Design Specification Considerations

Please answer the following questions.

1. What do you want your project to do?

Aid people in putting compression socks on amputated limbs or feet

2. Is the project for you or someone else?

Someone else

3. If someone else, have you talked to them about design specs?

Yes- Atrium nurses and doctors are contributing to what it needs to incorporate

4. Are you considering a group project? What is your part

No- I am building the donning tubes on my own. However, once there is a finished product, hopefully underclassmen will begin to print them.

5. Will your project be inside or outside?

Inside but transportable so can be either

6. Will your project be portable?

yes

7. Will your project connect to the Internet?

no

8. Will your project use Bluetooth?

no

9. Does your project use a vinyl cutter?

no

10. Does your project use a laser cutter?

no

11. Does your project use a 3D printer?

yes

12. Does your project use a large CNC machine (Shopbot)?

no

13. Does your project have intelligence (Arduino, Raspberry Pi, computer)?

no

14. What are your project inputs?

none

15. What are your project outputs?

none

16. How does your project differ from the project that inspired you?

I did not use a specific inspiration. I researched the different kinds of aids but did not find one specific that I wanted to replicate.

17. When was the inspirational project built?

NA

18. Do you have a tutorial or instructions for your project?

No

19. How current is the tutorial?

NA

20. What is the maximum that you want to spend?

I want it to cost less then $20

21. What are the dimensions of your project?

They are customizable depending on the patient, but the standard diameter is 12 inches.

22. What materials will you use?

PLA

23. Have you completed the spreadsheet?

NA

24. Are the parts for your project still available?

NA

25. Are the tools you need for the project found in the FabLab?

Yes

26. How will you conceal the electronics?

NA