

DSG-EIC DIRC Meeting

Date: November 28, 2022

Time: 11:00 AM – 12:00 PM

Attendees: Peter Bonneau, Aaron Brown, Imani Burton, Pablo Campero, George Jacobs, Greg Kalicy, Tyler Lemon, Marc McMullen, and Jennifer Williams

1. Next draft of safety documents under review

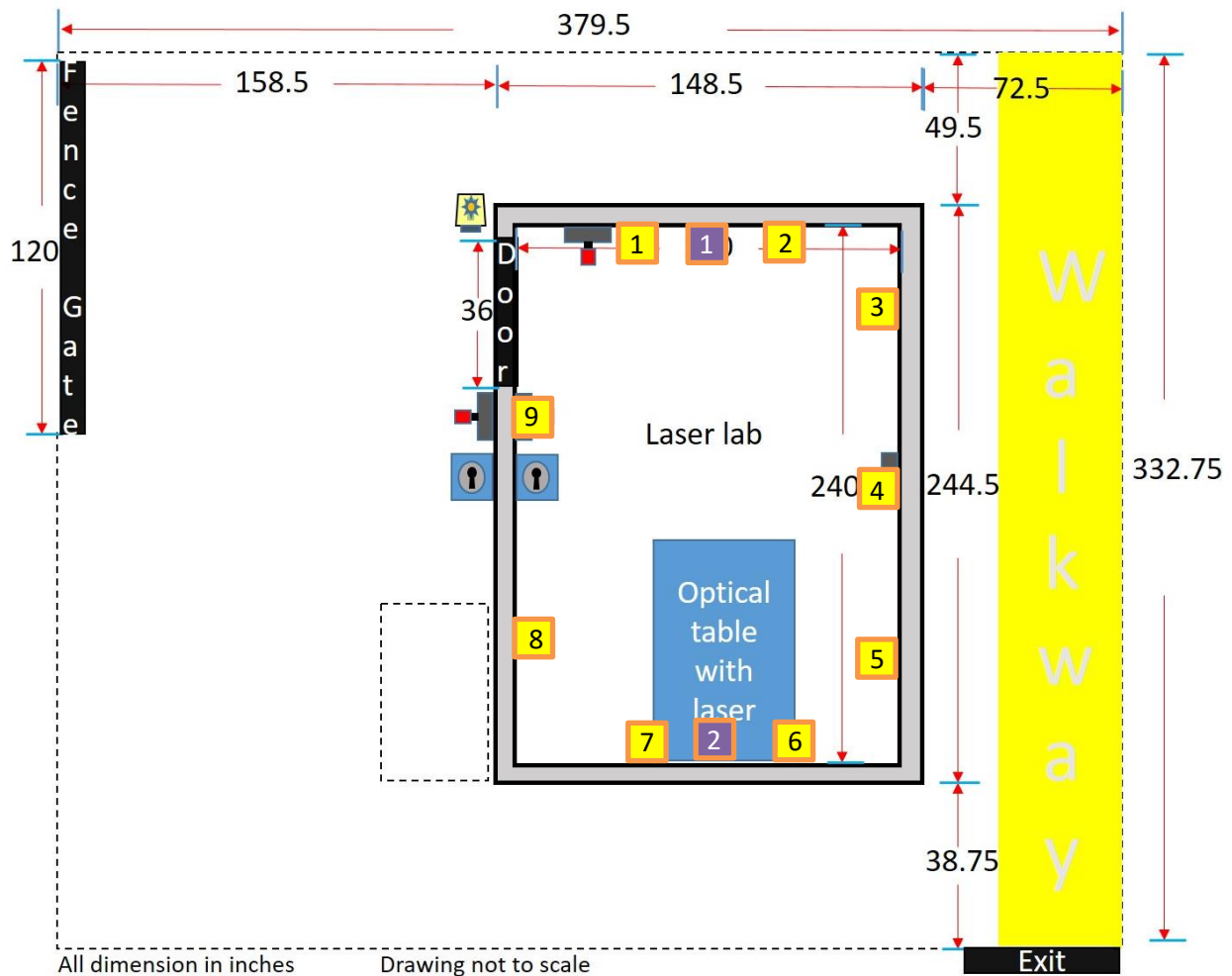
All

1. Marc McMullen will arrange for an in-person meeting on December 1, 2022 to discuss recommendations on latest version

2. Layout of laser area

All

1. Electrical services are yellow squares
2. Network ports are purple squares



3. DAQ system development in progress

Tyler Lemon

1. Received all ordered items
2. Proof-of-concept voltage monitoring program developed to read two differential voltage inputs and display measurements on LCD screen
 - ADS1115 ADC measures two differential voltage channels on a ± 5 V range with 16-bit resolution
 - Arduino Uno reads data from ADC and controls LCD display using I²C communication

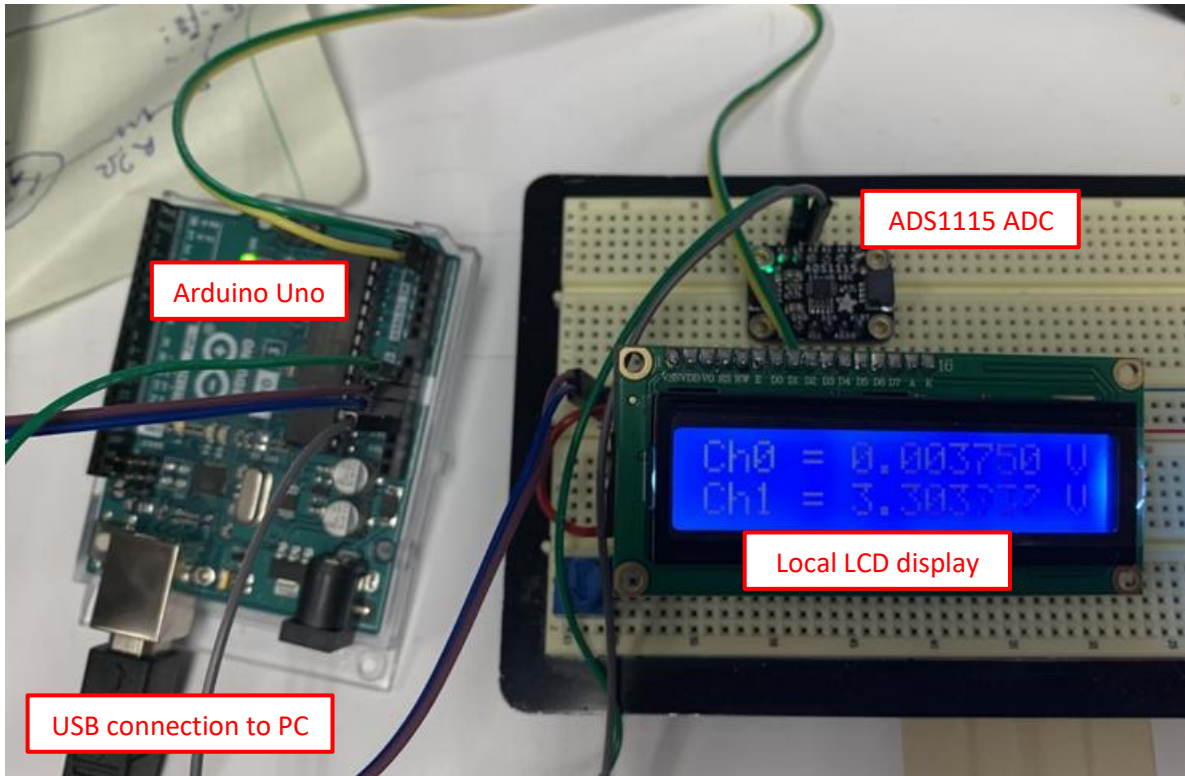


Photo of DAQ system during development

3. Final version design
 - Reads four differential voltage input channels
 - Displays measurements on local LCD display
 - Communicates to external devices using serial RS-232