

View C: Community

This space is designed for gatherings, performances and outdoor education. It generates energy, houses batteries and provides a place for charging tools and cold storage for food.

Two simple modules allow for a large variety

How will you build it?





Module type 1



1.1. Mount columns to base frame - 4x 2.3m



1.2. Attach beams at top of columns + mount cross bracing (placement depending on final configuration of modules)



2.1. Mount columns to base frame - 2x 2.3m + 2x 5.0m



2.2. Attach beams at top of columns + mount cross bracing (placement depending on final configuration of modules)

View D: Water Treatment

This part of the building treats water brought down from the water collection modules. The treatment is co-located with functions such as agriculture that benefit from the waste products such as nutrients, grey water and heat.

of building configurations, designed with the local community based on the needs.



2.3. Mount roof structural beams



2.4. Attach PV-panels

Configuration examples



Community: basic configuration of low and higher sections for community functions such as gathering, eating and performance.







Play: in combination with natural features such as existing trees these structures can be used for play. Younger kids can play on the platform, for older kids ropes and other elements can be added.



2x module 2

Shade & quiet reflection: along or over the boardwalk the modules can provide shade. Water from the roofs can be collected in the bamboo gutters under the boardwalk

Tip:

How to combine several modules?

Install foundation poles and ensure they are level for the entire building (use longer poles for sections of the terrain that are lower), thereafter mount the beams and place the flooring.

Adjacent columns can be fixed together with ropes for additional stability.



2x module 2

Satellite buildings: to complement and support existing buildings. For example, an home-stay attached to homes.





Instructions

With just two types of simple building modules, many configurations can be achieved. These configurations can be adapted to meet the specific needs of the local community.

The small and simple modules offer benefits within the town as well as the design site.

The frame of the modules is constructed out of coconut palm tree wood. Floorboards and, when required, walls can be easily attached. For these panels we hope to use panels from recycled plastic.