

Healthy Kingdom

Technical Assistance Request

The technical assistance needed to accomplish the 9' x 30' mobile wellness trailer is related to the customization of the enclosed trailer to run off of solar power to energize the hydroponic and restaurant equipment. For this trailer to withstand the weather, it needs to be fully insulated with air quality to maintain the leafy green vegetables. Fans, dehumidifier, air conditioning, and a heater are the necessary equipment to maintain the proper temperature for the hydroponics.

The trailer also needs to be waterproof and non-slip proof to make cleaning easy and safe. With the process of making smoothies juice, and hot beverages, there will be a need to wash , sanitize, and rinse the containers used for food preparation. The three bay sink along with the hand wash sink will allow the process of cleaning the containers. Not only will the sinks make cleaning easy, but will also be in compliance with the health code standards.

Refrigeration along with hydroponic units will be a constant running appliance needed to maintain the food growth and maintenance of food. A regular size fridge, 39 inches in width , 71 inches in height, 34 inches in depth will be the storage area necessary. Hydroponics can be custom made fitting to the space of the trailer. The goal is to set up 4 units measuring 7 feet in height, and 3 feet wide along the wall as a vertical garden.

Overall the assistance needed to complete the trailer will be more invested in the solar setup of the panels, battery, and the inverter to sufficiently power the appliances within the trailer. The insulation and the decor of the trailer can be completed by the local trailer technicians. The appliances and sinks can also be installed by the trailer technicians as well. Majority of the labor of the trailer is needed by solar engineers fixing the solar appliances to the trailer and testing the efficiency of the energy.

