The section below shows the angle of the structure, oriented, so that it is facing the midday summer sun (23 degrees). The tank hold 2000L of water, and is placed below several layers screening, which filter leaves, sediment and debris. A UV filter can be connected to the tap outlet on the tank.

STORDER MILLING PROPERTY

The



The main structure [shown below] is constructed from sheets of marine grade plywood spaced out, supporting the water tank which sits on it. The structural elements are bolted to the concrete footing shown in the section above.







The pavilion is a regenerative energy pavilion designed as a blossoming solar canopy. Each petal hold a PV array which altogether generate 3 kW of clean energy.

The underside of the structure shown below will be filled with Fijian patterns in consultation with local artisans.



The rainwater harvesting system begins at the photovoltaic petals, which are angled to efficiently shed rainwater. As the water flows along the integrated aluminum gutters, it passes through a multi-stage filtration system to ensure the water is clean and suitable for potable and non-potable use.

