

01365-Low Cost Shelter Project Recovery Park

The extremely economical structure described in 01360-30 foot low profile dome (<http://technosmith.com/contents/01360-30%20foot%20low%20dome.pdf>) could comfortably sleep twelve people around the perimeter.

A variation of 05040 Basic stove (<http://technosmith.com/contents/05040-basic%20stove.pdf>) could provide heating.

Five foot wide personal sleeping spaces around the perimeter would leave a twenty-foot diameter central area for other activities – such as cooking and dining, small meetings and perhaps a workshop for producing products to serve others. As individuals developed and moved to sleeping shelters next to this central structure, it would remain as a common area for cooking, dining, socializing and indoor work space for the growing micro-village it served.

This structure could fit easily into most back yards or other small fenced enclosures so the population protected from exposure could expand through multiplication, rather than unmanageable scale. By limiting usage of each facility to a single group of known people, the isolation would minimize the spread of disease and protect the population from drug dealers, etc.

Obviously sanitation would be an issue that would need to be solved on a case-by-case basis, but other features such as water storage (<http://technosmith.com/contents/02040-30gallon.pdf>), electrical energy (<http://technosmith.com/contents/04030-electrical.pdf>), and perhaps even gardening (<http://technosmith.com/contents/03040-captive%20water%20table.pdf>) could be added as the lifestyle developed. A list of eighty or so additional innovations and concepts with their respective links is available at <http://technosmith.com/contents>

As a meeting place

Within a lockable fenced area, people recently released from substance abuse programs could have a venue for study and social activity where they would not be exposed to drug usage and access.

Club or religious meetings of various types could meet indoors in a safety-enhanced environment.

Small companies or experimental enterprises could use space for meetings and limited workshops for a minimum of expense.

Status and vision

I would be happy to train people in the technologies required and to provide ongoing engineering and prototyping support, but such projects as above would need individuals or groups with the means, vision, and connections to manage the other aspects.

If anyone is serious about this, get in touch with me by email at village@technosmith.com.

Other features

- * The portability would make the temporary lease of unimproved property practical.
- * At under 800 square feet, and covered with a membrane, this structure is classified as a tent, and falls below the radar of most building regulations.
- * By using 12 volt power (anything below 48 volts actually), a whole litany of electrical hazard concerns is also avoided.
- * The low cost puts this solution within reach of individuals, churches, and other groups.
- * Heating is by wood stoves of a high-efficiency design that consume visible smoke. Besides reducing pollution, it yields the smoke energy (approximately 41% of the energy available in wood) .
- * Available stove options include cooking, the firing of clay, and even the forming of metals.
- * Materials cost of less than \$3.00 per square foot.
- * Proven multi-year durability.
- * Mixing of air among stationary occupants could be minimized by having outside air heated, and disbursed from the center.
- * 12 perimeter arc segments of 7.8' each could provide adequate social distancing.