Tasklist:

-diagnostic feedback: integrate with opto

-diagnostic feedback: integrate with mcu, firmware

-system: integrate under lv

-system: integrate under hv

-Lusher: how to get connector to 208 VAC outlet?

-Budget: get mcu pcbv1 delivery date, get mcu pcbv2 info

-final housing box

-Weekly Update: todo

-Progress Report: todo

-Final Presentation: todo

-Help Teammate: todo

-FSR: update design criteria

-Validation Plan: update rd

-relay\_v1: push button, back and forth between 0 and 5V, oscillosope

-relay\_v2: push button, motor starts and motor stops and light turns on and off, video

-knob\_v1: turn knob, wavelength gets larger, oscilloscope

-knob\_v2: turn knob, motor speeds up and slows down, video

-auxiliary power: plug into outlet, ligth turns on and all 4 voltages are correct, oscilloscope and video

-system power: plug into outlet, light turns on and voltage is correct, oscilloscope and video

-Functions: circuit on/off led, motor on/off led, motor runs, motor changes speed with knob, motor on/off button, input circuit 208 VAC

-Testing: create system tests

-CONVERTER test: freq, pk to pk, min, max

-power control: 32kohm for U, V, W or 13 kohmmeasured for P; Iexpected = 0 A < 370 uA <= 900 uA

-relay: 200 ohmmeasured; 225 ohmexpected; Vexpected = 11.25 V < 15 V <= 16.5V; Vmeasured = 15.7 V;

-opto: ## ohmmeasured; ## ohmexpected; 3 chips

4/30: Parts return due