BF CNC Schedule First Draft

Assume all materials are on-site

1. **Mark and Cut Materials – 2 days**
   a. Tube
   b. Cold Rolled
   c. Slats
   d. Notch angle
   e. Cut and torch feet
   f. Gear Rack
   g. Spacers with notches
   h. Torch & Drill Gantry Mounts
   i. Torch mount 3 hrs
2. **Welding - 2 -3 days**
   a. Weld underframe – 2 hrs
   b. Weld Feet to legs – .5 hr
   c. Weld legs to underframe 1hr
   d. Weld waterbed frame – 3 hrs
   e. Weld Rail Spacers – 1 hr
   f. Weld Angle for Slat mounts - .5 hr
   g. Weld teeth to middle slat mount – 1 hr
   h. Weld bung to waterbed -1 hr
   i. Tack gear rack to cold rolled – 1 hr
   j. Weld Gantry – 2hrs
   k. Weld bearing spindles on gantry and motor mounts -.5 hr
   l. Weld torch mount – 5 hrs?
3. **Assembly – 2-3 days**
   a. Bolt Rails to frame – 1 hr
   b. Assemble motor mounts -2-3 hrs
   c. Bolt motor mounts onto frame 1 hr
   d. Bolt Wire Harness and Run Wires – 2 hrs
   e. Assemble PC – 1 hr
   f. Install ground stake -3 hrs
   g. Torch mount – 1 hr
4. **Painting – 1 day**
5. **Software & Testing 2-4 days**
   a. Configure linuxCNC – 1-2 days (maybe more, maybe less)
   b. Test for backlash, repeatability, lost steps – 4 hrs

15 days from start to finish assuming this schedule is somewhat accurate. I expect that things will take longer than expected as usual. The build/assembly process can be expedited with detailed manufacturing instructions which I can provide but I think that much of this project will be figuring out how things will go together as we go despite my best attempts to preconceive the whole process.

My availability varies with my personal priorities. I juggle school, a part-time job, various personal projects, family, and girlfriend so I always have something to do but if this is a project that can offer me some financial incentive then it will eclipse other priorities.

Availability:

S	M	T	W	R	F	S
------	After 6pm	Before 2:30	After 6pm	Before 2:30	4hrs	Available