- Standard size of a single module with dimensions of **1.44 m²**
- Total potovoltaic area : 352 x 1.44 m² = **506,88 m²** *not including the coinstitution skeleton

- Total electricity production in one day = **505 kWh**

- Taking into account the daily energy needs of the residents of Marou, which is about **244 kWh**,

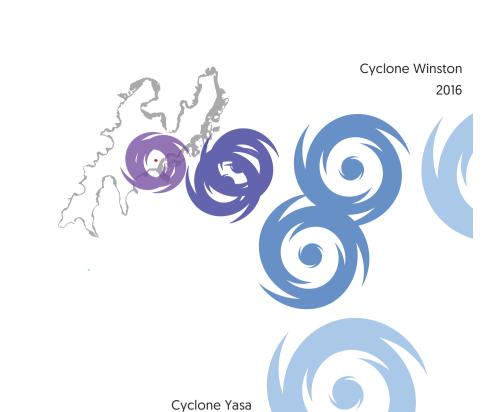
We can therefore allocate **375 kWh**

for the operation of the shelter, water filtration, lighting, and powering the long-term energy storage, which will be a source of energy in times of energy shortage.

place for safe storage of photovoltaic modules and batteries.

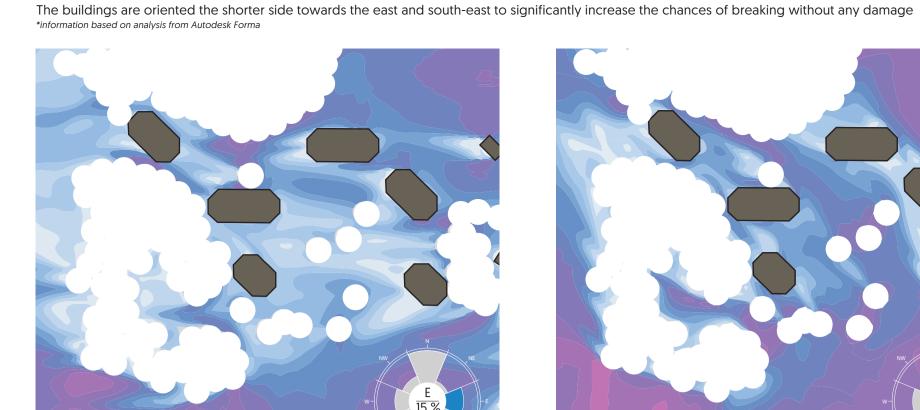
MULTI - FUNCTIONAL FLEXIBLE SPACES





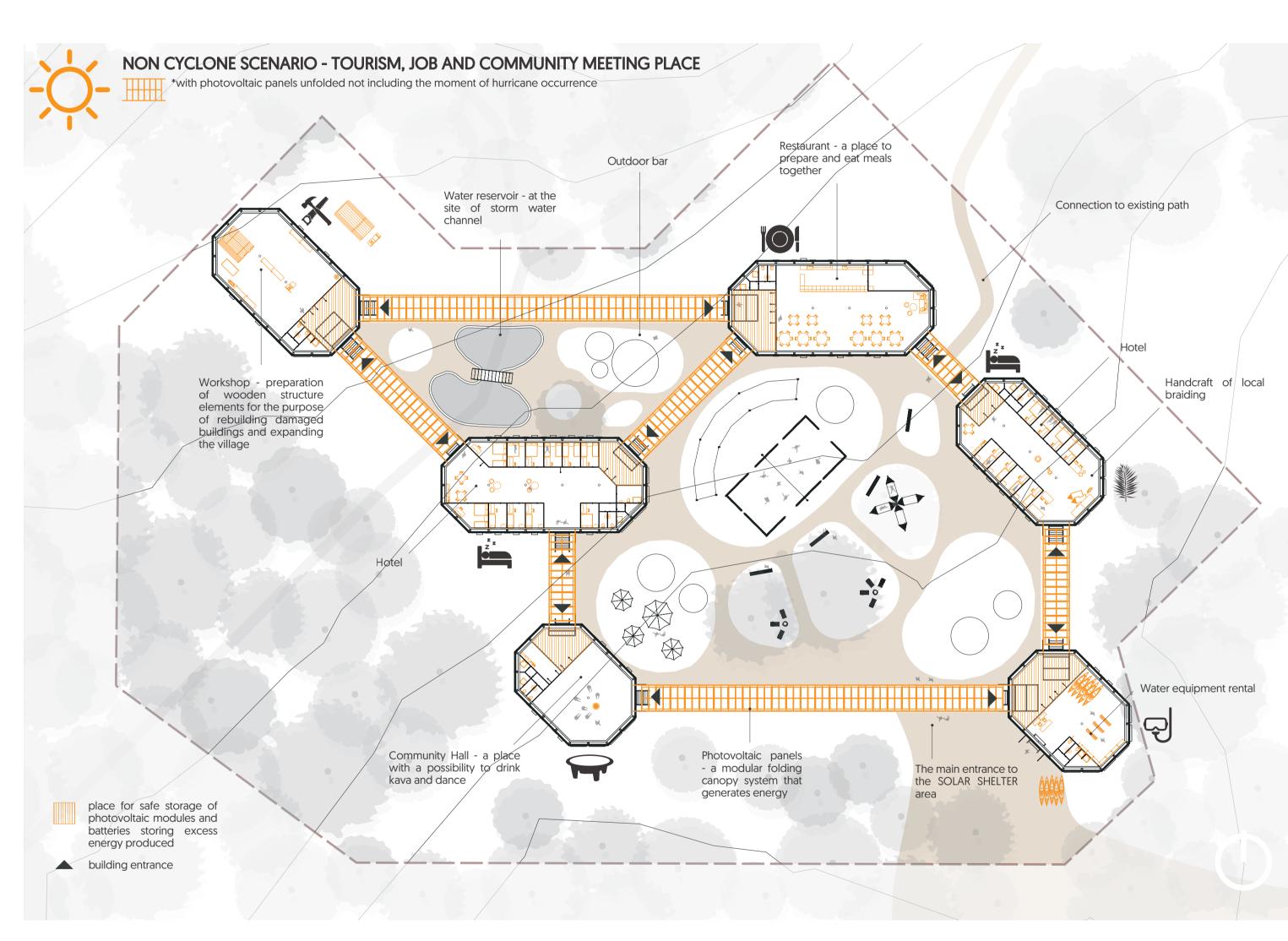
PREVIOUS CYCLONE TRACKS

they determined the directions for the arrangement of buildings



ANALYSIS OF THE TWO MAIN DIRECTIONS OF PREVIOUS CYCLONES AND WINDS DURING THE YEAR

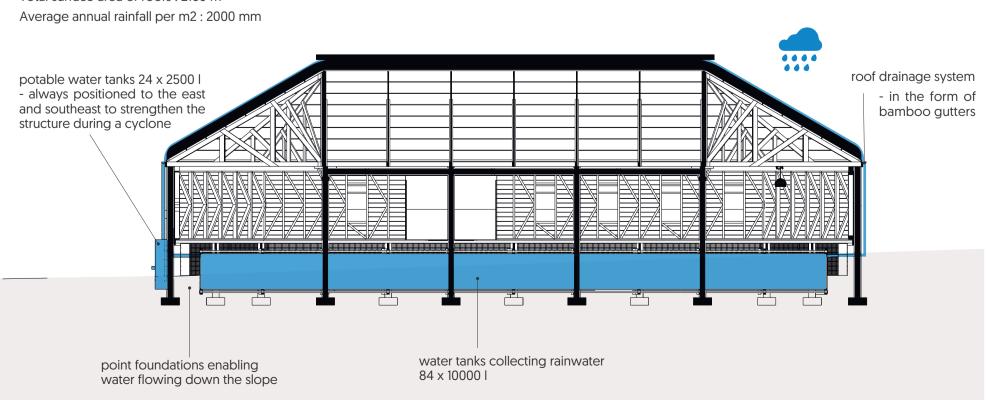




CYCLONE SCENARIO - INTERIORS FORMERLY USED AS A TOURIST RESORT, WORK PLACE FOR LOCAL PEOPLE CAN SERVE AS A CYCLONE SHELTER vith photovoltaic panels in cyclone mode, folded and safe at building Storage of pre-prepared materials and structural components for post-cyclone reconstruction quickly and easily with advance preparation Local people can survive cyclone in shelter Before a cataclysm, x41 Local people can survive cyclone in shelter valuable objects or unnecessary furniture from rooms that can also serve as a place to survive a cyclone can be stored here Local people can survive cyclone in shelter Due to the simple and quick possibility to hide the panels inside Local people can survive cyclone in shelter x26 Before a cataclysm valuable objects or unnecessary furniture from rooms that can in designated places, during the cyclone also serve as a place they are not at risk of to survive a cyclone can be stored here building entrance direction of assembly of photovoltaic panels

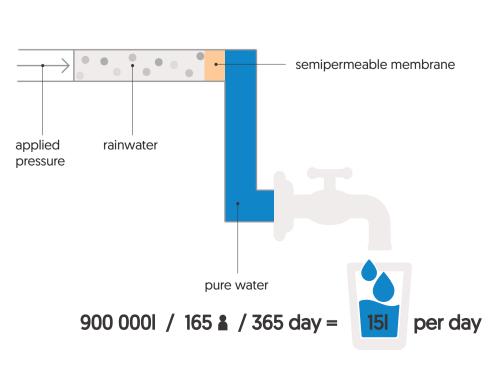
WATER STORAGE 900 000 liters

Volume possible to be collected by our solution: 900 m³ = 900 000 l Total surface area of roofs : 2160 m²



WATER SECURITY - FILTRATION METHOD

Reverse osmosis



Drinking water is a primary use. Residents often rely on rainwater as their main source of clean drinking water for most of the year. After drinking water, a lot of rainwater is used for cooking-especially since seawater or saline ground water is not suitable for that.

MINI - GRID SYSTEM DESCRIPTION

- Total number of photovoltaic panels : **352**