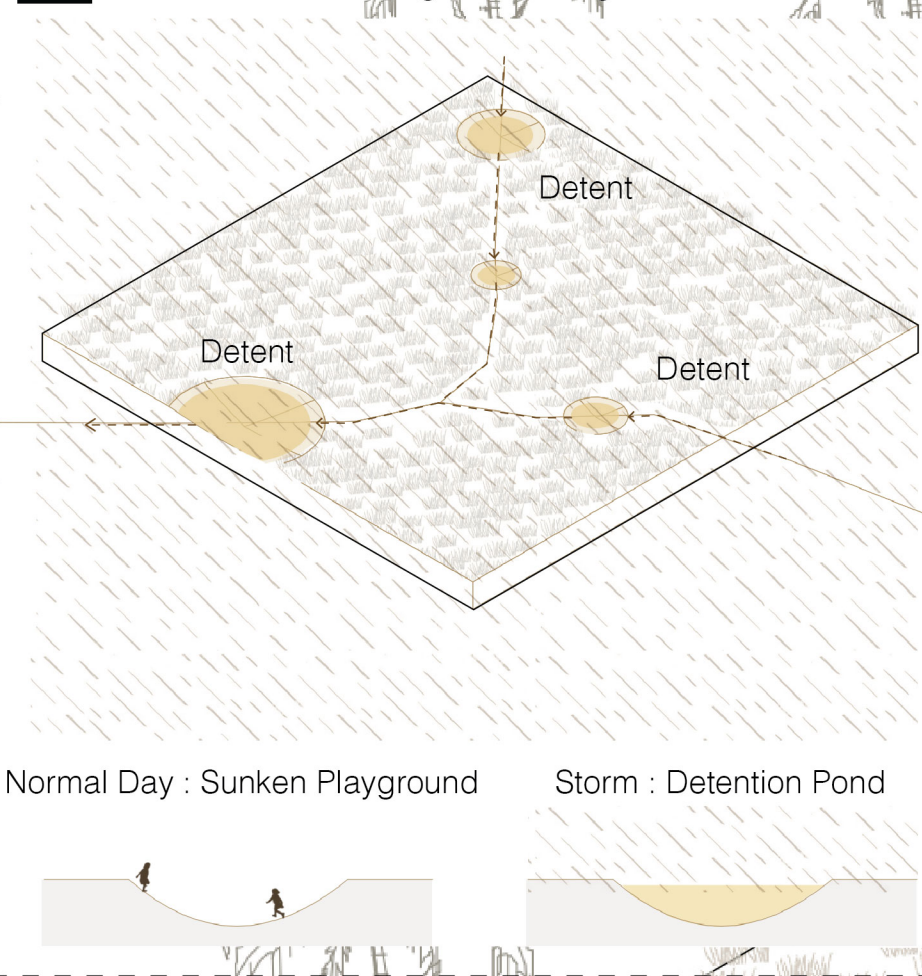


### 3 Flood Mitigation Detention Pond Along the Existing Storm Path



### WATER DETENTION PLAYGROUND

A detention pond helps mitigate flooding in the area during storms. On regular days, it serves as a sunken playground for local children, where they can slide down the slope using banana leaves. (15kW of electricity produced.)

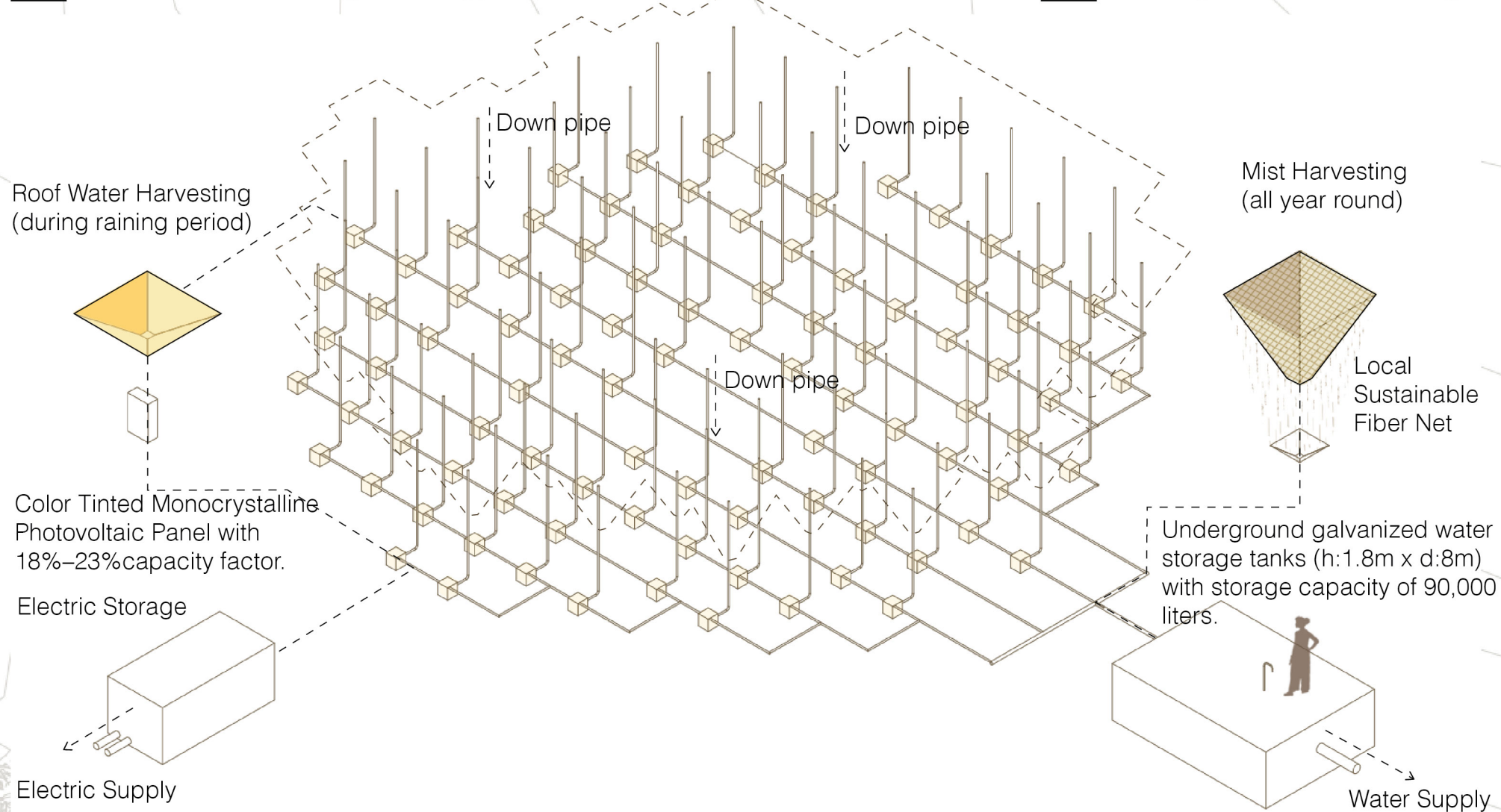
### FARM

Farming: yam & banana

### ENERGY SCHOOL

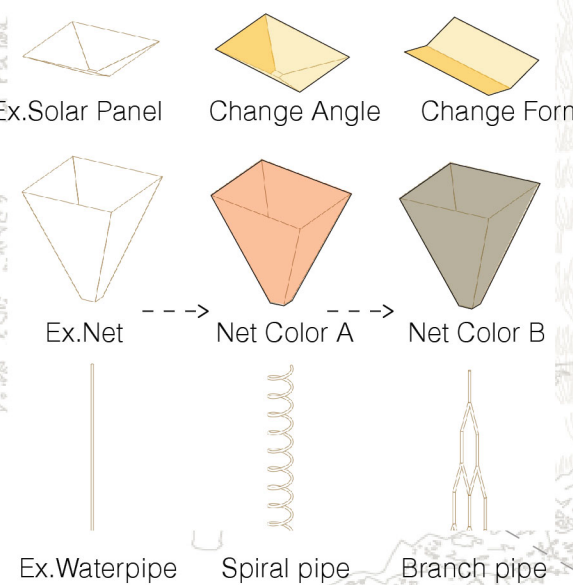
A multipurpose space enables the local community to carry out a variety of activities. It functions mainly as a school, helping residents learn more about energy harvesting. Additionally, it showcases how local crafts can be integrated into the energy harvesting system. (49kW of solar power produced.)

### 1 Electric & Water Generation Solar & Water Harvesting Technology



The entire system is based on a modular design principle that prioritizes scalability, transportability, and community involvement. Modularity also empowers local participation. Smaller, simpler units can be assembled, maintained, with minimal technical training. This reduces dependence on external labor or specialized technicians, builds local capacity, and fosters a greater sense of ownership and stewardship over the system.

### 7 Future Expansion & Development



The flexibility of the modular system allows villages to start small and expand incrementally, responding to changing needs and available resources. Through collaboration with visitors, locals can gain new ideas for future development. Changing the net color helps create a new atmosphere within the energy landscape. The organic flow of rainwater down the pipes enhances the dynamism of the artwork on rainy days.

### REED FIELD

### PROTOTYPING WORKSHOP

A workshop for locals and visitors to create and enhance modular units for the future — a space dedicated to testing and experimentation.

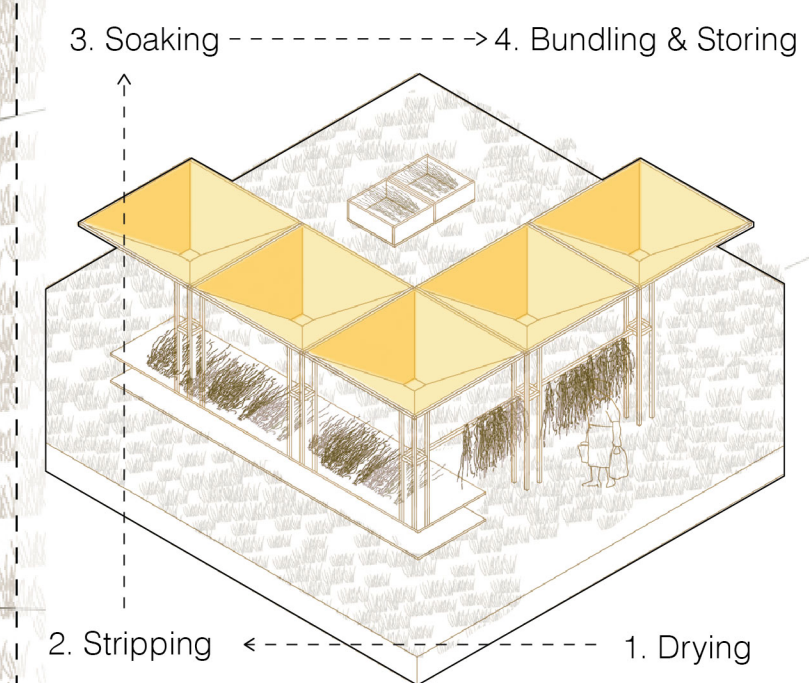
### COMMUNITY SPACE

A shaded space beneath the existing rain trees, where the local community can gather for casual, everyday activities.

### MATERIAL LAB

A pavilion dedicated to showing the making process of raw materials for Masi fabrics and mats. (6.3kW of electricity produced.)

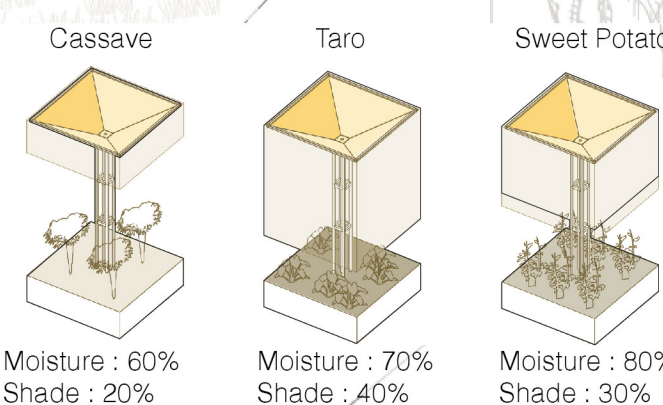
### 4 Fijian Fabrics/Mats Material Production Knowledge



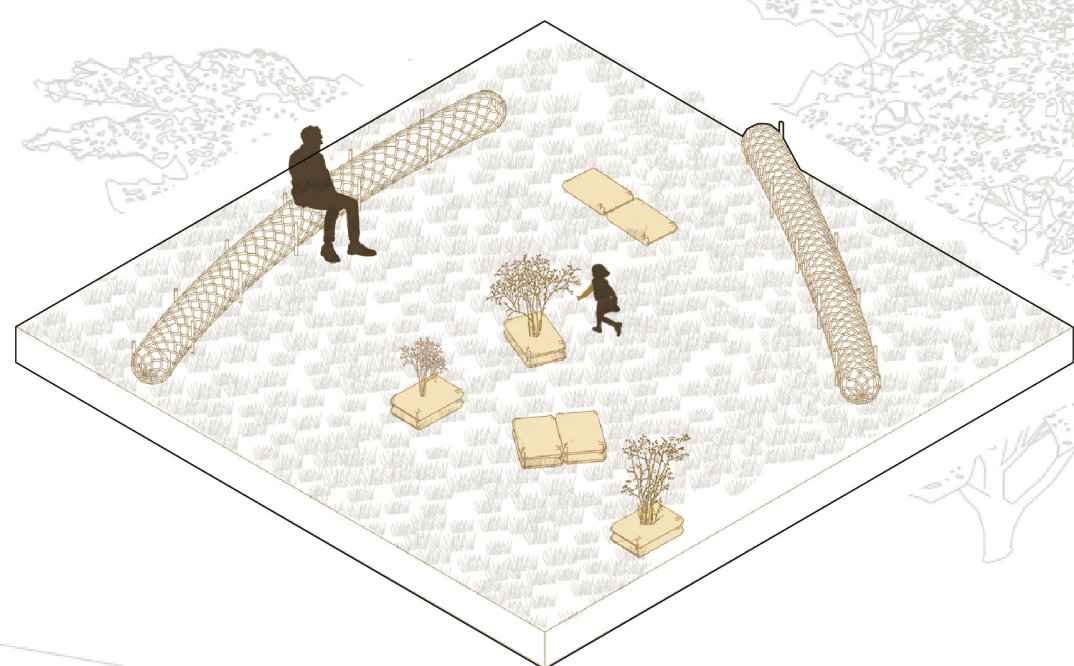
### AGRIVOLTAIC FARMING

Pairing of solar and farming to improve the crops production of important ingredients for local cuisine such as taro, cassava & sweet potato. (15.6kW of electricity produced.)

### 5 Crops / food supply Moisture retaining & shade control



### 6 Shoreline & Flood Protection Elements as Public Furniture Coir Rug as Bench & Sandbag as Planter



Coir rugs and sandbags will become important landscape elements in the village as part of the effort to combat shoreline erosion and flooding. However, they can serve additional purposes as public furniture within the village. Coir rugs, made from coconut fiber using local crafting skills, are aesthetically pleasing and can also function as benches. Stacked sandbags can be repurposed as gardening tools or planters.

