

2-18-08 Design Review Notes

Attendance:

Design Team Members:

Jon Bawas
Carl Mangelsdorf
James Nardo
Jeff Tempest (note taker)
Jen Zelasko

Reviewers

Dr. Debartolo (ME)
Dr. Hoople (EE)
Dr. Kempinski (ME)
Dr. Marshall (IE)

General Comments:

- **Carl - Feb 20th** Calculation of Spring Constants:
 - Extreme height/weight combinations not included in calculated average
 - Need to contact customer if there has been a change to the Bike Capacity spec (if unable to accommodate 90-300 lbs patient weights)
- **Jeff - Feb 20th** Evaluate torsion stress of the handlebar post due to the cable mount being off center
- **Jen - Feb 20th** Research price feasibility of stainless steel cable
 - Better corrosion resistance than plain steel cable
- **James - Feb 20th** Verify Working Model simulations
 - Quick/slow oscillation due to patient weight
- **Jon - Feb 20th** Possible addition of audio/visual feedback to notify PT when bike is at center
- **Jon - Feb 20th** Mounting of inclinometer sensor
 - How sensor will be aligned (mechanical/electronic)
 - Placement and Enclosure/case of sensor