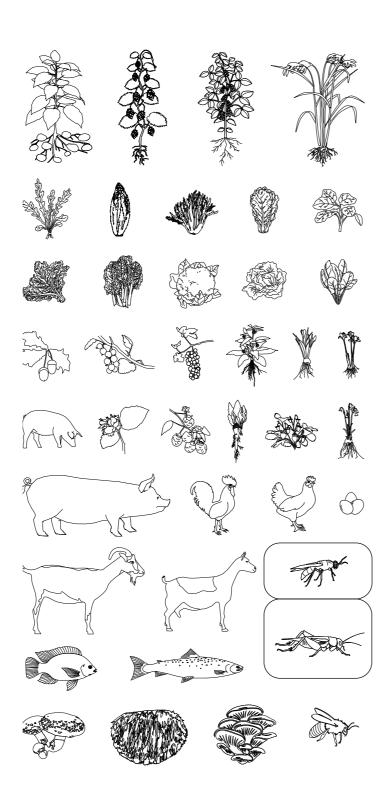
## PREPUPAL

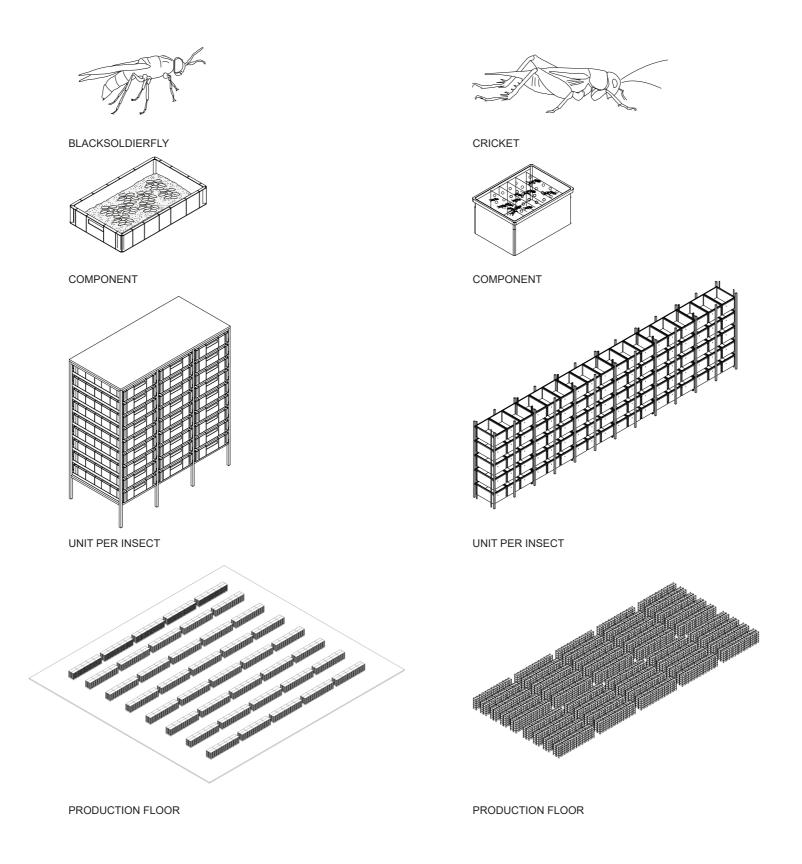
## **GARRY LEISBERG**



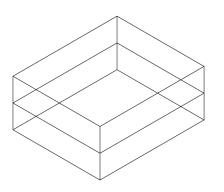
The increasing demand for protein puts pressure on agricultural land. Land scarcity and increasing population growth puts even more pressure on the agricultural land. To meet our future food demand, alternative food sources should be taking into consideration. The Entomophagy (the eating of insects) can be a solution to meet our future food demand. While eating insects is part of the menu in most Asian countries. It is still a taboo in the western world.

Prepupal is an insect farm that focuses on farming edible insects for human consumption. The agriculture consist of cultivating two types of insects ( the black soldier fly and the cricket). These insects are ground into mincemeat. Then they are made into hamburger patty's. The insect farm is capable of producing 8,7 million patty's a year ( 24.000 a day) . Beside the patty's the insects also produce frass which can be used as compost.

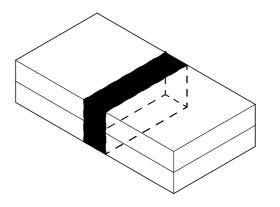
The architecture of the insect farm is an oval shaped egg building with an outergalery and boxes in the center combined with a central core. The outer ring provides a radiance to the environment and gives spaciousness, while the inner part is compact.



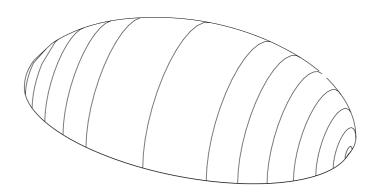
STACKING

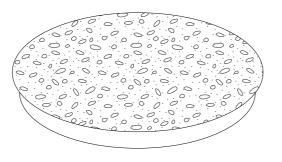


CENTRAL CORE

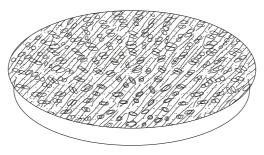


IDENTITY

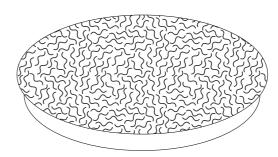


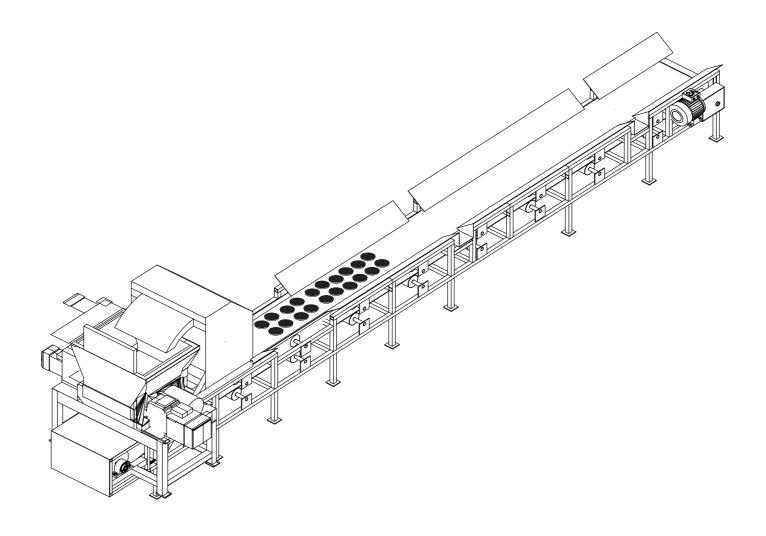


THE SOLDIER PATTY INGREDIENTS: 95% BLACK SOLDERFLY PROTEIN

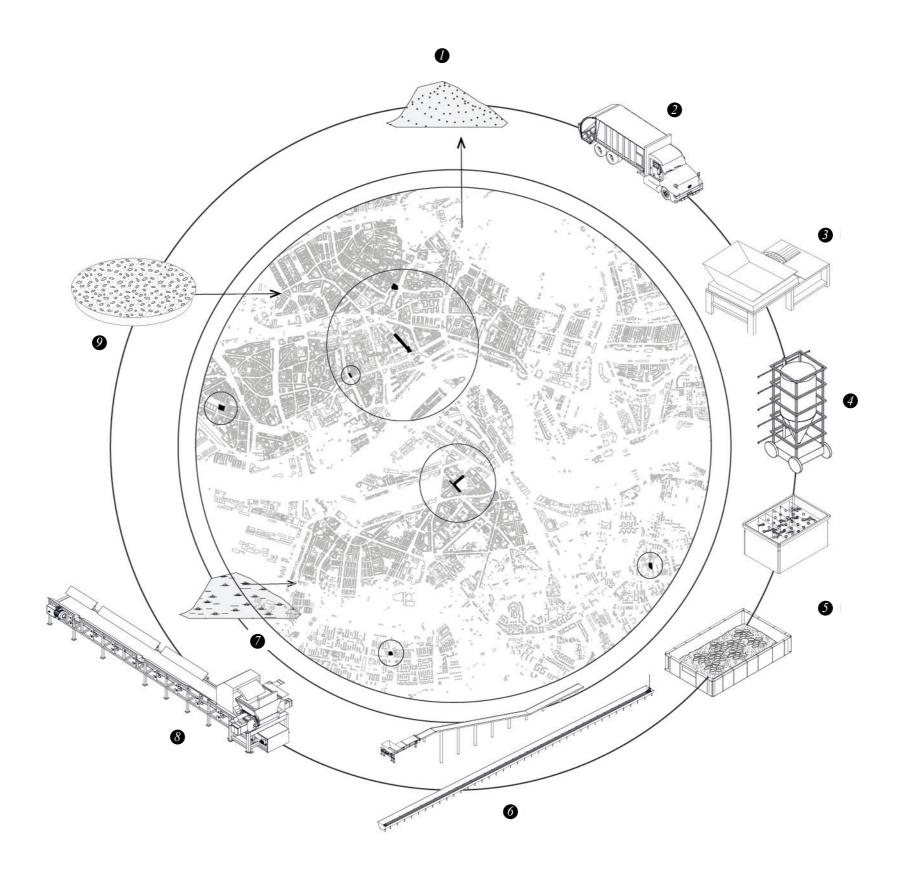


MIXED FLAVOUR PATTY
INGREDIENTS: 49% BLACK SOLDERFLY PROTEIN
49% CRICKET PROTEIN



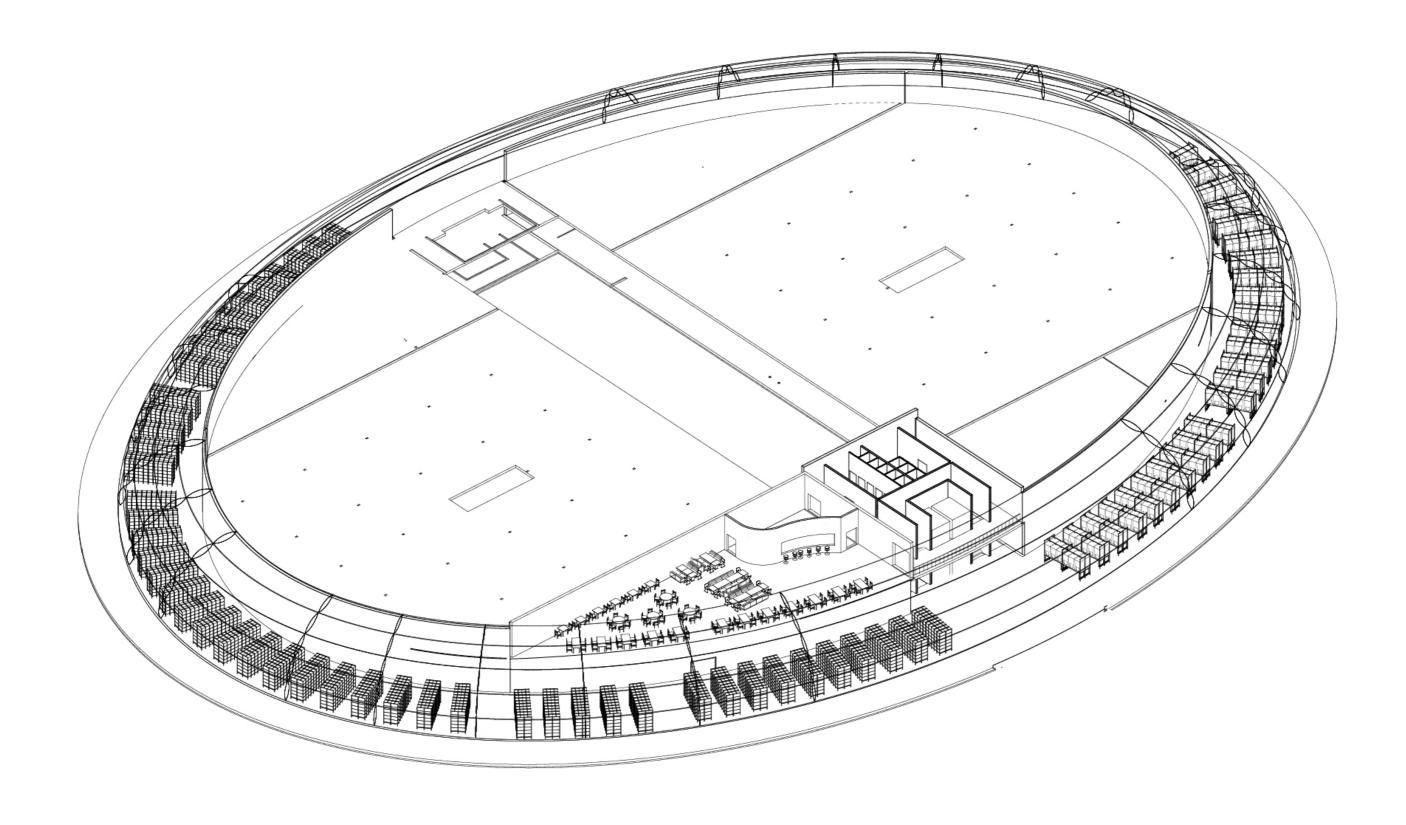


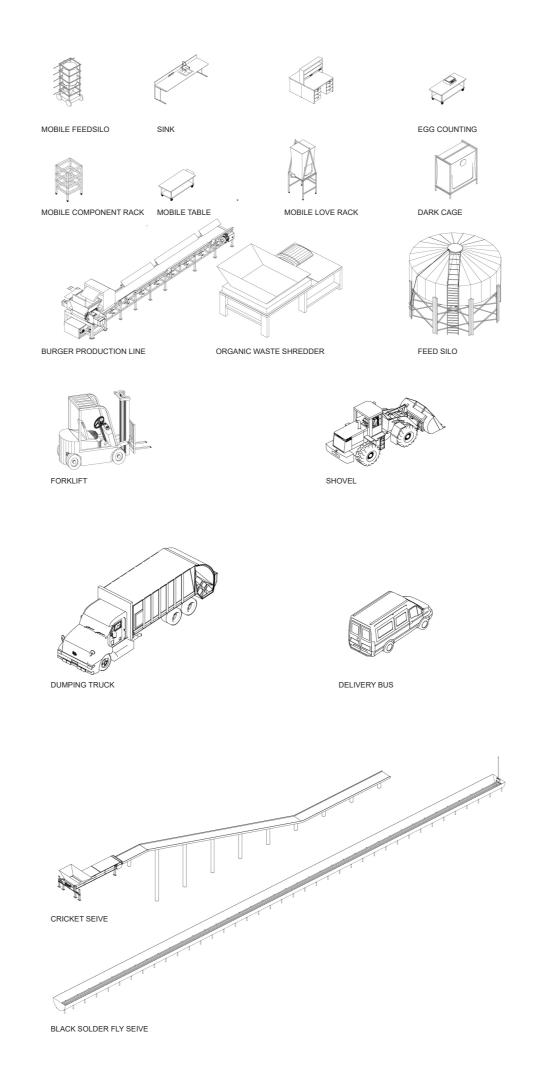
**BURGER MACHINE** 

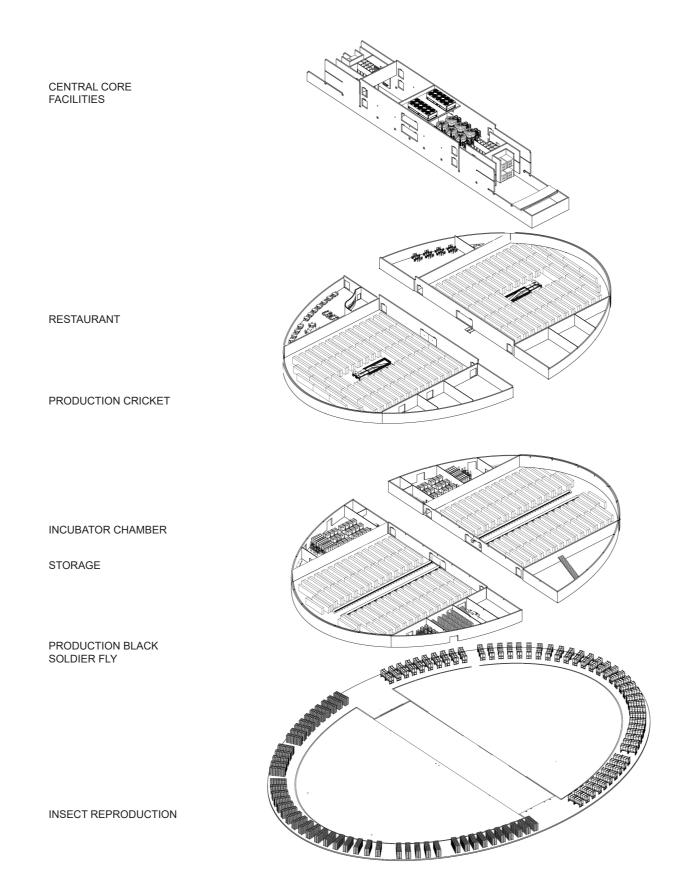


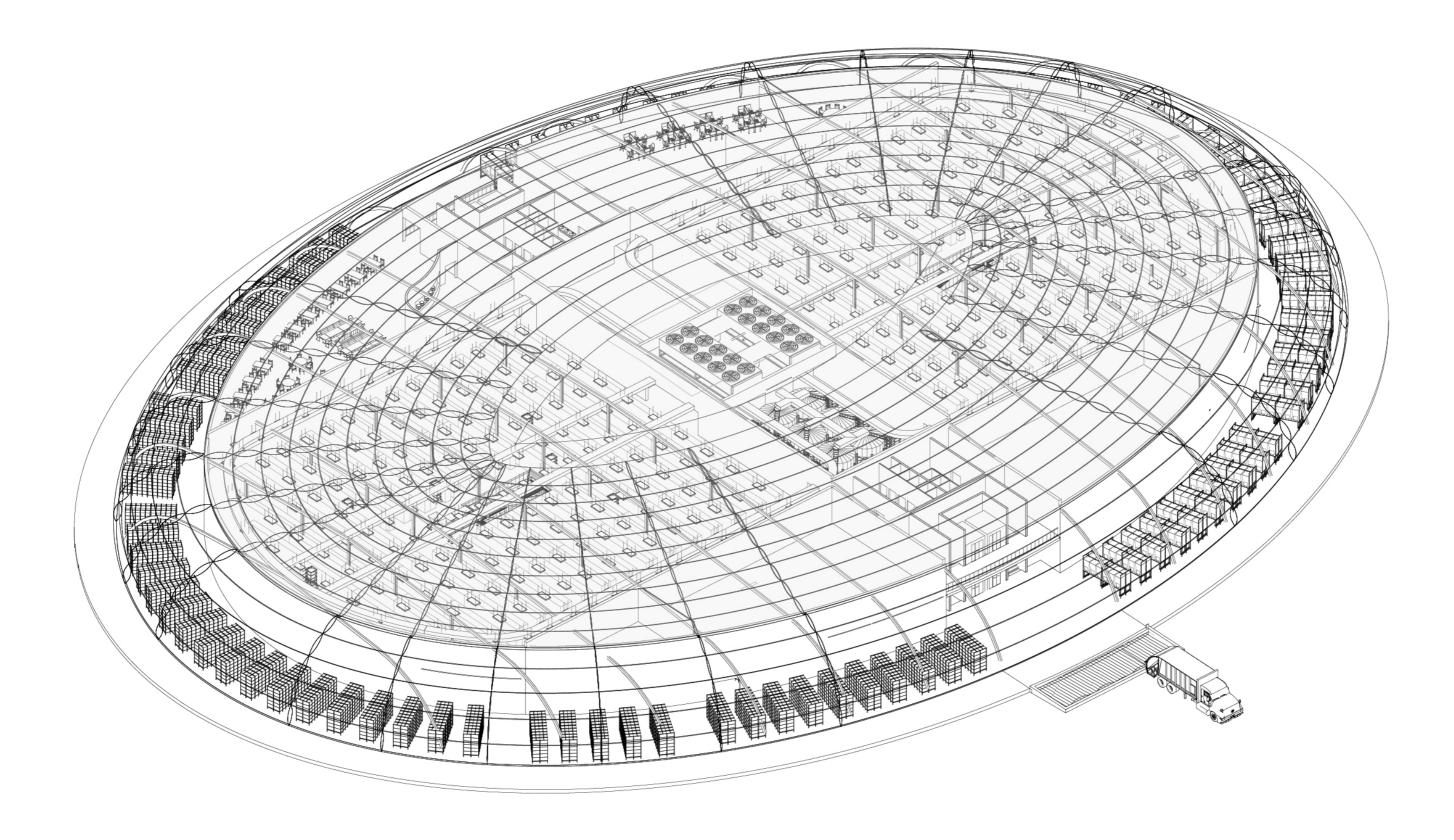
- ORGANIC WASTE
- 2 TRANSPORTING TO FARM
- 3 SHREDDING THE WASTE
- 4 FEEDING TO INSECTS
- 5 FEEDING TO INSECTS
- 6 SEIVING

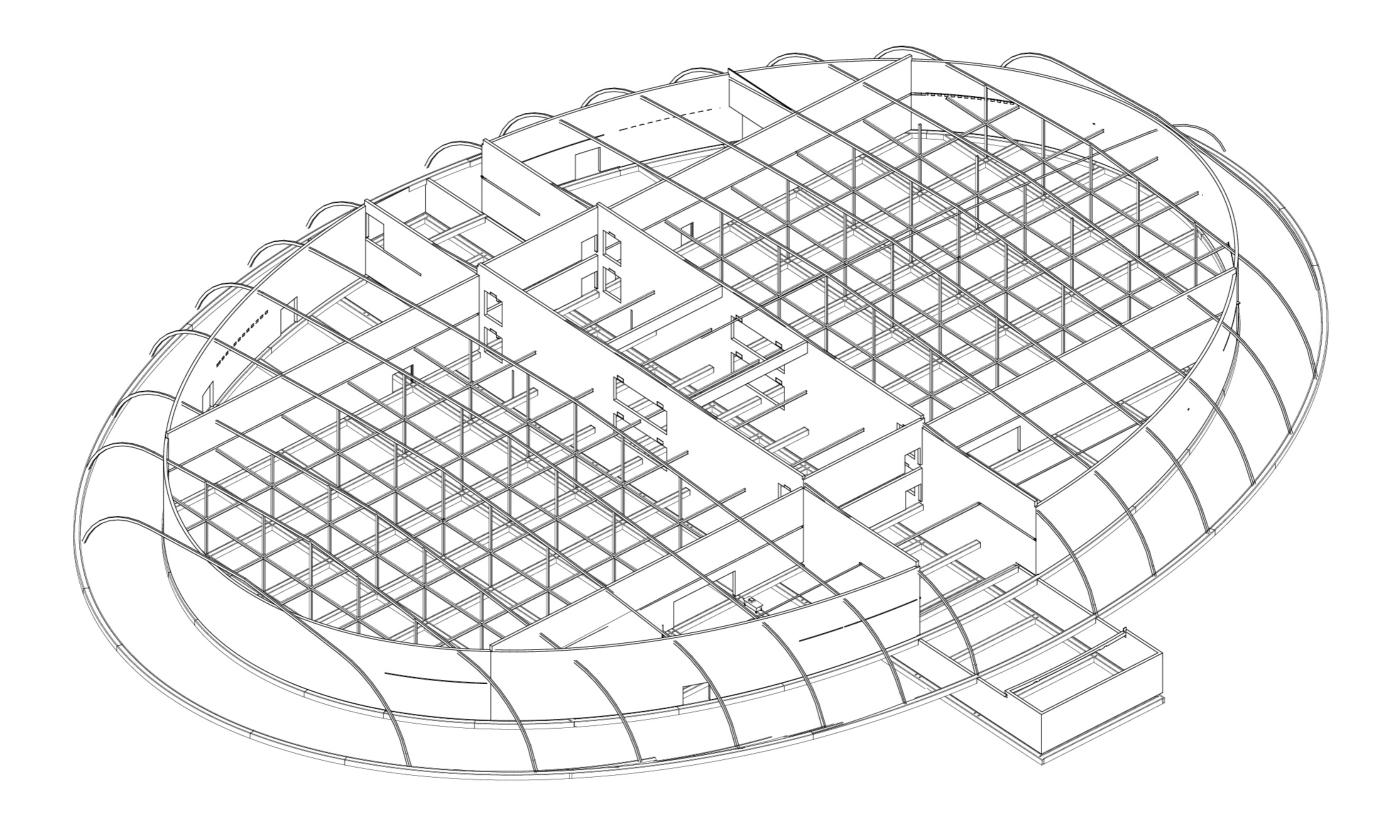
- 7 FRASS AS COMPOST TO MARKETS
- MAKING INSECTS BURGER PATTY'S
- PATTY'S TO THE MARKETS EN SHOPS

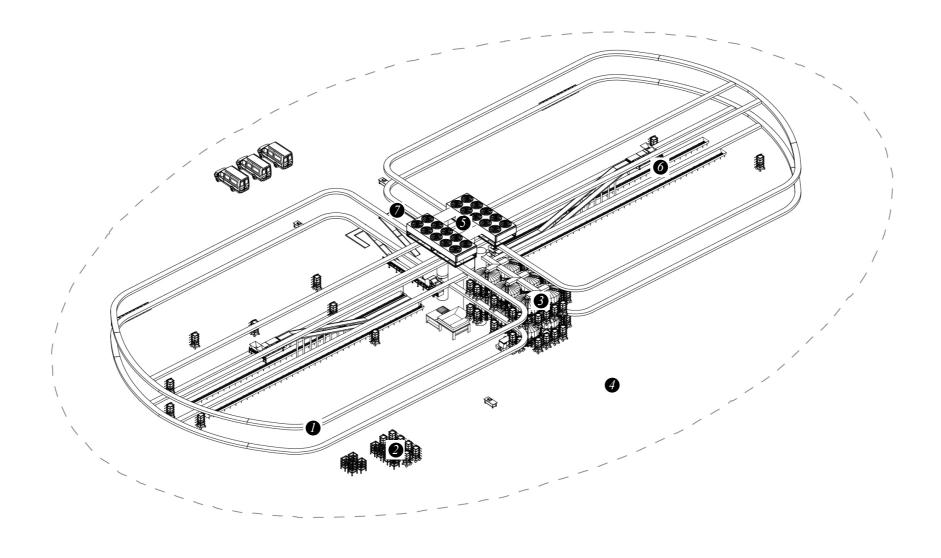




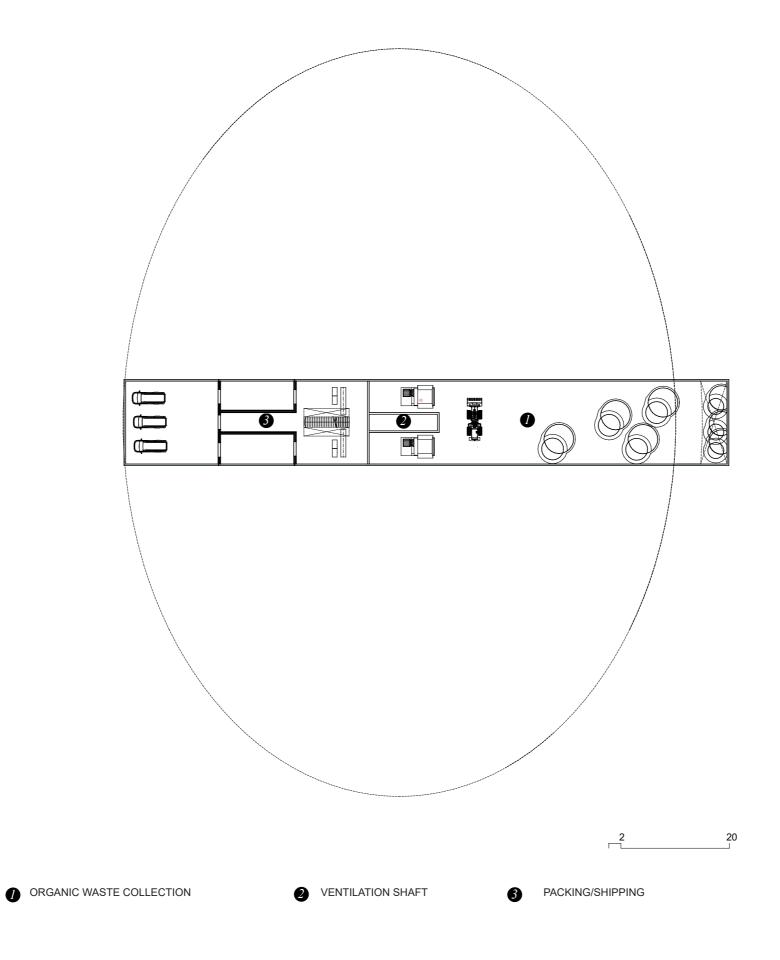


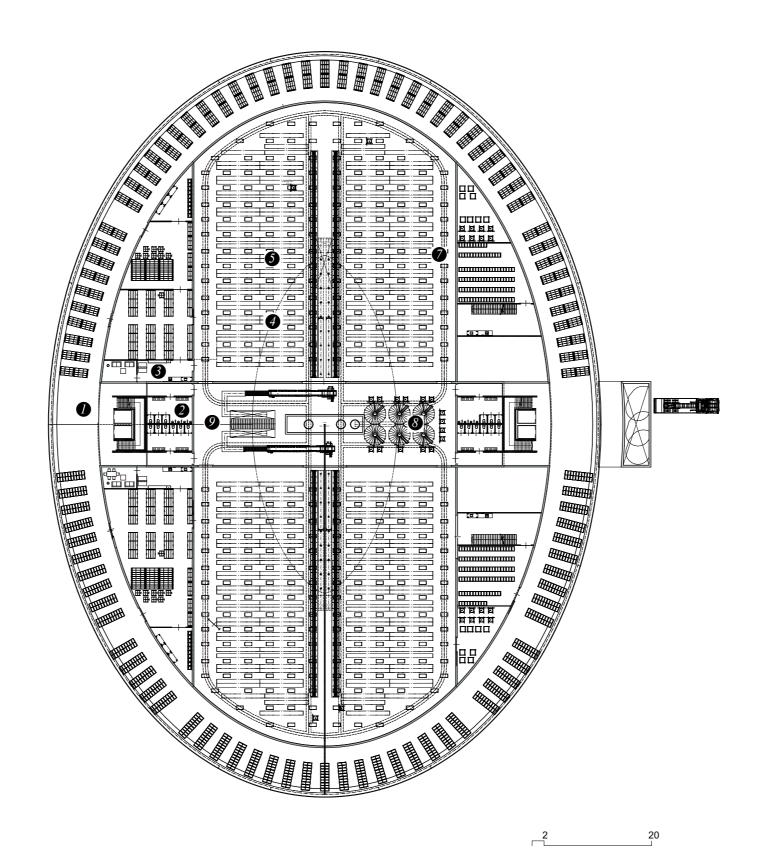






- VENTILATION
- 2 MOBILE FEEDING SILO
- 3 FEED SILO
- 4 ORGANIC WASTE
- **5** VENTILATION UNIT
- 6 SEIVING
- 7 PRODUCTION LINE

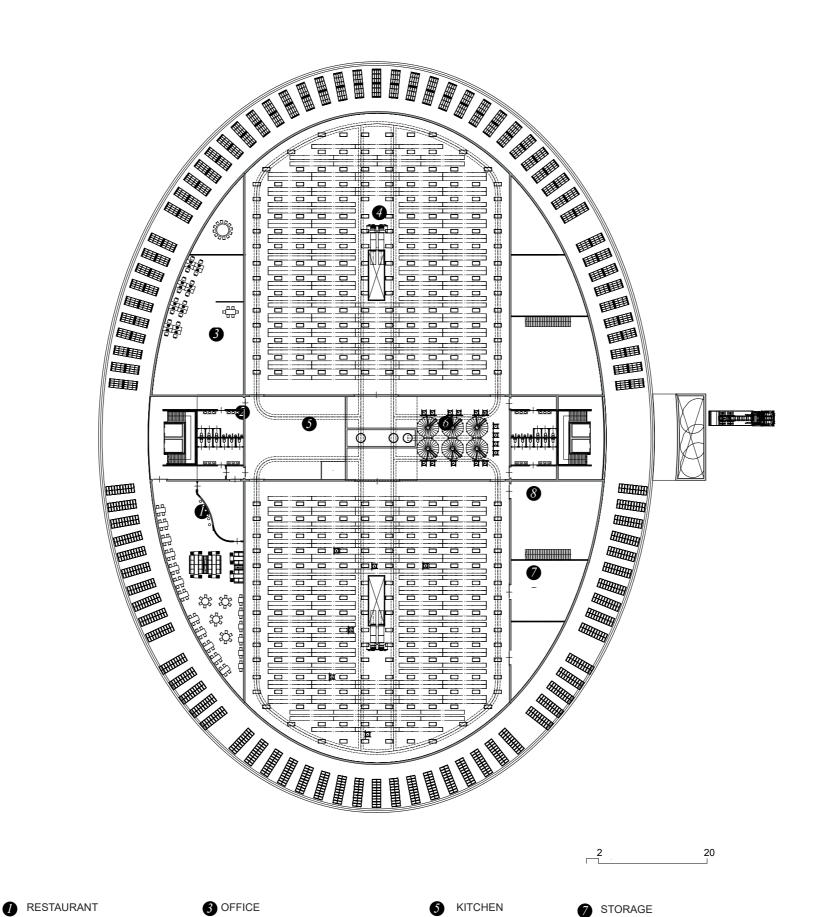




- INSECT REPRODUCTION
- 2 TOILETS
- 3 LAE

- 4 INCUBATOR CHAMBER
- 5 STORAGE
- 6 LAUNDRY ROOM

- 7 PRODUCTION FLOOR BSF
- 8 FEED SILO
- PRODUCTION LINE



6 FEED SILO

PREPARATION ROOM

4 PRODUCTION FLOOR CRICKET

2 TOILETS

