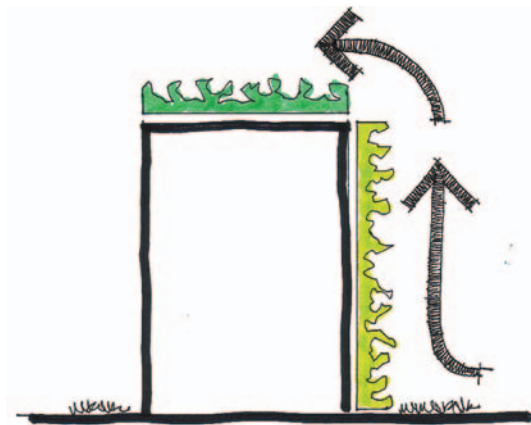


CHAPTER 6

Ground to roof connection

In previous chapters we looked at green roofs and living walls as individual elements, with their respective benefits. Introducing a connection between the green roof and the living wall creates additional opportunities and multiplies the benefits to the building and surrounding environment. Not only are the benefits to the individual building enhanced by combining the roof and wall benefits, but the ground becomes connected to the roof, allowing many possibilities for animal and insect movement, increased habitat options and visual greening of the built environment. The increased vegetation or biomass within the built environment provides benefits, including reduction of the UHI effect and city energy consumption.

An excellent example of this ground to roof connection approach is Japan's Acros building, incorporating the Fukuoka Prefectural International Hall. Designed by Emilio Ambasz, an Argentinean-born, New York-based architect, this very large building features 100 000 m² of office space and a large theatre, built on a former public plaza space. The building was designed to replace this open space with publicly accessible garden spaces.



A living wall provides a connection between the ground and a green roof