

# Construction Projects

Let's build some permanent infrastructures for the camp, which can be used year over year and make our build & breakdown significantly easier (and shorter).

- Power & Water Unit
- Kitchen Container

# Power & Water Unit

## How we handle water in general

You can survive burning man without power, but you definitely can't survive without water. The welcome staff will reject you at the entrance if you do not have an adequate amount of water with you (which the org sets at 1.5 gallons per day). We bring a bunch of 5 gallon jugs of water with us in our camp van when we enter BRC, but that's just backup (self reliance baby!). What we actually do is purchase water from a water vendor. They show up and drop a large 500 gallon water tank at our camp at the beginning of the event, and fill it with drinkable water. We then drop a pump into the container which pumps water to our kitchen, an outside sink for general refill of water bottles, and to our showers.

For 75 campers for 7 days, we need this much water:

$$75 \text{ people} \times 1.5 \text{ gallons} \times 7 \text{ days} = \sim \mathbf{787 \text{ gallons of water}}$$

A 500 gallon tank will last:

$$500 \text{ gallon} / (75 \text{ people} \times 1.5 \text{ gal/day}) = \sim \mathbf{4.5 \text{ days}}$$

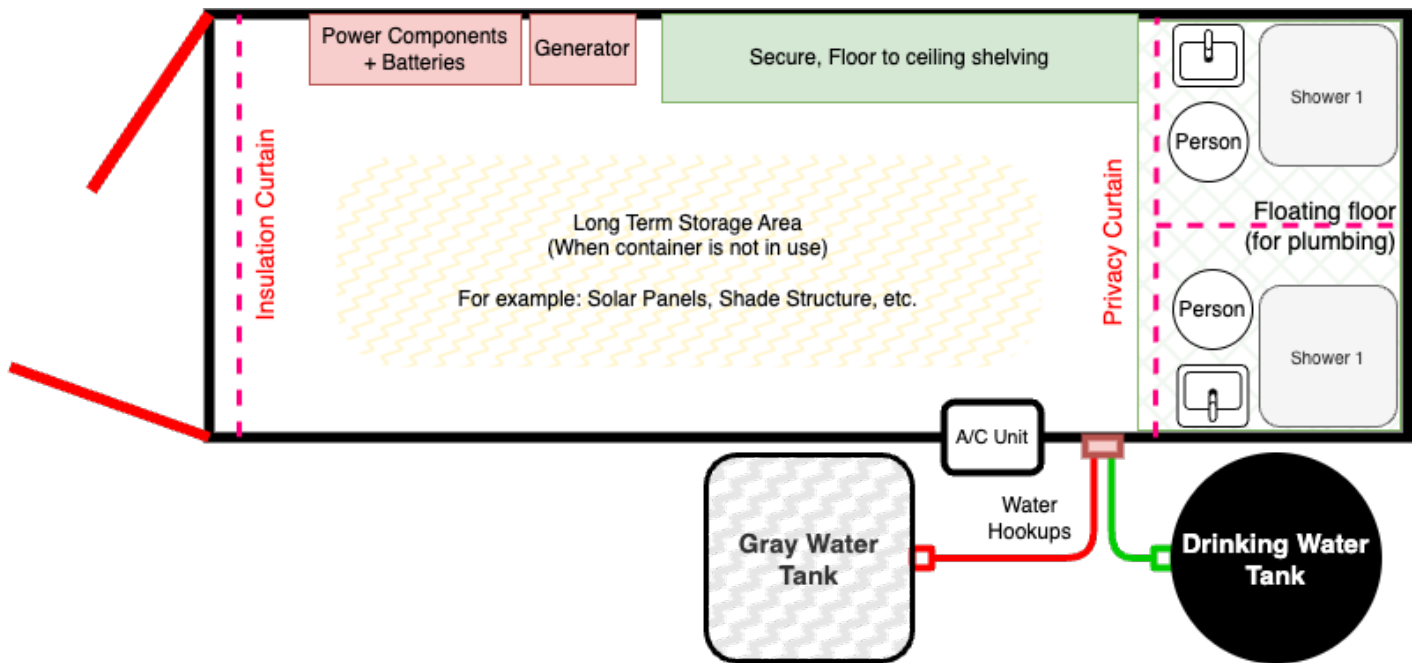
This means we would need to refill our 500 gallon tank on the 4th day of the event.

## Proposed layout

Once deployed, this layout offers:

- Hookups to the water tanks (potable water tank & gray water tank)
- 2 showers & a sink
- A privacy curtain for the people showering
- Secured Shelving for propane, gasoline & tools
- Secured Shelving for generators
- The power distribution board / breakers
- The main generator ready to go for emergencies (with exhaust vent)
- An A/C unit + An insulating curtain to maintain the inside temperature

Before / After being deployed, this will also house the solar panels, as well as some camp furniture.



# Kitchen Container

## General features

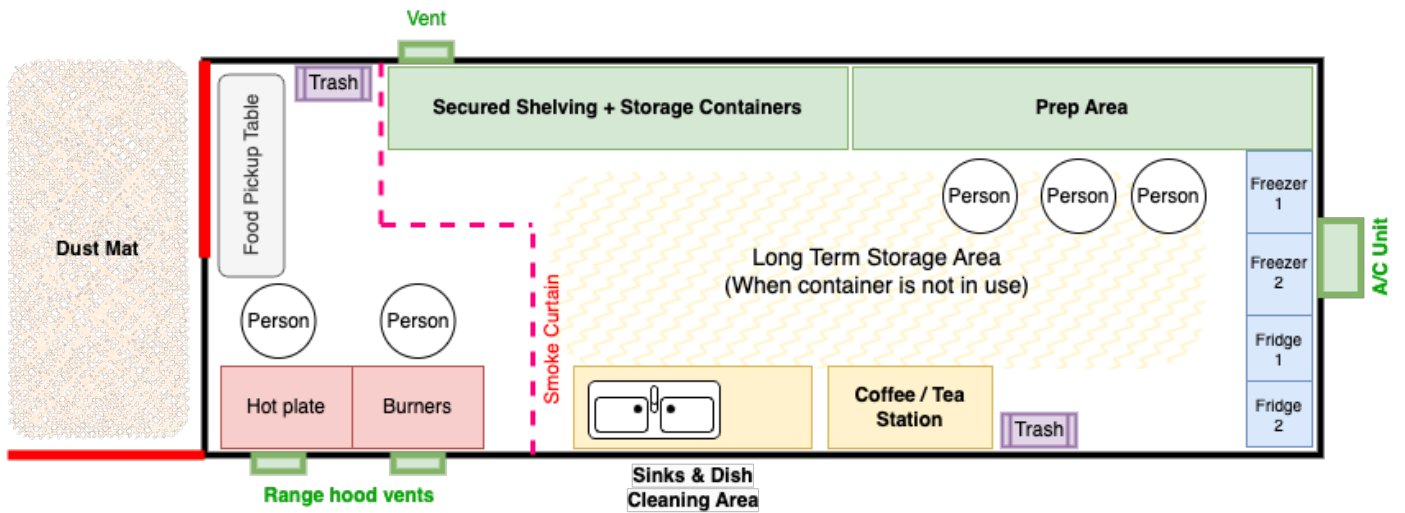
### Functionality

- **Storage for Perishables**
  - 2 x Full size fridges
  - 2 x Top loading freezers
- **Tables / Shelves / Storage units**
  - For pantry / dry goods
  - For pots, dishes & other kitchen utensils
  - Work areas for food prep & benches
- **Appliances**
  - Sink + Faucet + Under sink tank + Pump
  - Stove top (hooks up to gas canister)
  - Hot plate (hooks up to gas canister)
  - Coffee machine
  - Ice maker
- **Water / Gatorade Area**
  - One large water dispenser with clean water
  - One large water dispenser with gatorade
- **Trash bins (one bin per type of trash)**
  1. Recyclable paper
  2. Non-recyclable paper / mixed materials
  3. Aluminum Cans
  4. Steel Cans
  5. Battery recycling bucket
  6. Cardboard recycling
  7. Compostable organics

### Infrastructure

- Power sockets in strategic areas
- A ton of very bright lighting & ventilation
- Ventilated hood above stove top / hot plate
- Air Conditioning Unit(s)
- Airlock curtain (keep the cold air in / keep the dust out)
- Dust mat at the entrance

### Proposed layout



## Alternative Layout

