

Engineering Specification #12 – Bike Capacity

The purpose of this test is to verify that the bike is able to accommodate patients ranging in weight from 90 to 300 lbs. This is a pass/fail test.

Start Date: 5/14/08

Finish Date: 5/14/08

Engineers set-up experiment: Jonathan Bawas, Carl Mangelsdorf, James Nardo, Jeffrey Tempest, Jen Zelasko

Equipment Needed:

1. Volunteers collectively weighing more than 300 lbs

Experiment Set-up:

- 1.) **Have the volunteers sit on the bike seat with feet on the pedals (one person sitting on the other lap).**
- 2.) **Visually inspect the frame to determine if frame fails under weight.**

Conclusions:

Frame is able to support volunteers collectively weighing 310 pounds. The test has been passed successfully.