Living Units in Clusters with Patio
Maximally space efficient eco-dome homes with central patios between and four fold-up beds, desks, and loft storage space.

Heat-Recycling Eco-Shower
The heat-recycling eco-shower is designed to minimize both water and energy needs by utilizing solar and mechanical heat and bamboo or other eco-friendly materials.

One-Acre Footprint
This village and each of the other 7 villages are designed to fit on a one-acre footprint to minimize land needs, reduce costs, and improve the efficiency of constructing and living in these villages.

Net-Zero Water-Saving Bathrooms
Combines vacuum toilets and ultra-efficient sinks to use less water than other high-efficiency toilets and sinks. They also capture and store enough collection to meet 100% of their water needs.

Vermiculture Waste-Recycling Toilets
These toilets combine human waste processing using worms (vermiculture) with a traditional toilet, urinals, and urine-separating toilet seats tied to a septic system to meet code requirements.

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Do-It-Yourself Space-Maximizing Furniture
Three different open source furniture plans and layouts have been created to meet differing needs and provide a platform for further customization and individualization.

Transition Kitchen Designs
Open-source temporary and remote operation kitchen designs for feeding 50+ people while this village, the City Center permanent kitchen, and future villages are being completed.

Detailed Assembly Instructions for all Village Components
To make everything replicable, we are designing complete and detailed construction/assembly instructions for the furniture, structures, and all other components and subcomponents.