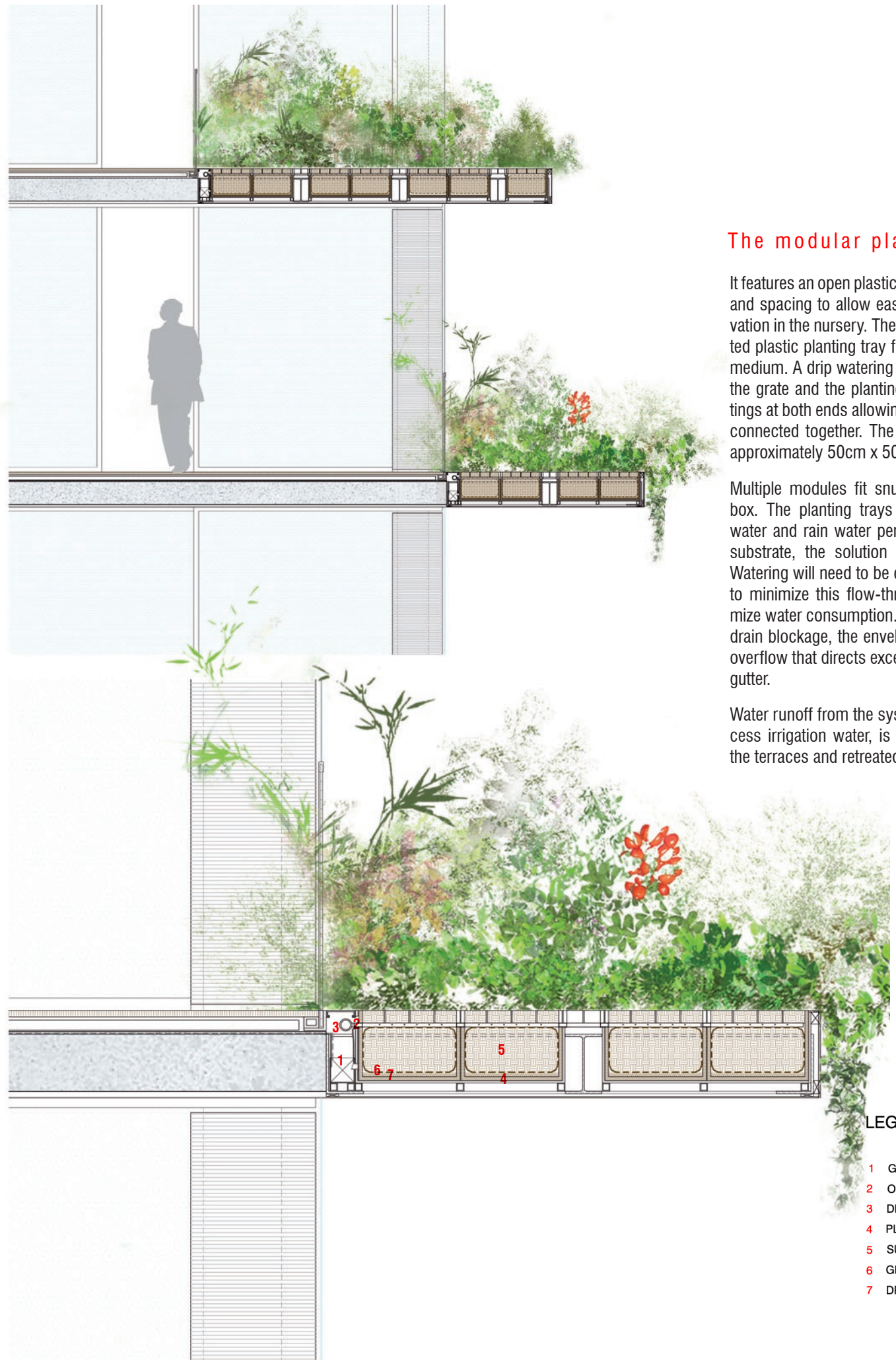
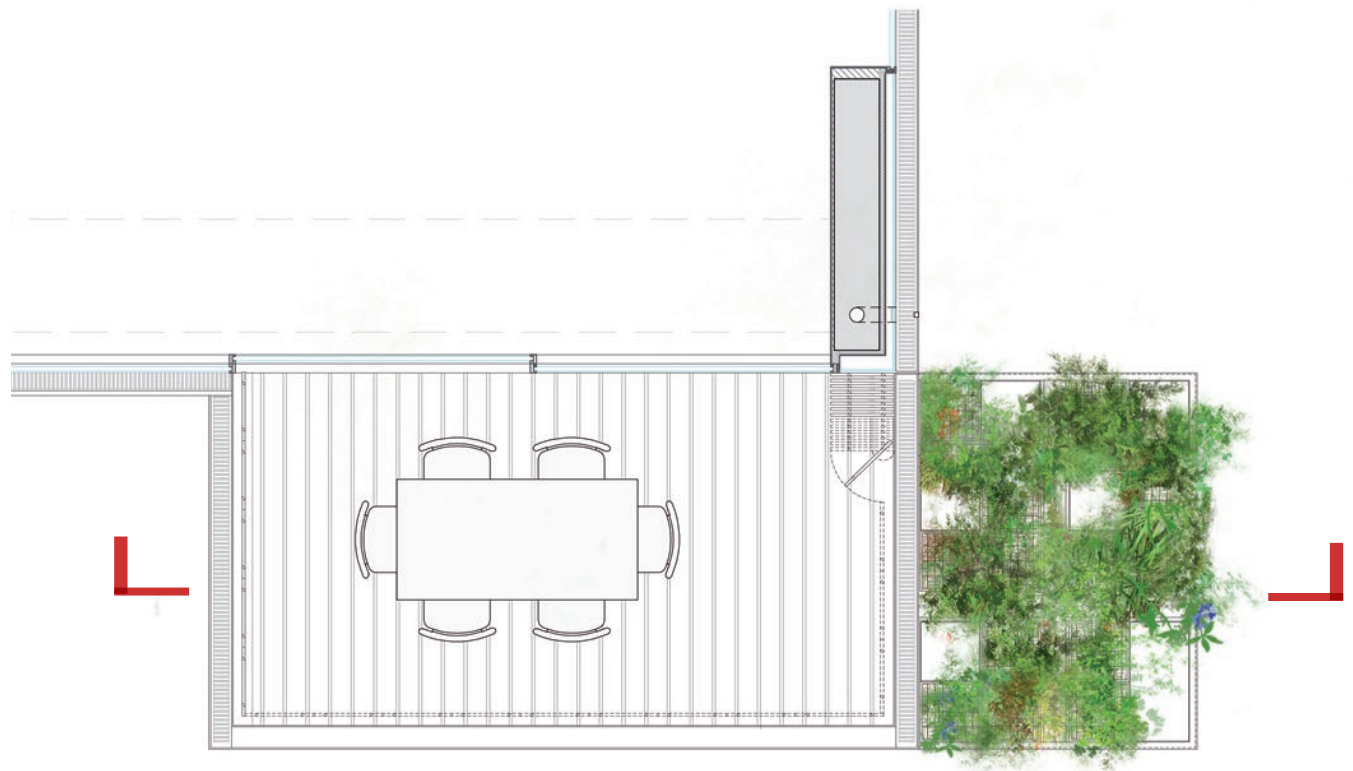


The modular planter system

It features an open plastic grate of the proper depth and spacing to allow easy planting and pre-cultivation in the nursery. The grate fits onto a perforated plastic planting tray filled with additional plant medium. A drip watering tube is inserted between the grate and the planting tray. The tube has fittings at both ends allowing multiple modules to be connected together. The completed modules are approximately 50cm x 50cm x 20cm deep.

Multiple modules fit snugly within the envelope box. The planting trays are perforated; nutrient water and rain water penetrate through the plant substrate, the solution into the drainage layer. Watering will need to be carefully controlled so as to minimize this flow-through and thereby minimize water consumption. In case of violent rain or drain blockage, the envelope box is fitted with an overflow that directs excess water into the terrace gutter.

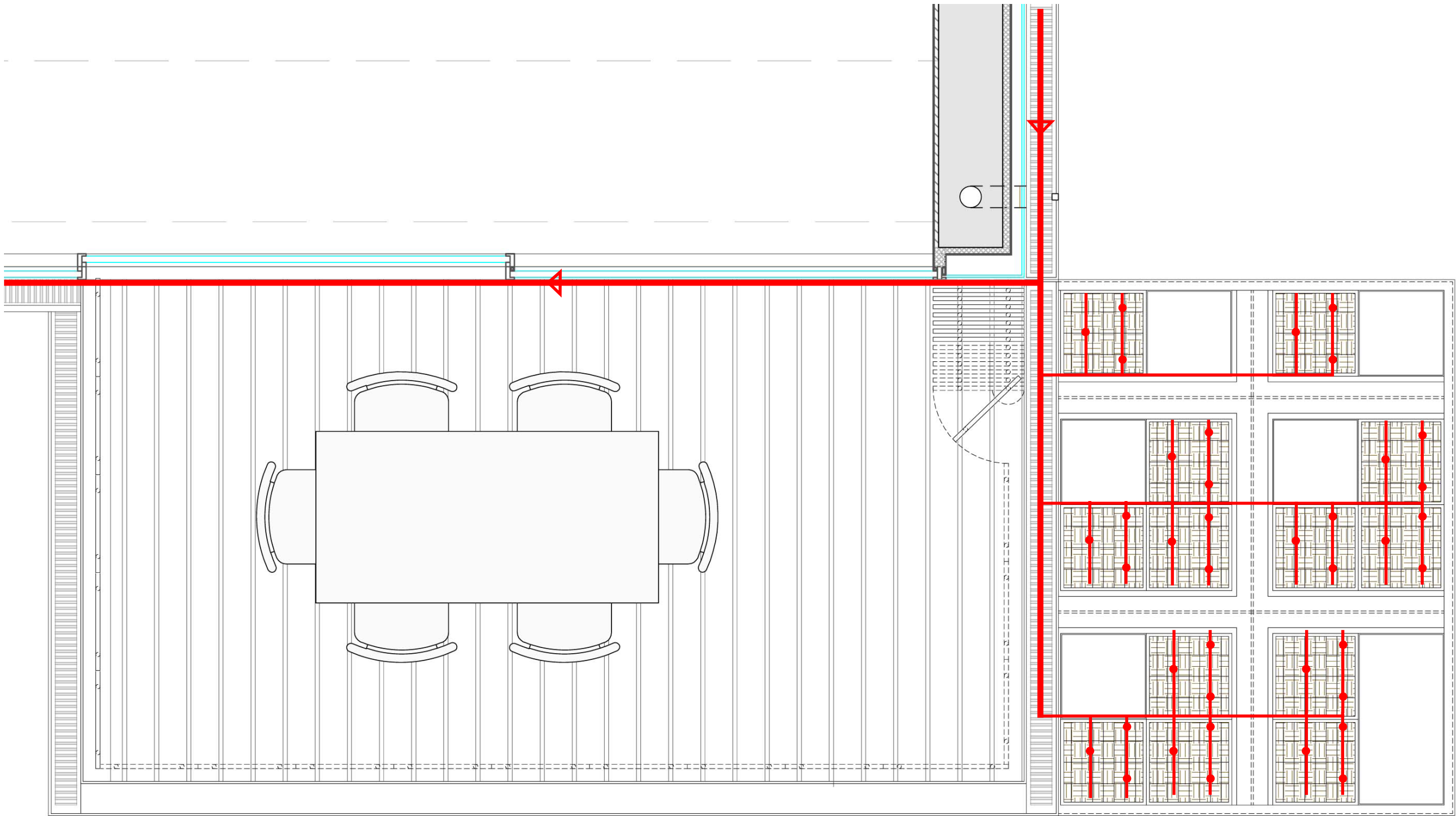
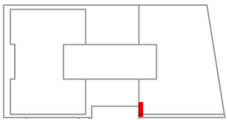
Water runoff from the system, whether rain or excess irrigation water, is drained via gravity from the terraces and retreated.

LEGEND

- 1 GALVANIZED STEEL GUTTER
- 2 OUTFLOW
- 3 DRIP IRRIGATION PIPE
- 4 PLANTER MODULE
- 5 SUBSTRATE
- 6 GEOTEXTILE MEMBRANE
- 7 DRAINAGE LAYER

Modular planter 40x40cm
19 drippers/m²

Drip irrigation system
3 drippers per module



IRRIGATION

Irrigation system

Irrigation plan

Water quantities

