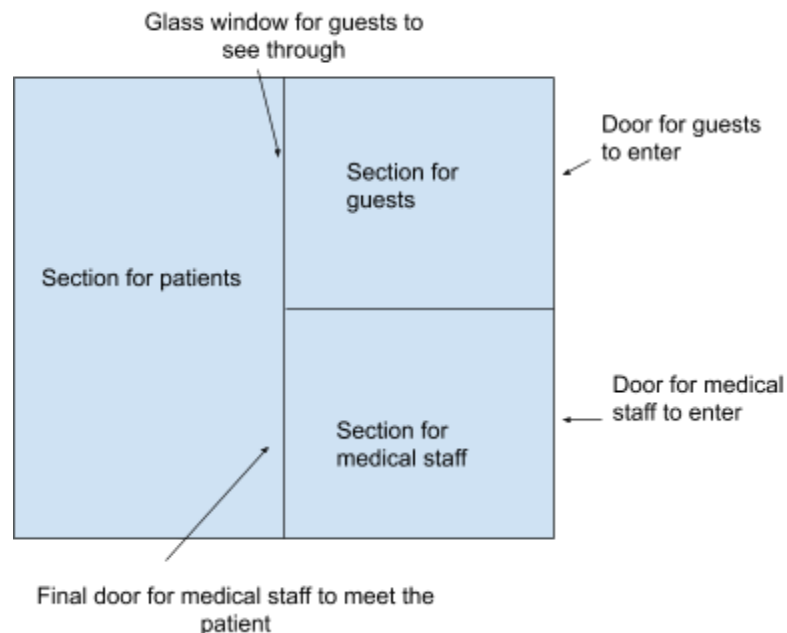


Design Description

Our group concluded and decided that the first design alternative is the best design.

Changing room design to create a meeting room so that people can talk with the patients face to face with a glass in between.

For the design, each negative pressure room outside has two doors to enter from, one for guests, and the other for medical staff. For guests to enter, they must first obtain a specific key card from the medical staff to unlock the door. For the medical staff, they have to use their ID cards to unlock the door. Inside each room, it is divided into three sections that are enclosed by walls. For the guest room, it has a glass window that allows the guests inside to see and communicate with the patient, with no doors that allow the guests to enter the room. However, there are seats in the room for the guests to sit in. The other section that is for the medical staff is primarily used for the medical staff to wait before entering to ensure that none of the contaminated air exits the room. Also, there is a device that the medical staff can talk through that lets the patient know they are about to enter. The biggest section that takes half the room is for the patient. It is to make sure that the patient has enough space to feel comfortable. A large bed is also inside to fit a patient of any size.



Furthermore, each patient has a doll that has a built-in device that they can use to communicate with the medical staff. The doll can record what the patient says, which can be accessed by the medical staff and the psychiatric counselor who can take actions to mediate the patients' condition based on the message they input.