MEETING MINUTES

Topic: More manufacturing: cleaning up system

Sunday, November 4, 2018 9:00 am to 5:00 pm

Minutes recorded by _Jacob Barker____

Meeting called by _Jacob Barker_____

Attendees: ___Jacob Barker, Samm Metcalfe, Ashley Shumaker (9:00 am-1:30 pm)____

Table 1. Record of meeting.

9:00 am to 9:15 am	 Game plan for finishing manufacturing Made a list of remaining tasks to finish manufacturing Made a list of things left to purchase 	Samm's Apartment
9:15 am to 10:00 am	 Trip to HomCo Went to HomCo as a team to buy supplies. Purchased: Teflon tape to fix leaks in system Foil tape for heat exchanger sealing/installation Materials to attach tube and allow for opening/closing: Hinges Toolbox style latch Screws to attach hardware Foam insulation to seal cut line Brackets to affix heat exchanger Pipe tap of correct size Grommets for thermocouple and tubing holes drilled in cart 	HomCo
10:00 am to 1:30 pm	 Manufacturing Disassembled pressure measurement manifold. Will need to remeasure everything for permanent attachment Drilled holes in cart for valves, tubes, thermocouple wires 	Room 120

1:30 pm to 2:30 pm	 Drilled holes and installed L-brackets for permanent mount Insulated top cart platform above heat exchanger with insulation tape More Shopping and Lunch Break Ashley had to leave Samm and Jacob went to Home Depot to obtain a few more things: Zip tie mounts to clean up tubing and wiring underneath cart, mount pressure transducers More brass fittings for pressure manifold Some were damaged when disassembling 	Home Depot
2:30 pm to end	 Finishing Manufacturing Drilled more holes for thermocouple wires Grouped together on left side of cart near DAQ so they can be switched quickly and easily Measured out vinyl tubing for new pressure manifold Assembled permanent manifold underneath cart Attached valves through top platform, T-joints and pressure transducers underneath platform using zip tie brackets Discussion of Remaining Manufacturing Samm will go to junkward to source second air tank If found, will need to be painted and plumbed to first air tank Need to insulate heat exchanger somehow and install heat shield for safety Will reprint blades for better quality Use fresh half of acrylic tube 	Samm's Apartment