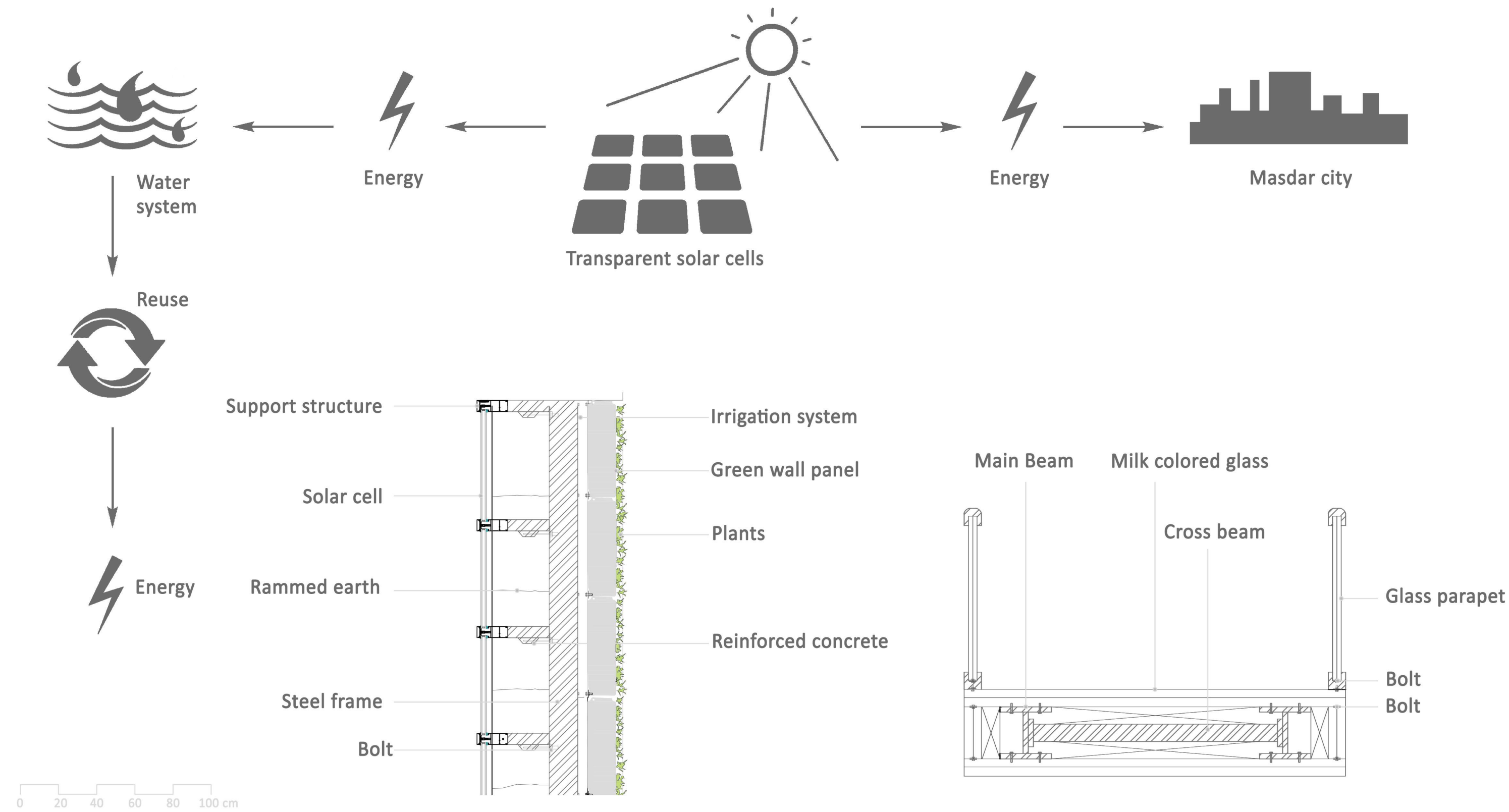


Energy Scheme and structural detail



Material used and benefits

The supporting structure is composed of a stainless steel mesh with rammed earth. The many advantages of building with rammed earth include superior thermal mass, temperature, noise control, strength, durability, low maintenance, fire proofing, load bearing and pest deterrence, as well as its beauty and the pleasure of building with a natural and environmentally sound material.

Vertical green wall are a surefire way to enhance a building's visuals, improve air quality as well as energy levels.

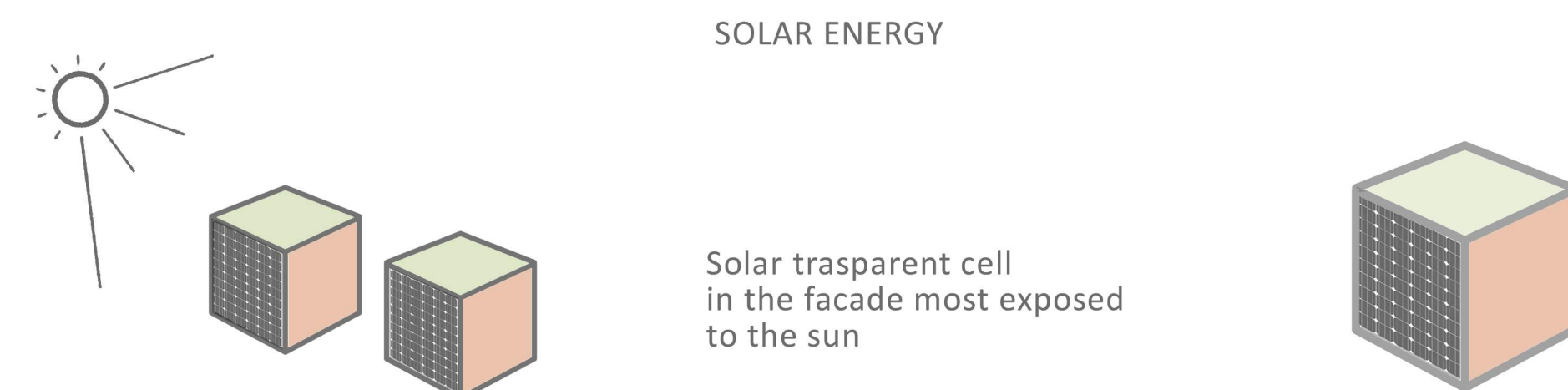
The vertical green walls function to cool the air in the warmer summer months by a process known as "evapotranspiration." This kind of wall can reduce wall surface temperatures by as much as 10 degrees °C, resulting in significant energy savings and air conditioning costs.

Solar transparent cell are useful to exploit solar energy as a renewable energy source and show the texture of the ramed earth at same time.

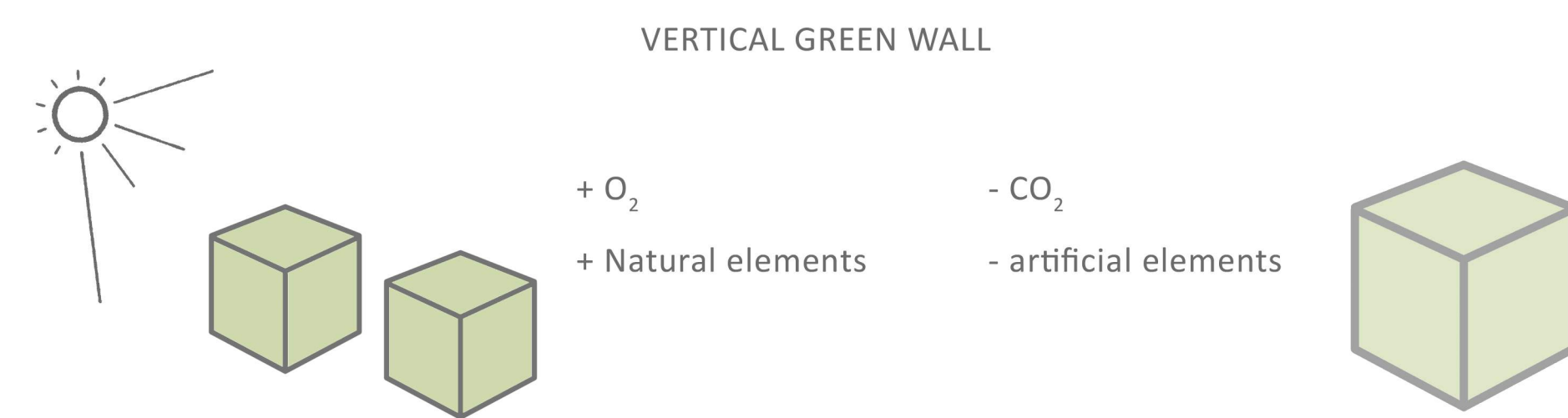
Milk colored and clear glass to give a feeling of transparency and lightness.

Sand color brick floor, to distinguish the area of the two squares in the green path and recall the idea of the desert.

Environmental assessment



Annual power Generated	410 Mw/h
Total Panel Area	1290 m ²
Solar panel Efficiency	16.9 W/m ²
Estimated cost per watt installed	5 \$



Total green wall surface	5000 m ²
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Total rammed earth surface	5000 m ²
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