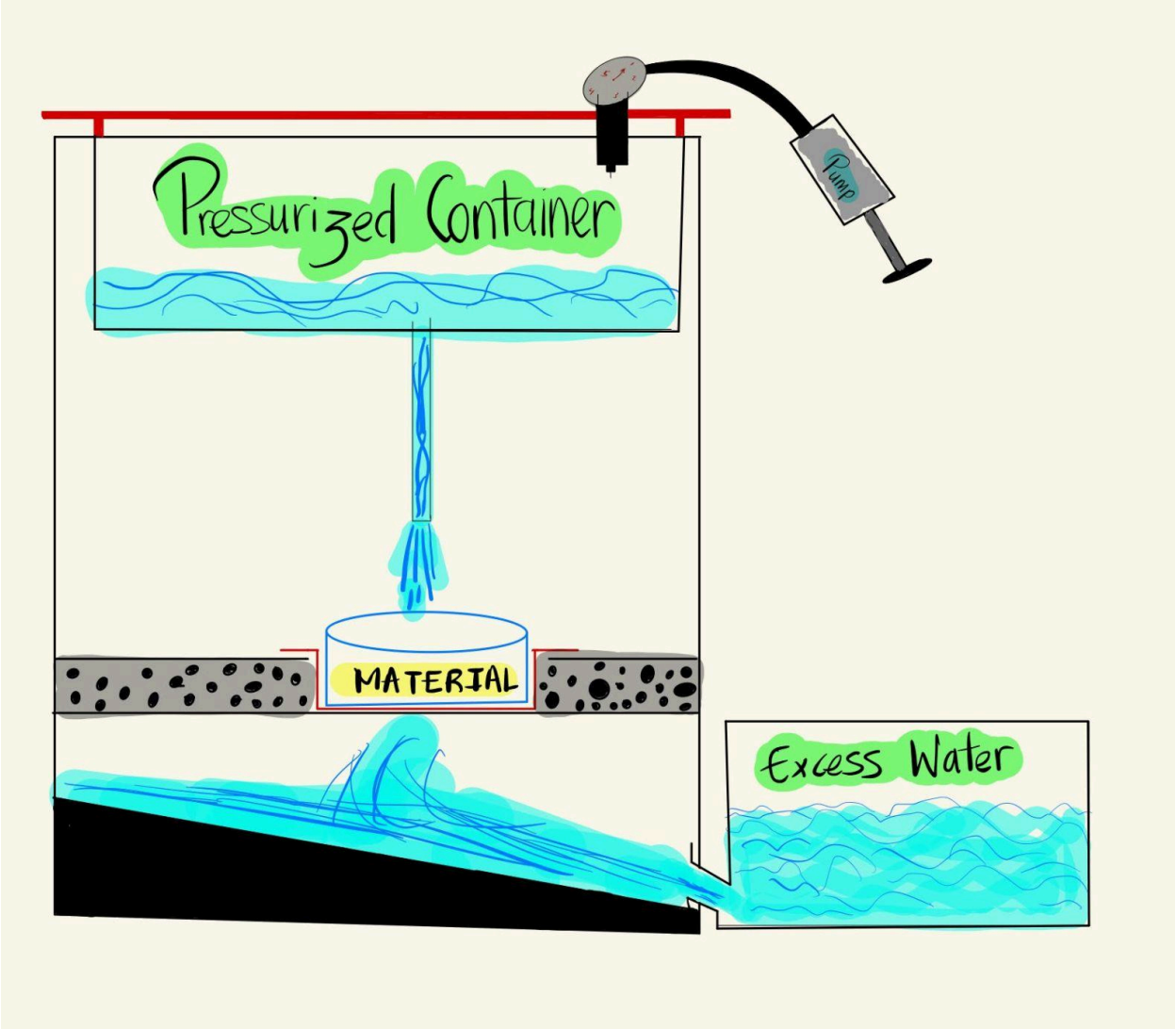
Final prototype improvements:

1. Adding MDF boards alongside panels to increase structural stability.
2. Constructing a box for enhanced durability.
3. Installing additional slabs on the sides of each box for further stability and improved waterproofing.
4. Incorporating plexiglass for visibility during water/ocean simulations.
5. Introducing a laser-cut drain to facilitate water drainage.
6. Ensuring a slanted design to direct water flow into a designated bucket or container.

Here is the skeleton that we have of are third Prototype

And here is the schematic of the plan



Task list

1. Plexiglas
2. Airpump
3. Containers
4. Flex seal
5. Water proof paint
6. Pvc pipe

Things that we learned

1. Implementing a compressor to vary water pressure levels during testing.
2. Opting for a cheap air compressor instead of purchasing a costly air compressor from Amazon.
3. Choosing to circulate water instead of acquiring a water pump to reduce expenses.

Here is are first prototype

Our objectives are to meet up as a team and to go to some stores and purchase the final materials so we can put everything together and do some salt level tests in water pressure tests to see the effects of water erosion on our chalk.