**Disaster Relief Pod Statement of Work**

Project Objectives:

* The goal of this project is to transform the shipping container on campus into a Disaster Relief Pod that satisfies the requirements laid out in this Statement of Work.

* The Disaster Relief Pod will provide a means of survival for the students and faculty of the school in the event of an earthquake. The design will also be used in other earthquake-prone areas of the world.

Major Deliverables:

* Itemized budget with maintenance schedule
* Visual representation (2D drawing, 3D model, digital model) with math calculations that prove all items will fit in the storage container
* Mid-project conceptual design review
* Final report and presentation

Requirements:

* Size constraints - size of storage container \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Serve population size of school - 1800 people
* Relief must serve population for 3 days
* Assume school and surrounding area will have no power, no cell phone service, and no internet
* Must address common medical injuries, food, water, shelter, and communication
* Consider potential Seattle weather during school year
* Design must work in another earthquake-prone part of the world (not in North America)

Timeline for completion of work:

* Mid-project conceptual design review date: Friday, April 6
* Project design completion date & presentation: Friday, April 20

Location of work and resources, equipment, and facilities needed:

* Location: shipping container on campus
* Resources: okay to use items already in typical school setting

Internal and external standards and guidelines:

* Items in Disaster Relief Pod must be arranged in a manner that will not endanger persons upon opening.
* Items must survive in shipping container for at least 10 years.