**CONTEMPORARY SHADING BRICKWORK**

Like under a Mango tree,

The architecture is focused to create a good working environment for the workers, with shadowed and daylit areas. The brick as building material is used around the world, over 3 billion people live or work in buildings made of earth. The idea is to create a building where the wall’s horizontal articulation shows the importance of the layered earth. The building design is an interpretation of the contemporary local architecture combined with modern techniques.

**MATERIAL AND CONSTRUCTION**

Local material

The local and cheapest material in Paraguay is clay bricks. It’s produced in the whole country and the local knowledge of the material is high.

Today in the world half of the population or approximately 3 billion people in 6 continents lives or works in buildings constructed of earth. It’s an important challenge to work with a material so old and widely spread and with such a context as in Paraguay. It’s also abundant and has high durability and low or none maintenance.

The bricks are made from local clay and with old traditional methods which makes it a sustainable material when considering the life cycle analysis.

Local building tradition

The open buildings in Paraguay are often constructed with a concrete framework, brick walls and a lightweight steel frame. The openings are constructed as brick boxes instead of holes in a wall. This also creates a natural shading with deep niches.

**Suspended brick wall**

The perforated brick wall hangs in the roof truss and the bricks are laid on the suspended steel beams.

Perforated brick facade

The panels covering the entrance area building and the offices are made with perforated clay bricks. The bricks are made from local clay and are laid with both anti-infiltration and anti-dust features.