PROJECT BLACK FOX

EXTERNAL FEATURES

Structure details:

-50 floors (30 residential floors) -12 housing units per floor

-Average 1.6 people per unit -575 people per building

Elevator

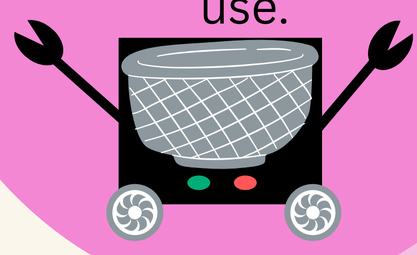
- Center of the building holds the elevator
- Comparable to indoor skydiving or teleportation
- Super quick and efficient
- Air is pushed to slow fall at destination, a magnetic pull slides the standing platform to the level



CRAB

Controlled Robotic Agriculture Buddy

Each user gets their own personal crab that harvest food for them in the garden levels and brings it back to their home. It is tempeture regulated and easy to use.



Indoor Farming

- Garden every other living floor
- Completely self regulated
  - Temp
  - Watering
  - Harvest
  - Planting
- Quick Organic Growth
- Crops can be switched easily
- Helps building recycle air into clean air

Immersive Entertainment

Travel from the comforts of home with fully immersive with holographic VR and other entertainment features

SUSTAINABLE FEATURES

GEOTHERMAL HEATING

DIRECT CARBON CAPTURE

GEOTHERMAL ELECTRICIY

PROJECT BLACK FOX

INTERNAL FEATURES



Smart Faucets (Common feature of Restroom & Kitchen)

- Water Temperature Control: perfect temp of 37 to 40 degrees celsius
- Water-Consumption Data Collection: real time data

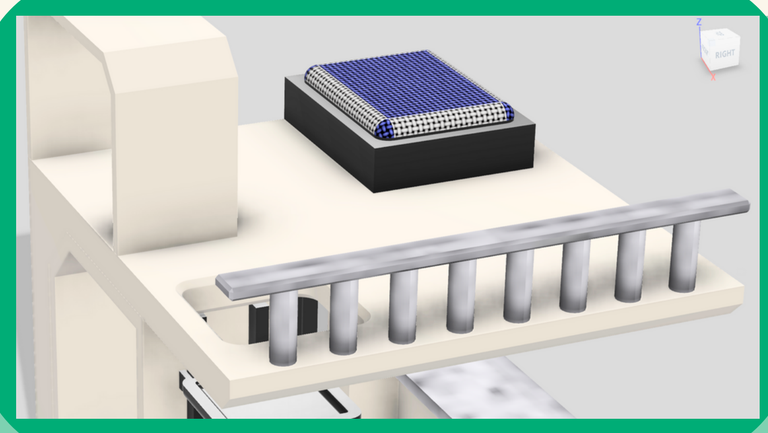
Ventilation Sensors (Common feature of Restroom & Kitchenette)

Elevator to Loft

Safe, Fun, Quick

Can function as a table when not in use.





Bedroom

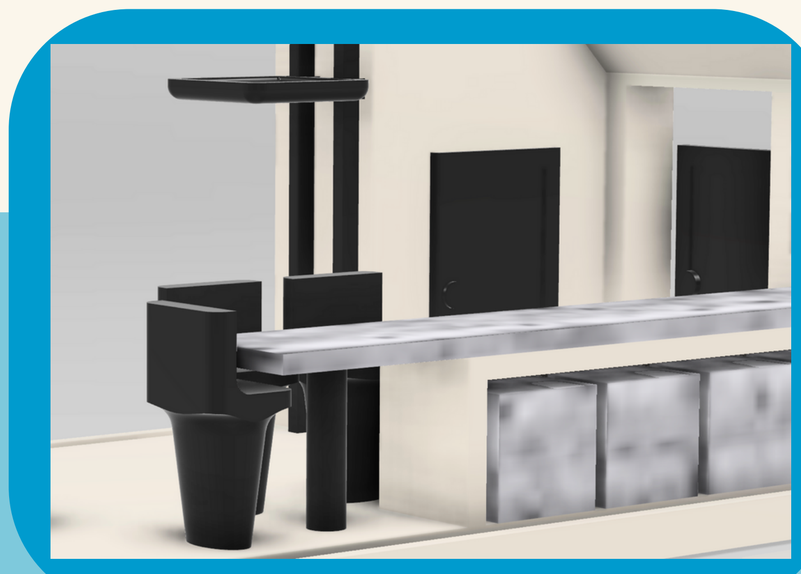
Preheated bedding sheets/ mattress: smart temp adjustment by temp of house
Automatic robotic vacuum cleaners: small smart circular robots will clean, mop, and dry floor
Smart Mattress sensors: Once mattress senses movement of person getting out of bed, everything in house starts to move as well. Ex: blind automatically open, coffee starts setting, bread goes in toaster, etc.
Smart windows: Window space can transform to other features: TV, work, data.





Bathroom

Heated seats: preheat settings to allow for a comfortable user experience
Smart Toilet Cover: An automatic seals prevents any airborne particulates/bacteria from spreading
Bidet: option of a water bidet to clean off themselves and air-blower dry to reduce toilet paper consumption.
Automatic Cleaning & Disinfection: cleaned by a silicon brush ring and UV while covered
Using Grey Water for Flushing: reduces the amount of clean water wasted.
Human Waste Analyzer: Instantly analyze the urine and stool of the user, providing them a report when needed.
Smart Flush Feature: determines the minimal amount of water needed to flush it
Space Saving: When toilet not in use, it slides back into the wall to convert space to shower space.
Smart Mirror: The mirror would display generic information and any notifications one has received during the night would be displayed in the morning. Other information could be displayed as well as entertainment
Surround sound: for everyone's bathroom dance parties



Kitchen

Smart Appliances

- Smart Dishwashing Machine
- Smart Refrigerator
- Smart Deep Freezer

3-in-1 Laundry-Drying-Folding Machine: Now switching, no folding, the machine does it all for you!
Smart Stove Top and Oven: can be operated remotely. and provide suggestions for the user depending on ingredients available and time constraints.
Smart Countertops: include wireless charging points to charge one’s devices with convenience. The entire countertop surface will contain displays allowing users to go through recipes and more. Seamless weighing scales will also be part of the countertop and measuring cups and spoons.
Smart Bins: Sorts the trash for you, compost goes straight to gardens