

Make your own Earth Filled Tire!

What are earth filled tires?
Earth filled tires are simple! We collect old tires from land fills and then compact four wheel barrows of dirt into each tire. The tires are laid out like bricks to form a wall like structure.

How to make your own:
Crush up some oreos and then pack them into a donut. In the end you will have a delicious donut filled oreo, just like the ones we make in pine ridge, except not as yummy!

The earth filled tires we make can be up to 300 pounds!



Rams without Borders: Sustainable Building in Pine Ridge

Where is Pine Ridge?

Pine Ridge is a reservation located in South Dakota. The people in Pine Ridge need safe and sustainable housing as many homes lack sewage, running water and access to healthy food. The homes of many are crowded due to the Lakota dedication to family and the tiyospaye system of living that all honor.

“AS LONG AS THERE IS FLOOR SPACE, THERE WILL BE A ROOF OVER YOUR RELATIVES’ HEAD”

What are we doing?

Our project in Pine Ridge focuses on constructing a sustainable community center that can act as a shelter, meeting place and location for seminars centered around sustainability and Lakota culture. The community center is built in the Earthship style using recycled materials. Once constructed the community center will hold events such as training programs about permaculture, food security, natural building and more. Additionally, the community center will serve as an example of sustainable building and inspire others to adopt sustainable practices.

Earthship

Earthship style emphasizes the use of recycled materials and sustainable building. The foundation and walls of the structure are made using rammed earth and recycled tires. It also utilizes solar energy, geothermal heating, and grey water recycling. To add decoration to the walls old recycled plastic and glass is cut into shapes. The Earthship way of building ensures that the most sustainable practices are used.

