



# Butterflies at Jaunapur Village, Delhi

Aangan 2022  
New Delhi

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# WHAT IS BUTTERFLIES?

*An NGO working with-*

- Children in street situations
- Children of shelterless families and urban poor
- Children in crisis
- Children in conflict with law

[www.butterfliesngo.org](http://www.butterfliesngo.org)



Butterflies...colourful species of  
mother earth...

...need a clean, green  
environment to survive and  
thrive...just like children.

*This earth belongs to our butterflies, our  
children and it is our duty to leave a cleaner,  
healthier and habitable world for them*





A new home was needed to accommodate a range of facilities and services for children

We along with our supporters wanted to design and build according to the principles of sustainability

Our board and colleagues held discussions with Mr. Ashok B Lall, architect, and his team, a known name in the field of sustainable eco-friendly architecture.



# What were our objectives?

## People:

Let us make a space that is beautiful and enjoyable for the children and for all those who will work for their wellbeing.

## Planet

Let us minimise our environmental footprint materials, water, energy.

Let us make it comfortable for the local climate

## Purse

Let us use our limited resources wisely.

Let us make it economically viable and sustainable

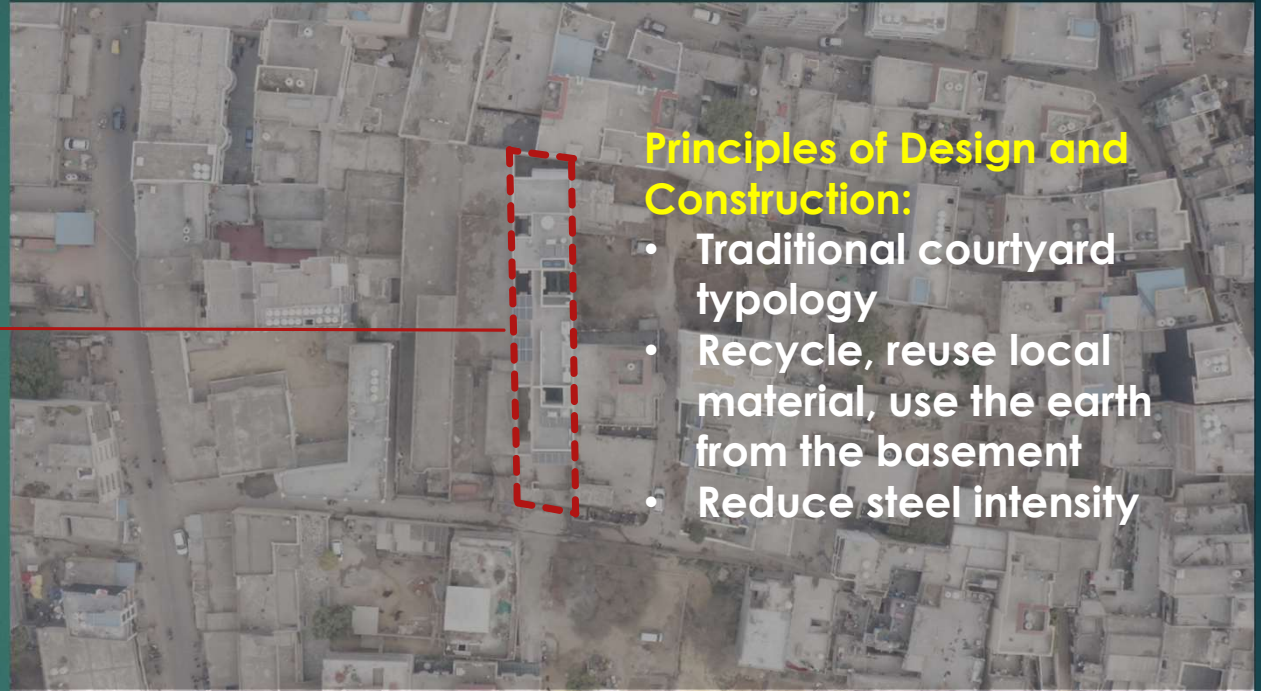
- Villages that are located close to the city get drawn into the city economy
- Existing villages regenerate in response to the demand for affordable shelter.

- Old buildings are replaced by new four storey tall buildings. Open spaces get occupied or squeezed. The urban fabric becomes dense, with narrow streets and lanes.
- The grain of development is small and will have mixed use, as in traditional villages and towns



We look at a small project in an urban village on the outskirts. A mixed use building

We explore



**Principles of Design and Construction:**

- Traditional courtyard typology
- Recycle, reuse local material, use the earth from the basement
- Reduce steel intensity

**JAUNAPUR VILLAGE**  
on the outskirts of  
New Delhi

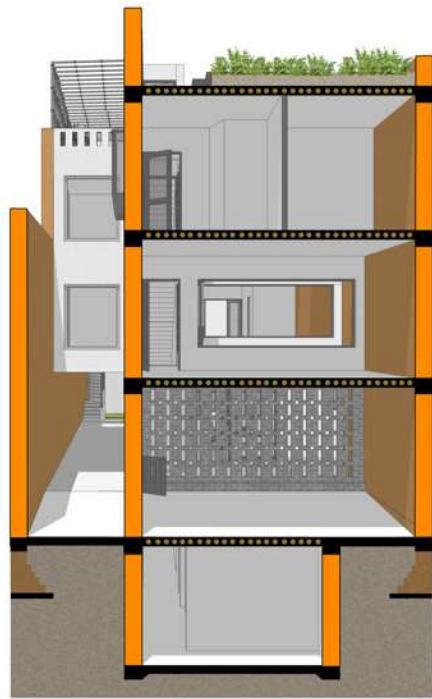




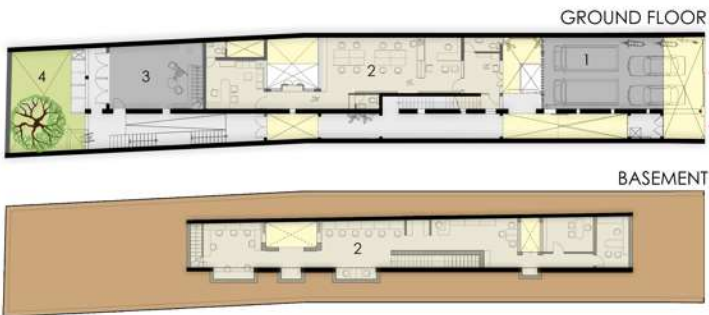
- Narrow plot, deep plan
- Vehicular access
- Three units connected by inner lane
- Courts for light and ventilation
- Basement and three stories
- **Roof as new ground**







- KEY:
- 1 (MULTIPURPOSE) PARKING
  - 2 OFFICE SPACES
  - 3 (MULTIPURPOSE) GATHERING SPACE / RECREATIONAL
  - 4 GARDEN - BOYS' PLAY AREA
  - 5 (MULTIPURPOSE) CAFE / LECTURE / CONFERENCE
  - 6 SCHOOL OF CULINARY ARTS
  - 7 BOYS' DORMITORIES
  - 8 RESIDENCE FOR INTERNS
  - 9 TERRACE - BOYS' PLAY AREA
  - 10 ROOFTOP GARDEN



**Mixed –use**

Residence

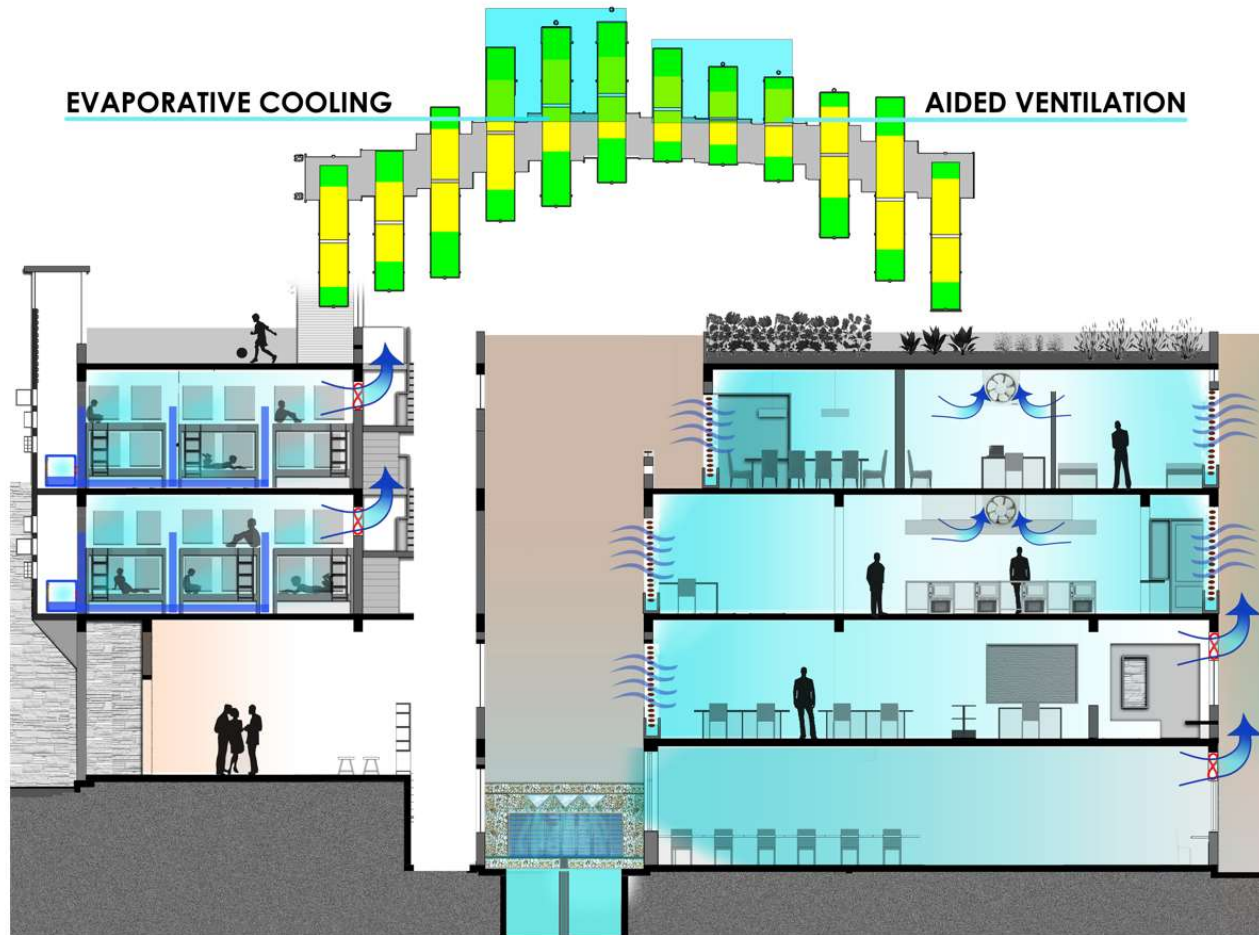
Work

Recreation





# Low energy cooling

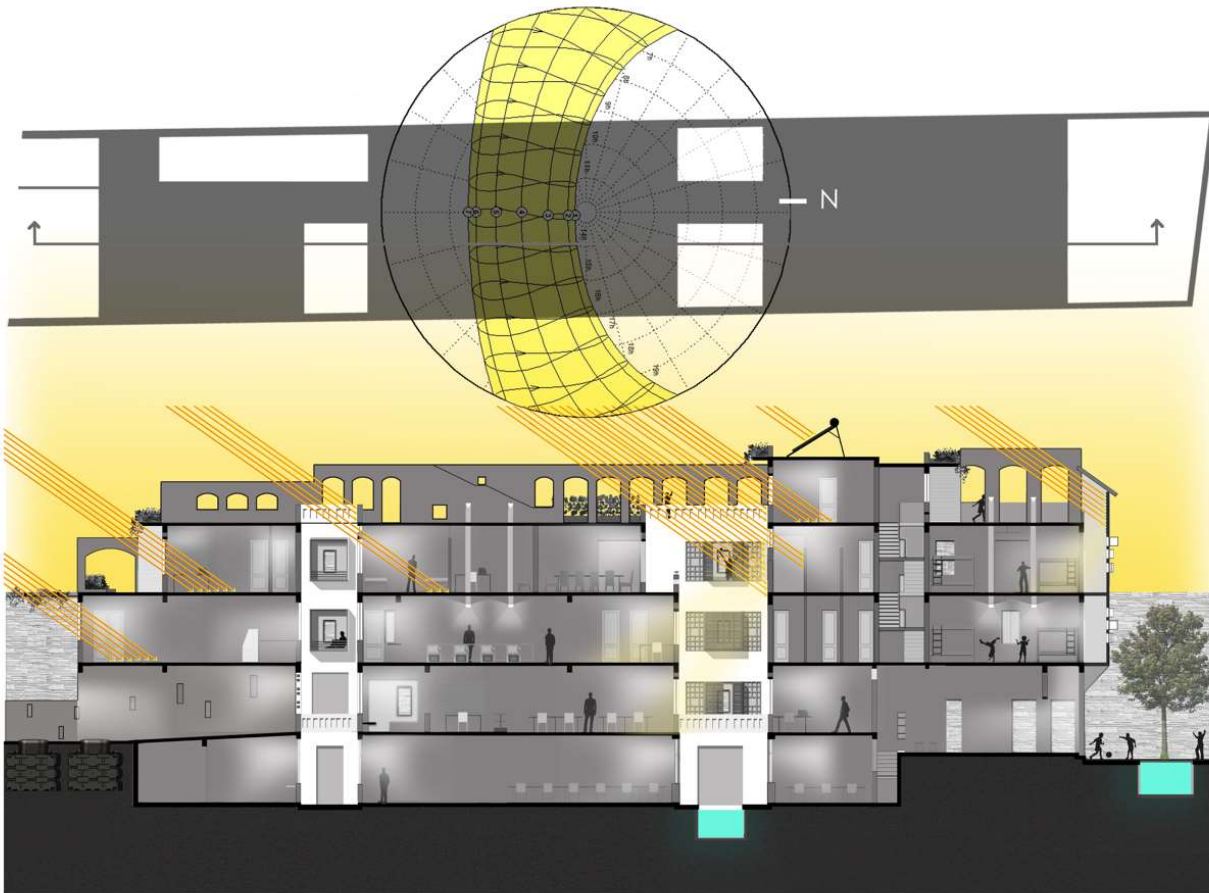


Ceiling fans

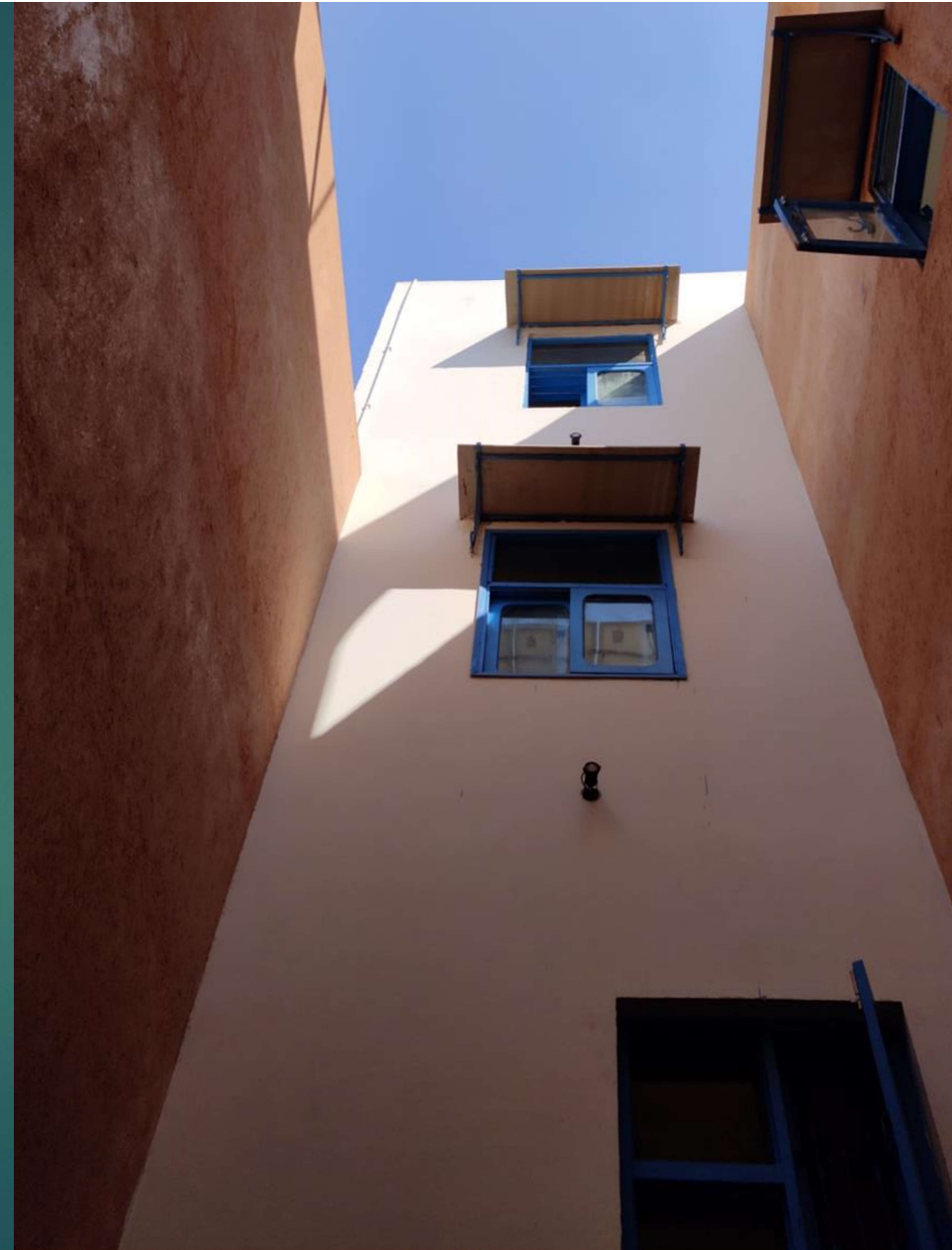
exhaust fan – evap cooler

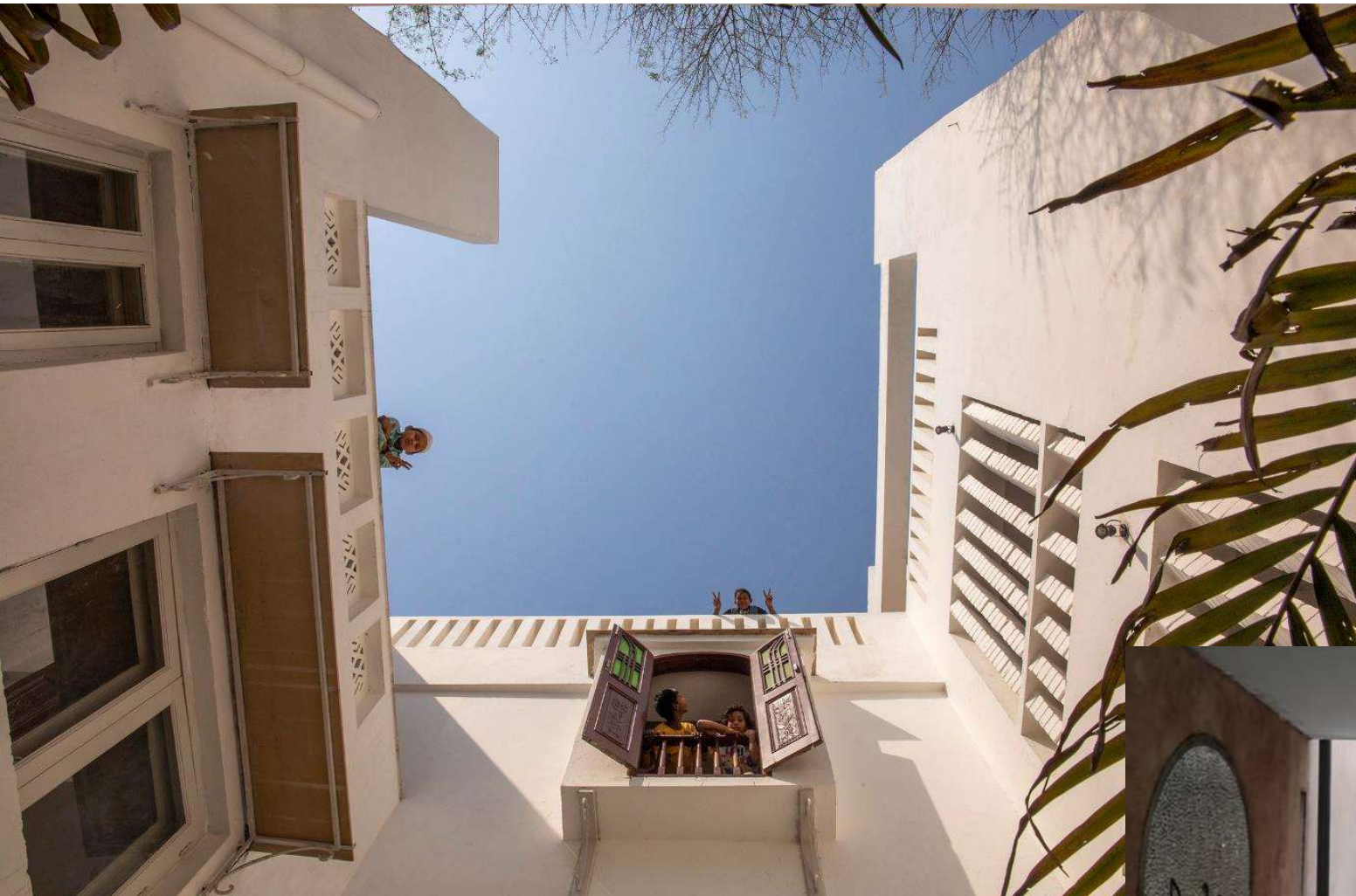


Bright skies and daylight

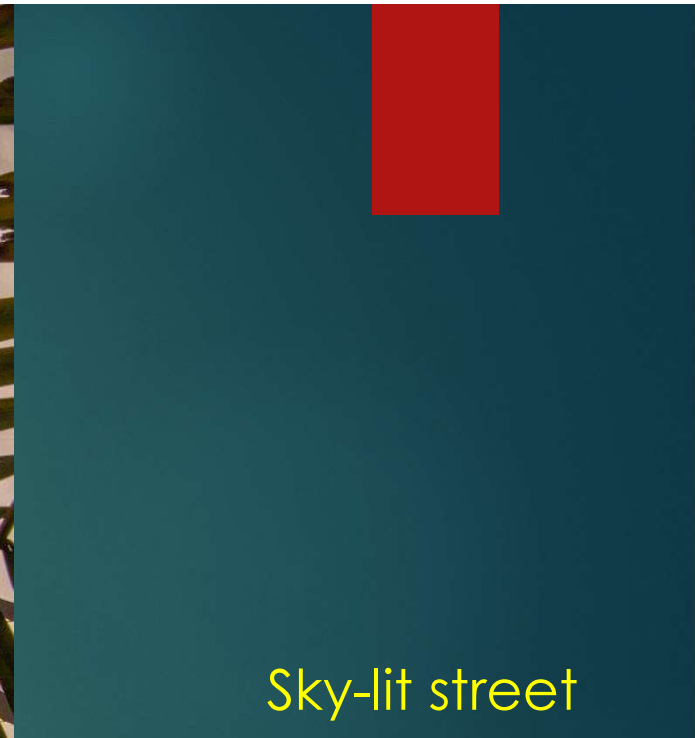


winter solar access





Sky-lit courtyard



Sky-lit street





# Urban farming



**TRAINING**



**SERVICE**



**EMPLOYMENT**

Kitchen waste – compost – organic food





Solar water heater

Solar PV

Solar PV

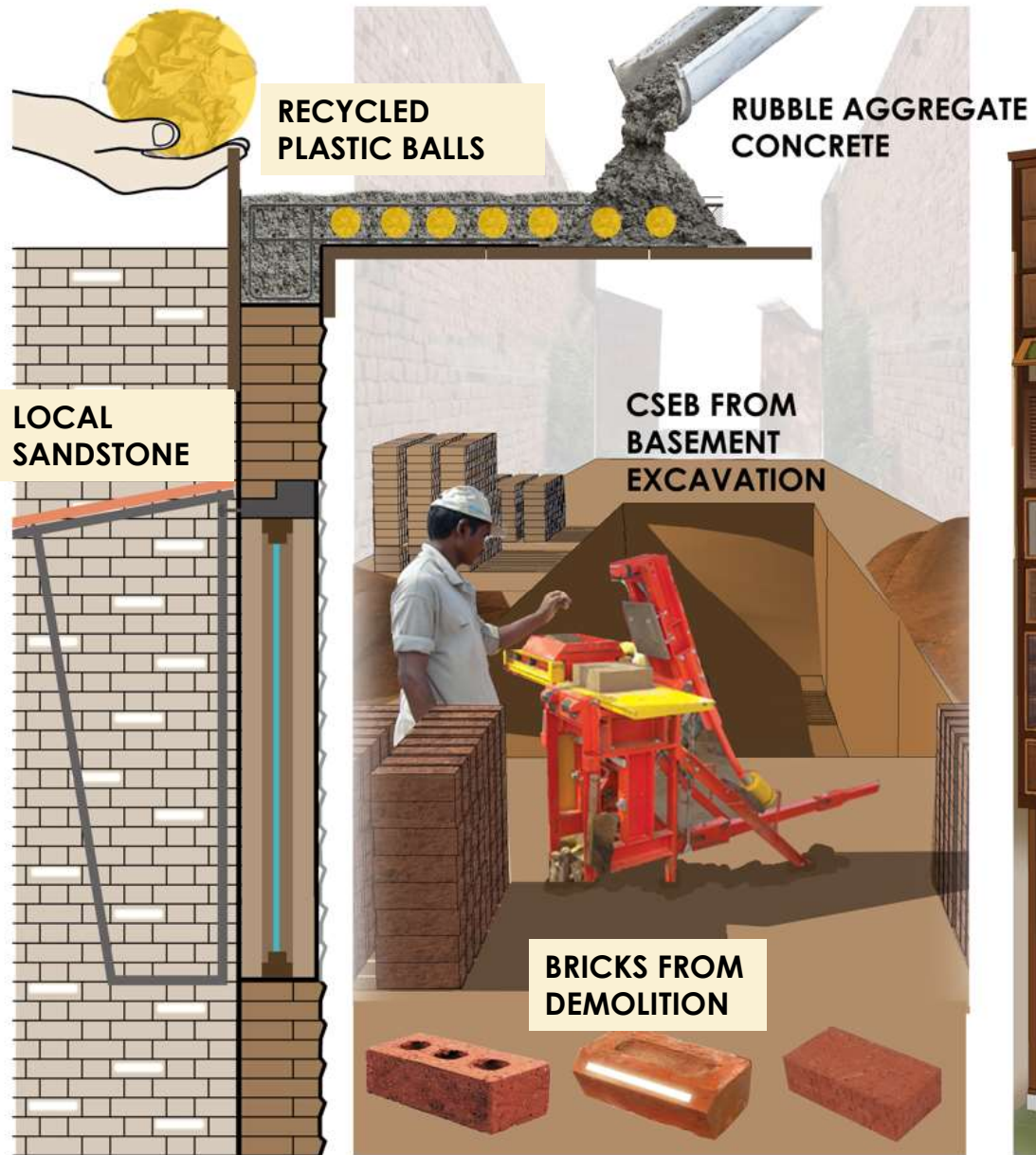
Solar water heater

Solar PV

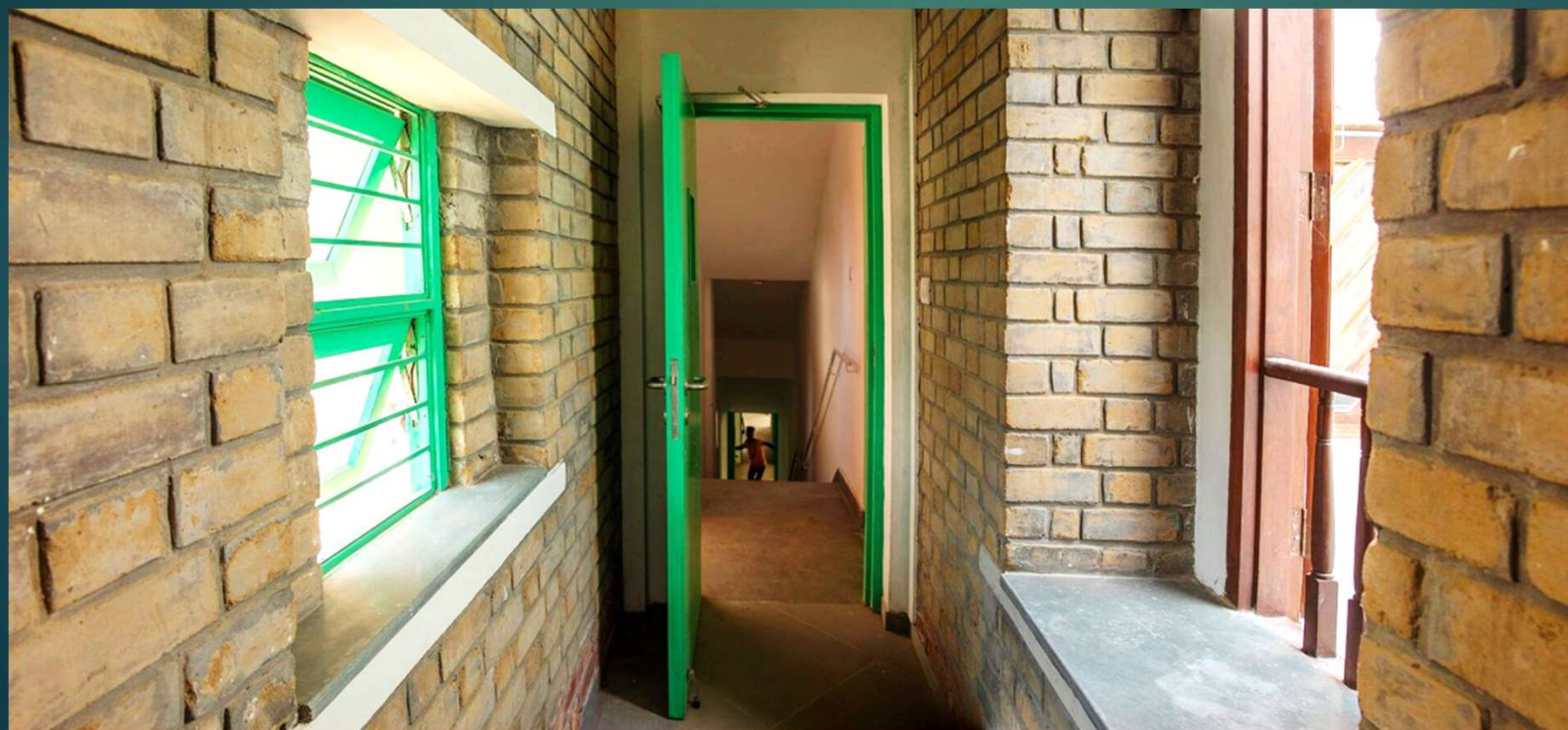


**the sky  
meets  
new ground**





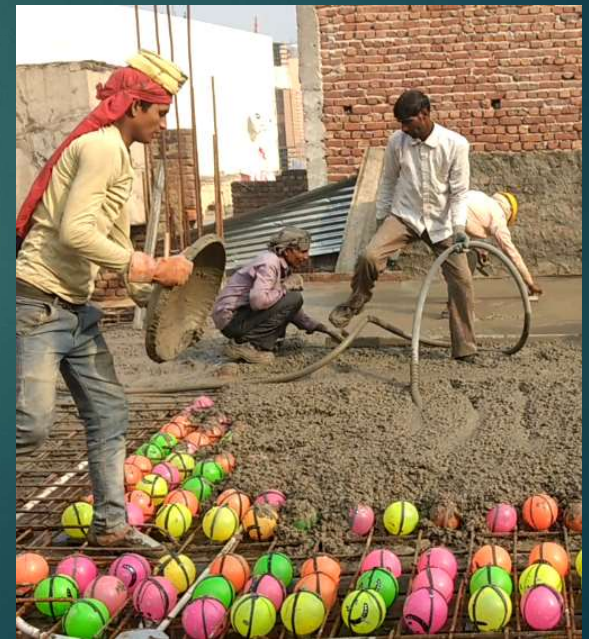




**CSEB**



## Bubble Deck







Recycled doors  
and windows

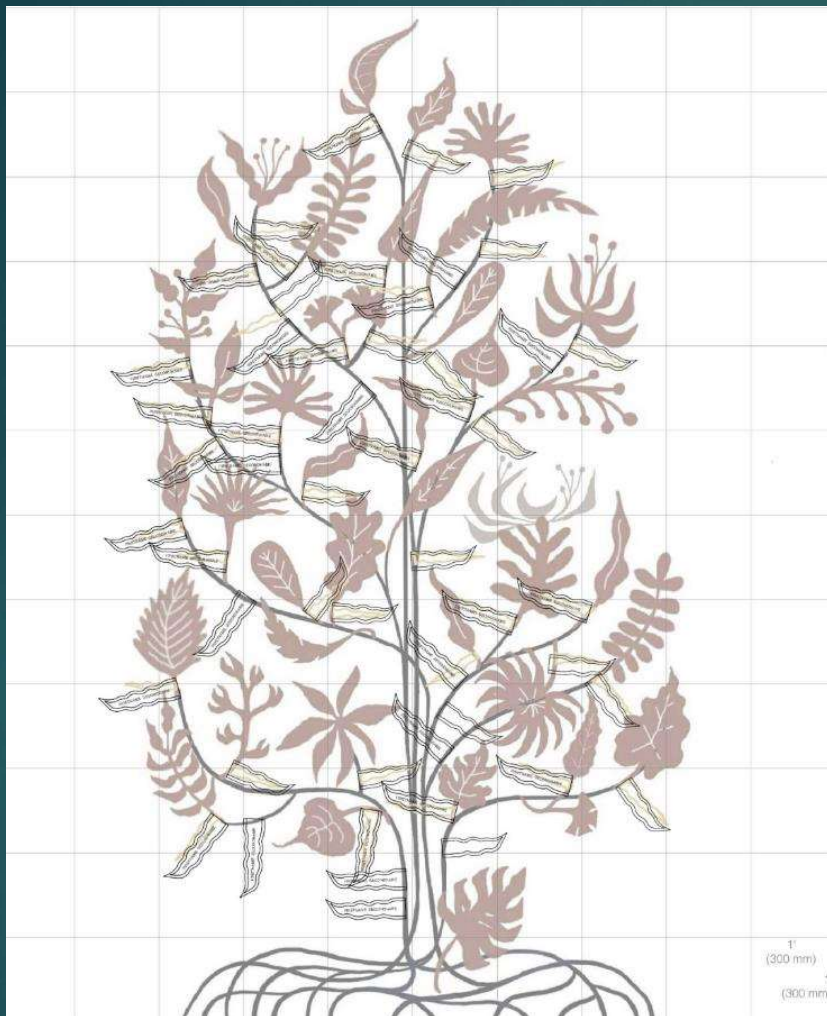
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**Adjustable external shading panels = Art work**





Donors' tree – thanks Misereor !

