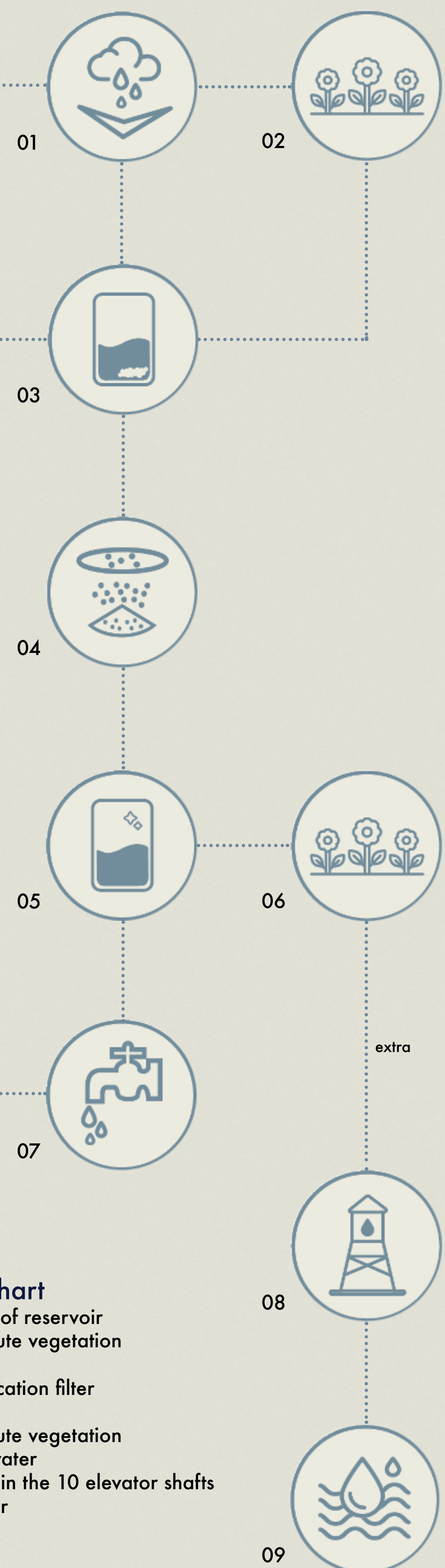
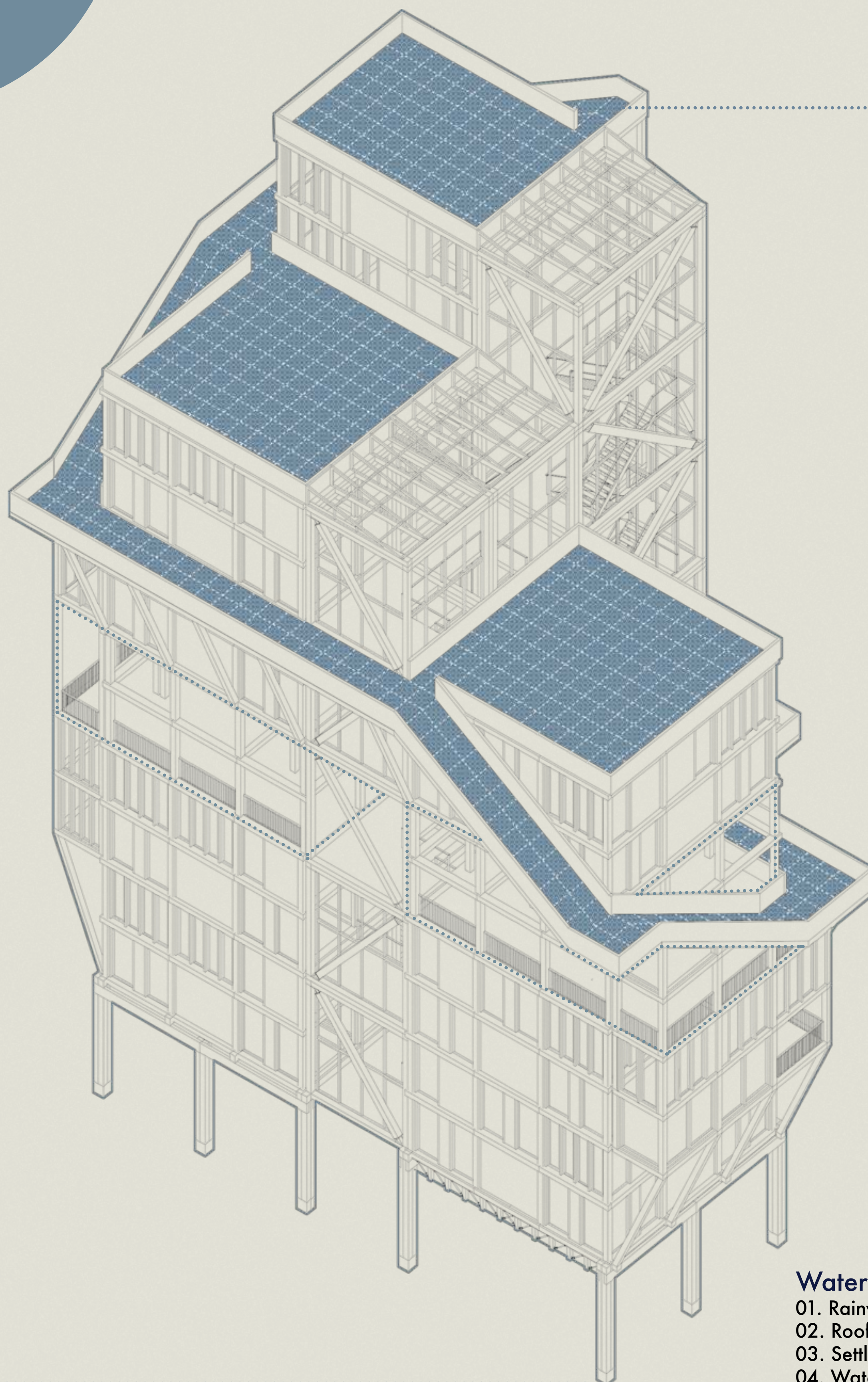


Integrated water circulation

The integration of water may be the most important element of the project. For this reason, all the apartment towers have been raised off the ground to allow room for the water and underlying landscape to flourish. This is doubly important for the rooftop landscapes that require the necessary water reserves. By positioning a water buffer on the rooftops, it is possible to minimise the amount of soil and reduce the overall weight on the rooftops. The individual water buffers have their own compartments and water reservoirs. Additionally, to accommodate larger and more diverse greenery, soil can be added to the vertical column points to support this vegetation.

In the event of excess rains, water can be stored in the filtering tanks and subsequently used by occupants. Should these reservoirs reach capacity, the excess water will stream down to the water towers positioned next to the elevator shafts.



Water flowchart

- 01. Rainwater roof reservoir
- 02. Roof and route vegetation
- 03. Settling tank
- 04. Water purification filter
- 05. Water tank
- 06. Roof and route vegetation
- 07. Household water
- 08. Watertower in the 10 elevator shafts
- 09. Groundwater

A total of ten water towers are thus available in wet periods to ensure that a maximum amount of water is stored, while said tower reserves provide the green roofs and routes with water in dry periods. Humans thus take part in the cycle between nature, climate and the symbiotic nature of the environment.