

# Drink Cabinet

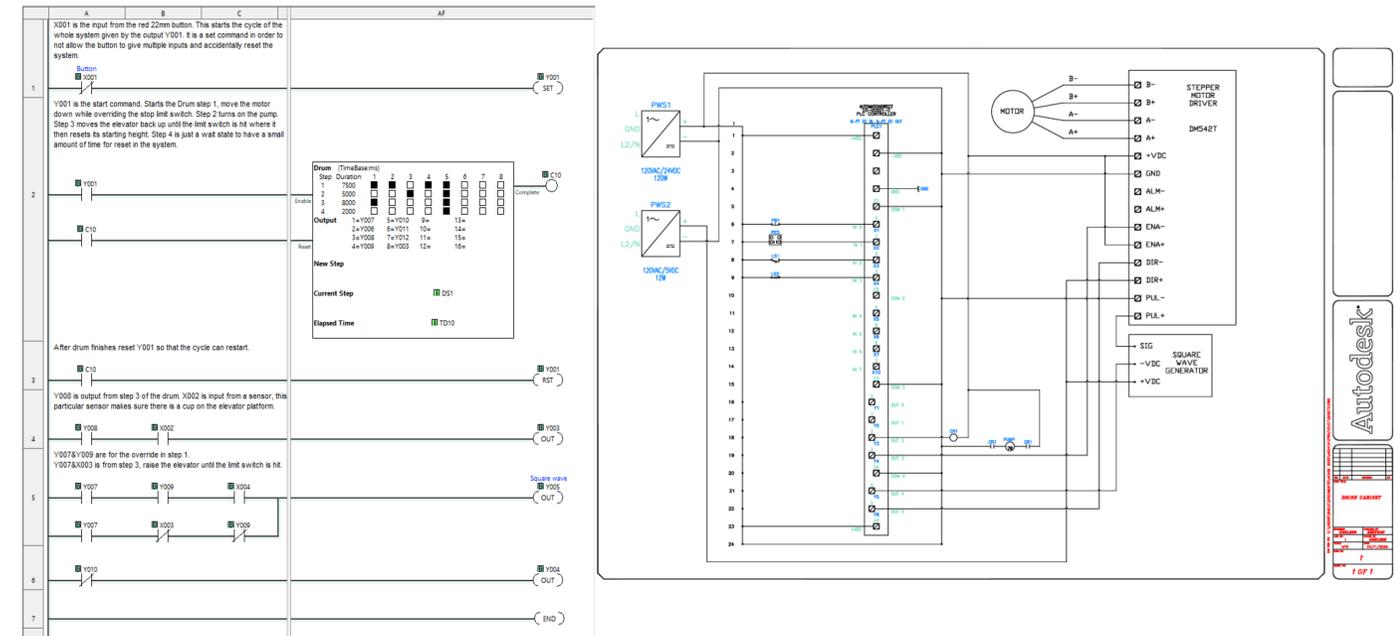
## Project

After a long week of work, you just want to be able to sit down and enjoy a nice cold beverage.

The great system of drink filling and laziness was created. Sit back and let the cabinet do all the work. Just place a cup, press the button, and wait.

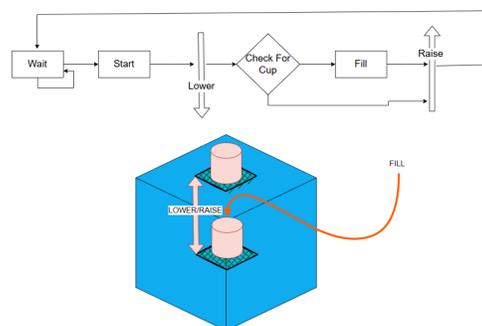


## System



## Methods

- Take PLC and use it to create a multiple input/output system. This solves the main issue that is always presented at university: where is the ability create, make mistakes, and come close to something that might happen in industry.
- The use of multiple different style components, this led to us understanding more than just one standard. Most times red and black are your power wires. In our system some of our power wires are blue and brown, some are red and black, and some are even green and yellow.
- Testing each section was an individualized test. Each piece can be tested on its own leading to a modular project. Any piece of our project can be taken and used on a different project with minimal adjustment.



## Conclusion

### Results:

- System works modularly.
  - Each piece of the system can work on its own without much need from other components.
- Industry Standards
  - Creation of an electrical panel.
  - Use of PLC.
  - Combination of multiple different standards.

### What happens next:

- Production
  - We've now learned how to make a consumer product. We can now implement that into anything we design in the future.
- Industry
  - Each company/industry will have its own standard. We just followed some of what we knew and going into a job would like to be able to make good looking products according to the standard given.