

Universal Design

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Universal Design Principles

1. Should be fair to use :

The design should be useful to all people with diverse abilities.

2. Flexibility in Use :

The design should satisfy a wide range of the individuals' preferences and their abilities.

3. Simple and Easy:

The design should be easy to understand, regardless of the user's experience, knowledge, language skills, or their concentration level.

4. Easy communication:

The design should be able to effectively communicate necessary information to the user, regardless of the user's sensory abilities.

5. Have strong impact and safe to use:

The design should minimize any hazards or consequences of any accidental actions and maintain strong impact.

6. Ergonomically friendly:

The design can be used efficiently, comfortably, and should not be difficult or tiresome.

7. Size and space should be appropriate:

Appropriate size and space is provided for approach, reach, manipulation, and use regardless of the user's body size, posture, or mobility.

Implementations of UD in Hotel Spaces

Accessibility: Human traffic

Circulation: Space to maneuver

Ergonomic: How human interact with physical and psychological comfort.

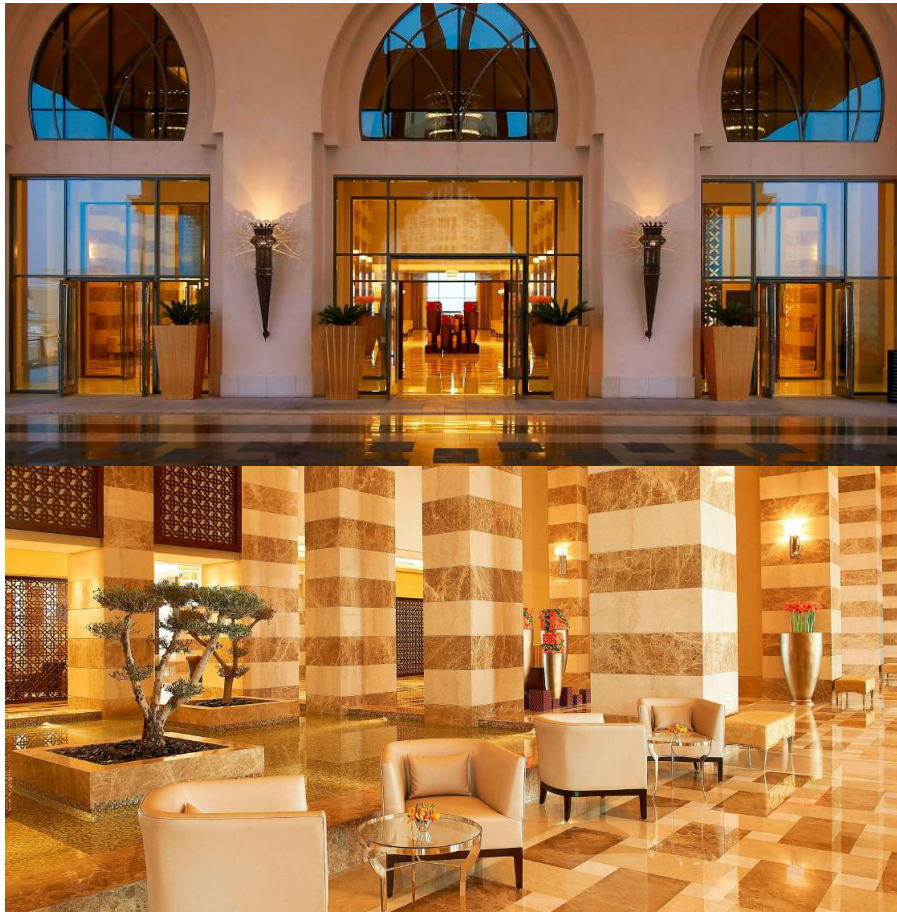
Proxemic: Social distance



The St Regis Hotel West Bay ,Doha

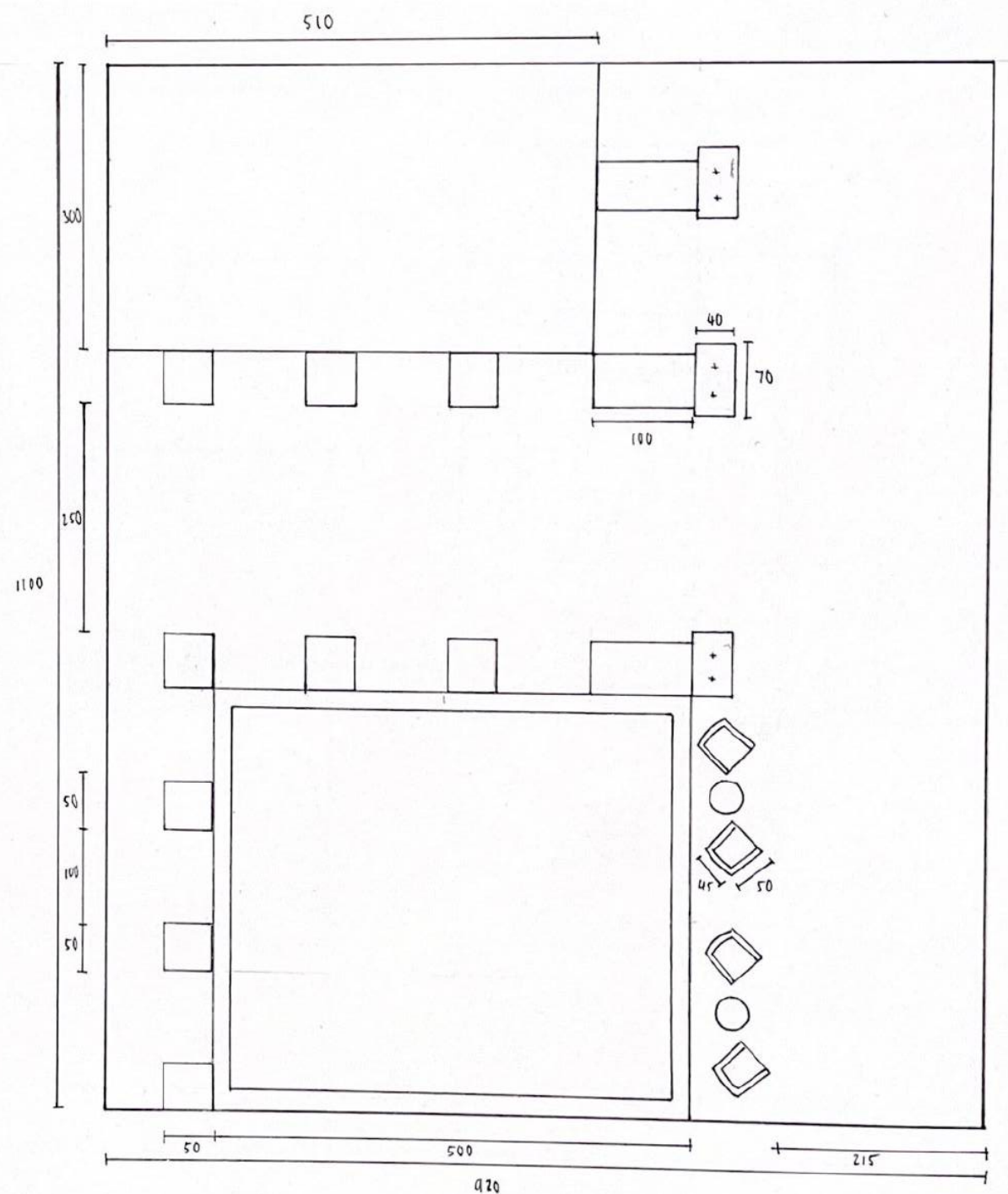


Lobby

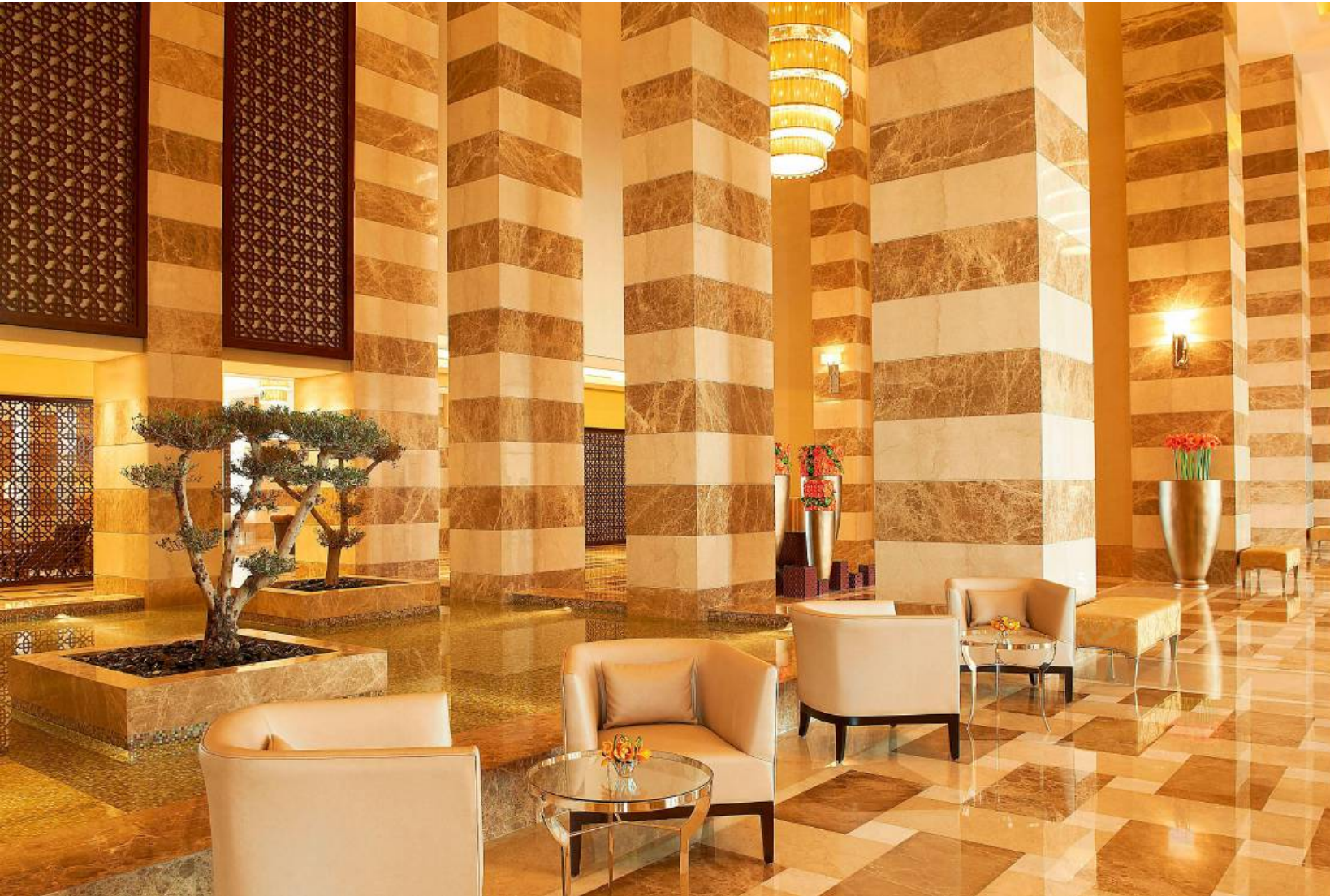


Requirements:

- Should have at least seating for two
- Should have facilities for the disabled
- The size of the area should be in direct proportion to the size of the hotel
- Main entrance should have special provision for the disabled
- Should be spacious and well decorated



Lobby



Accessibility:

May be low in traffic as guests would be moved in the waiting area
But may also be high in traffic as its close to the entrance

Circulation:

Area is well circulated, enough space for people to move
Easy for the disabled to move

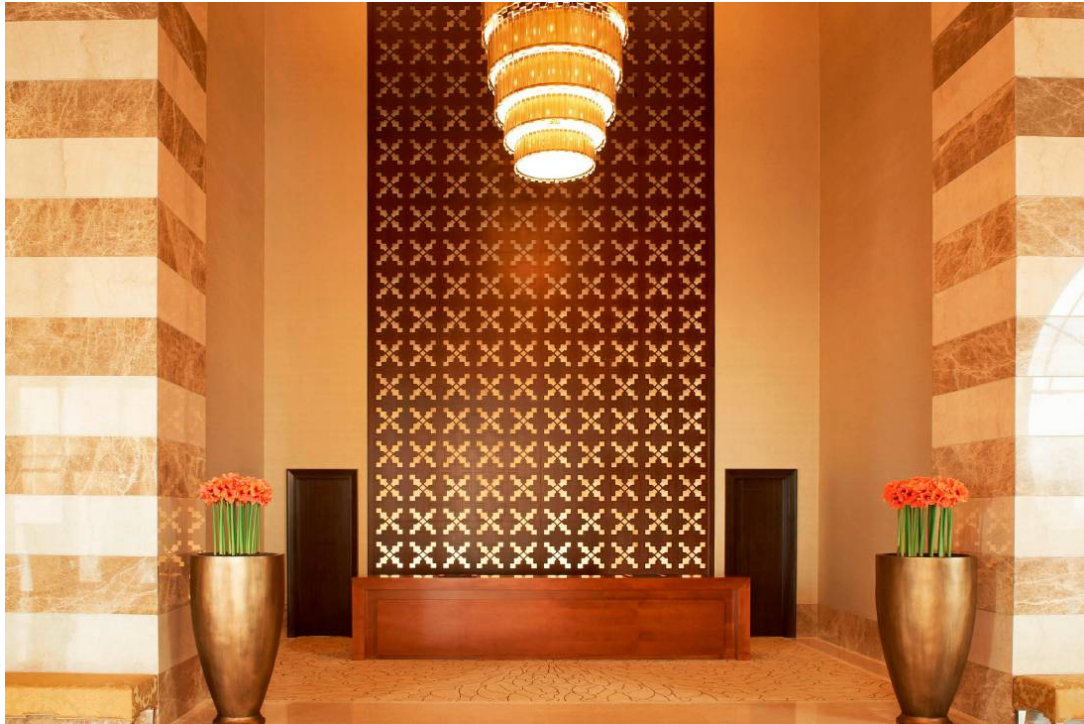
Ergonomic:

Chairs are quite low, may be difficult for those who are in the higher percentile (taller)
Not a problem for those who are average in height

Proxemic:

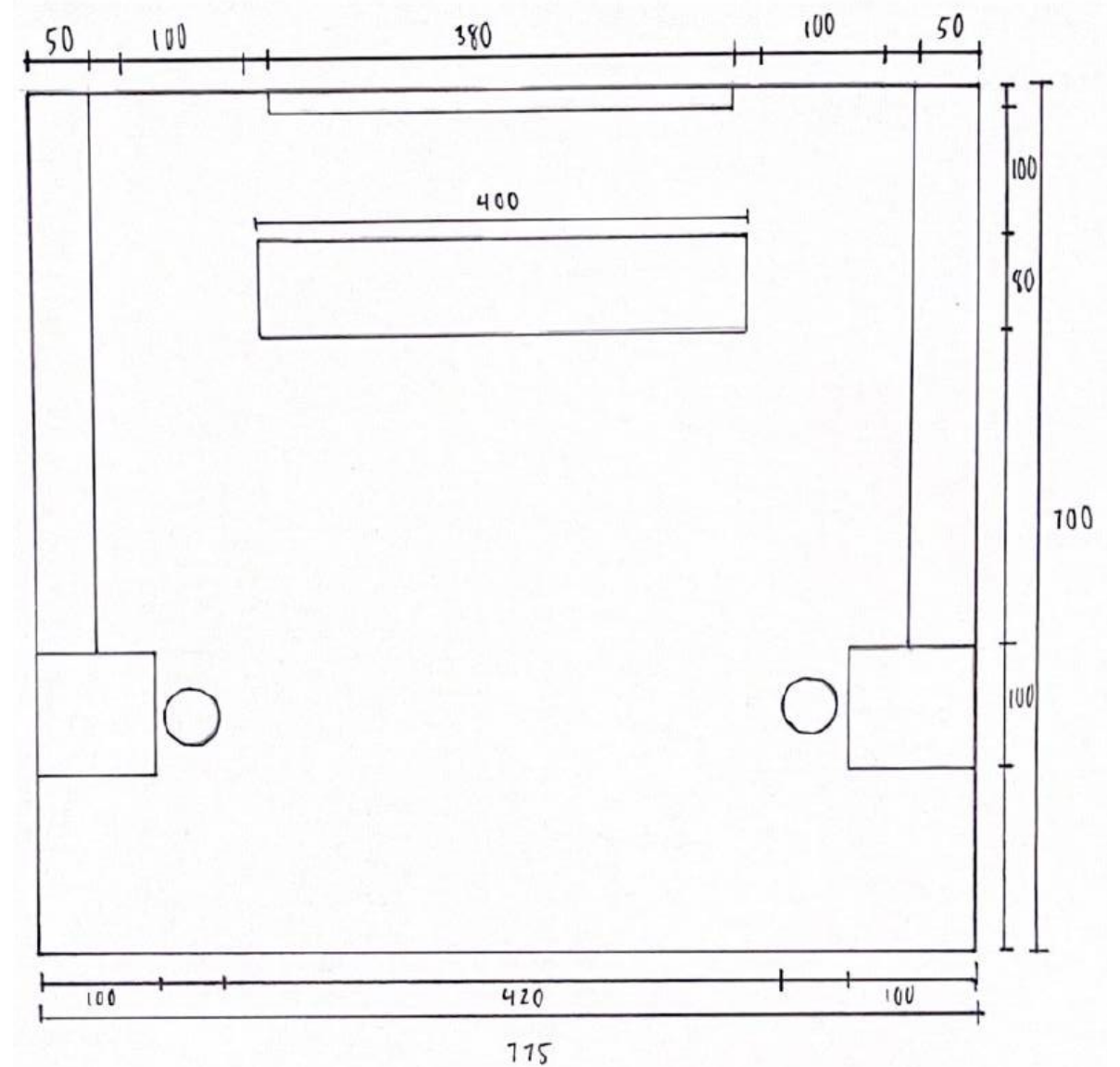
Guests are able to socialise due to the pair of chairs
The pair of chairs may be close to each other and may cause disturbance
Also have benches for those who are alone and want personal space

Receptionist Area



Requirement:

- The size of the reception should be in direct proportion to both the type and size of the hotel
- Should have a receptionist desk
- A comfortable chair and is ergonomic
- Chairs for guests
- Table for magazines and to place their belongings



Receptionist Area



Accessibility:

High traffic area, busy with guests and receptionist

Circulation:

Area is well circulated, enough space for people to move

Easy for the disabled to move

Ergonomic:

May be difficult to reach the receptionist desk due to the height for those who are disabled

Proxemic:

Guests are able to distance themselves for other guests due to the space provided

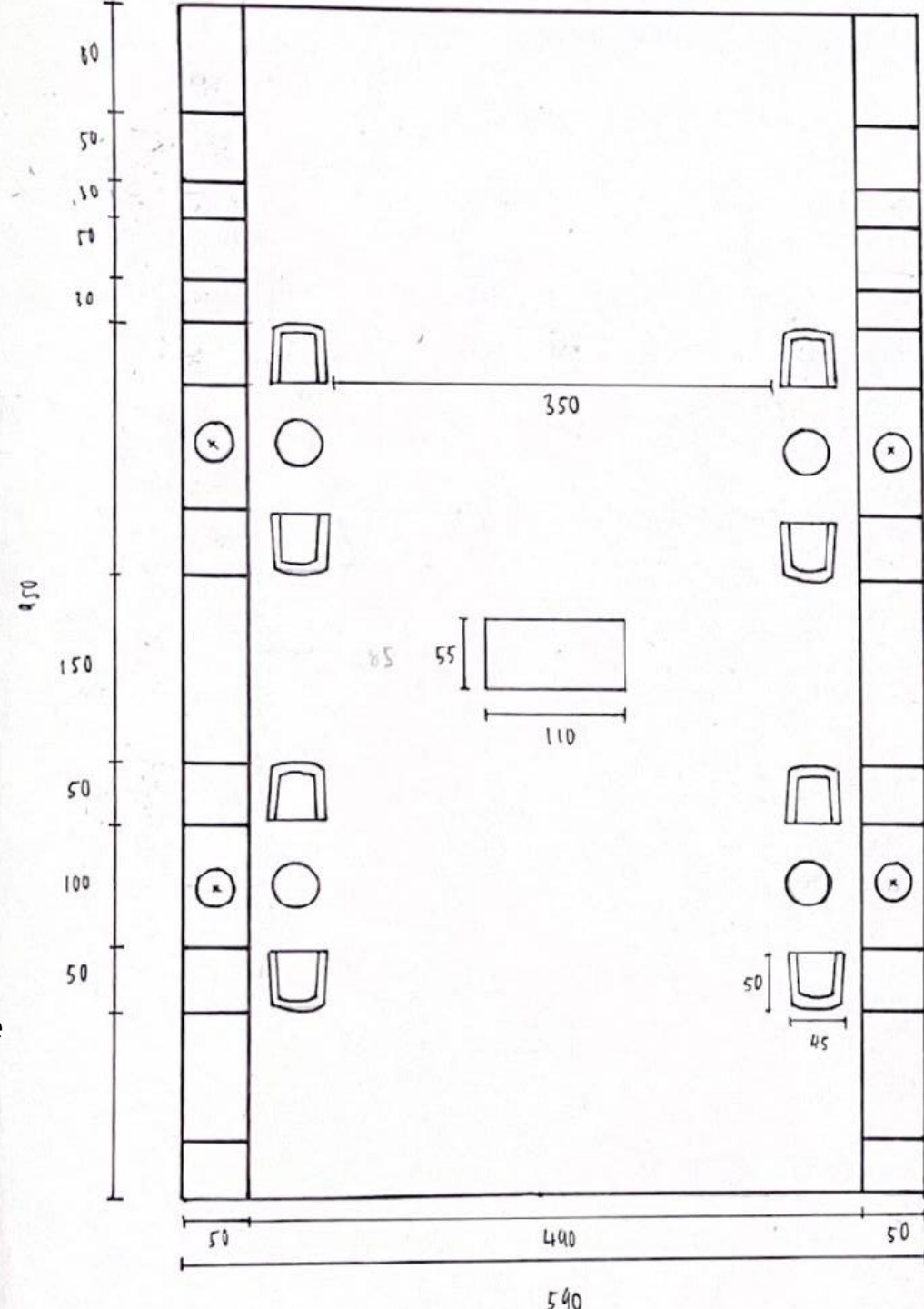
There are 4 receptionists, so guests may feel uncomfortable due to how close they may be to other guests

Waiting area



Requirements:

- Should have at least seating for two
- The size of the area should be in direct proportion to the size of the hotel
- Should be spacious and well decorated
- Chairs for guests
- Table for magazines and to place their belongings



Waiting area



Accessibility:

Space may be high in traffic especially on weekends or holidays

Circulation:

Area is well circulated

People can walk without bumping into each other

There are two visible walkways and is separated by the table in the middle

Ergonomic:

Chairs are quite low, may be difficult for those who are in the higher percentile (taller)

Not a problem for those who are average in height

Height of table is well suited with the chairs

- Low chairs, low table

Proxemic:

Enough space to socially interact with people

Each pair of chairs are far from each other, so they can get personal space

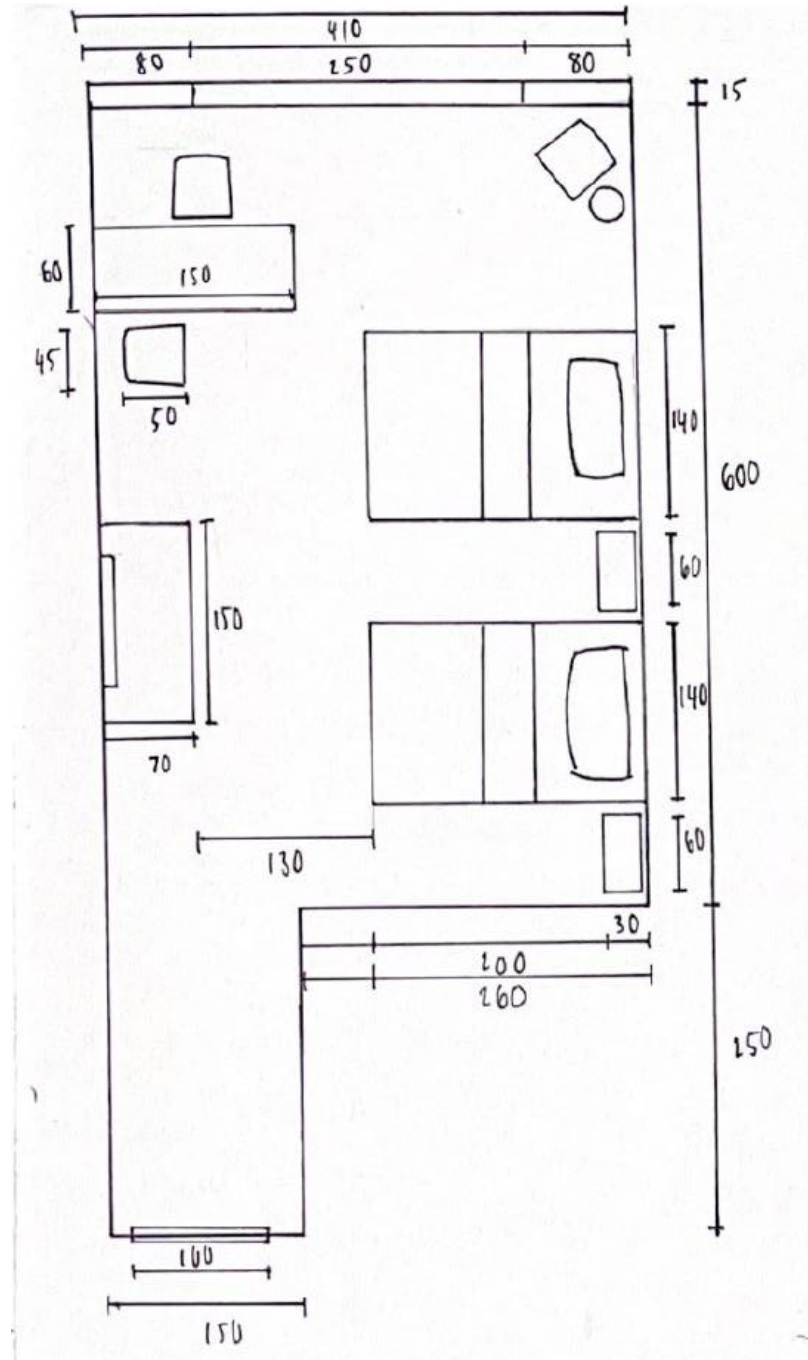
No single chairs for those who choose not to interact

Bedroom



Requirements:

- One night table
- One table
- Wardrobe with hangers
- Encourage to provide a special waste basket with different colours or different labels
- Bedroom furnishings should have excellent quality
- Luggage rack
- Good lighting beside writing table, and bedside
- Each room should be numbered or marked for the disabled



Bedroom



Accessibility:

Low in traffic as it is a personal area

Circulation:

Area between the bed and tv bench is quite spacious enough for two

Space in between the bed is fine

May be tight between the bed and desk

Ergonomic:

Furniture are all ergonomically friendly

Height of table is perfect for chairs and height of bed matched the bedside table

Proxemic:

Guests are able to have their own personal space with their own beds and bedside

But can never be private

They can be on either ends of the room instead

Thank you