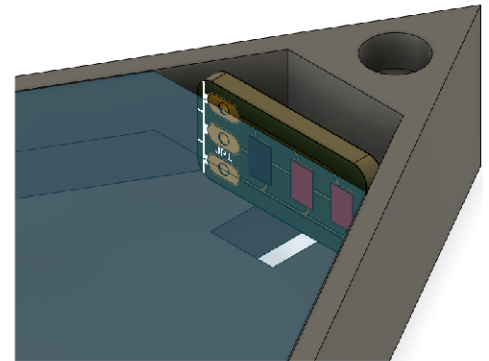
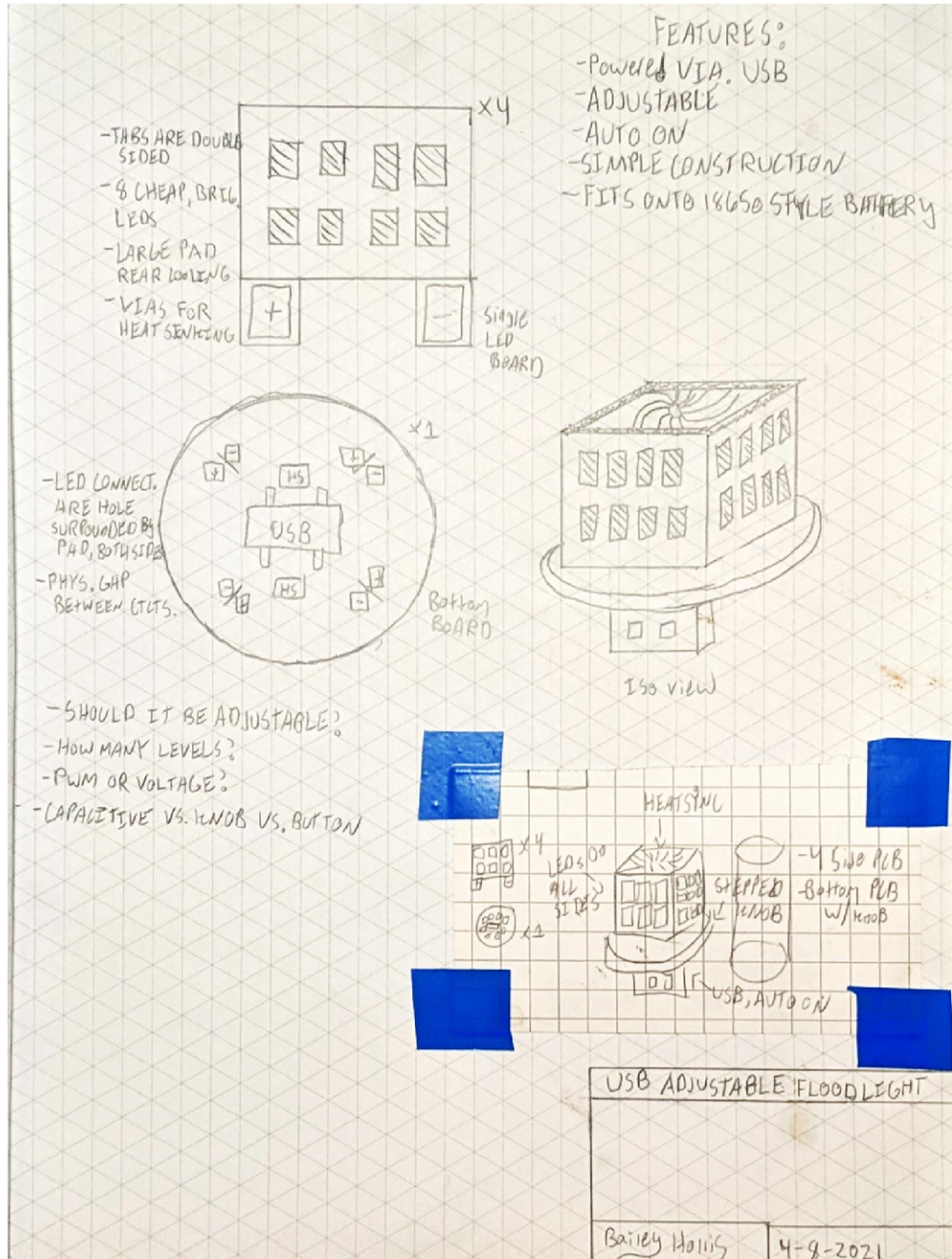


Over the period of 4/19/21 to 4/23/21, my time has been spent mostly on finishing the new CAD model for my panels and on preparing my portfolio.

As I mentioned in my previous check in, I was in the process of recreating the CAD of the panel housing and finding a programming workaround to make two way communication between each panel possible. I am still working on the programming challenge, but I am now done with the new CAD model. Compared to the old model, the corners are significantly smaller, cable routing is improved, and many more aspects are changeable parametrically at any time. This should prove invaluable as I move on to creating the final PCBs for the controller and individual panels. I also took this opportunity to try a new design for the laser cut acrylic, which more closely resembles that of the original NanoLeaf Panel. I hope to get this cut out in the next week, as I prepare to move into the heavy programming and PCB design phase.



Simultaneously, I have begun to put together a compilation of my work from this year. While not incredibly far along, I plan to create a new page on my website which will be a well documented list of the things I have done this year. Mostly, that will include my RGB Panels, my 3d renders, and some other odds and ends that I have worked on for this class, such as some concept sketches for projects I wish to complete in the future. It should end up looking pretty nice, and it will be my main focus for the upcoming week.



An example of a concept, before I bring it into CAD