

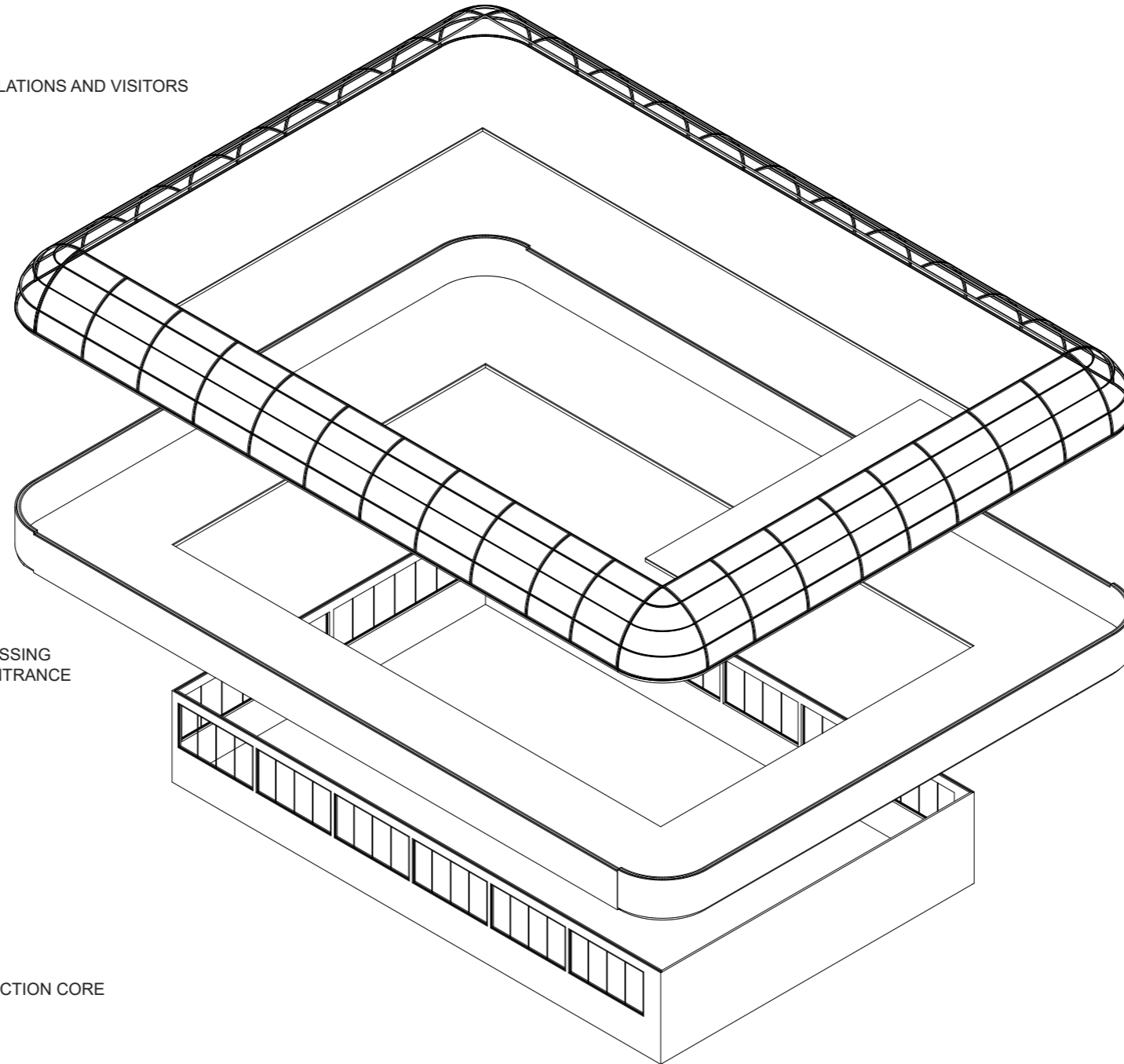
ALL-USE AQUACULTURE

KASPUR VAN DER LEM

INSTALLATIONS AND VISITORS

PROCESSING
AND ENTRANCE

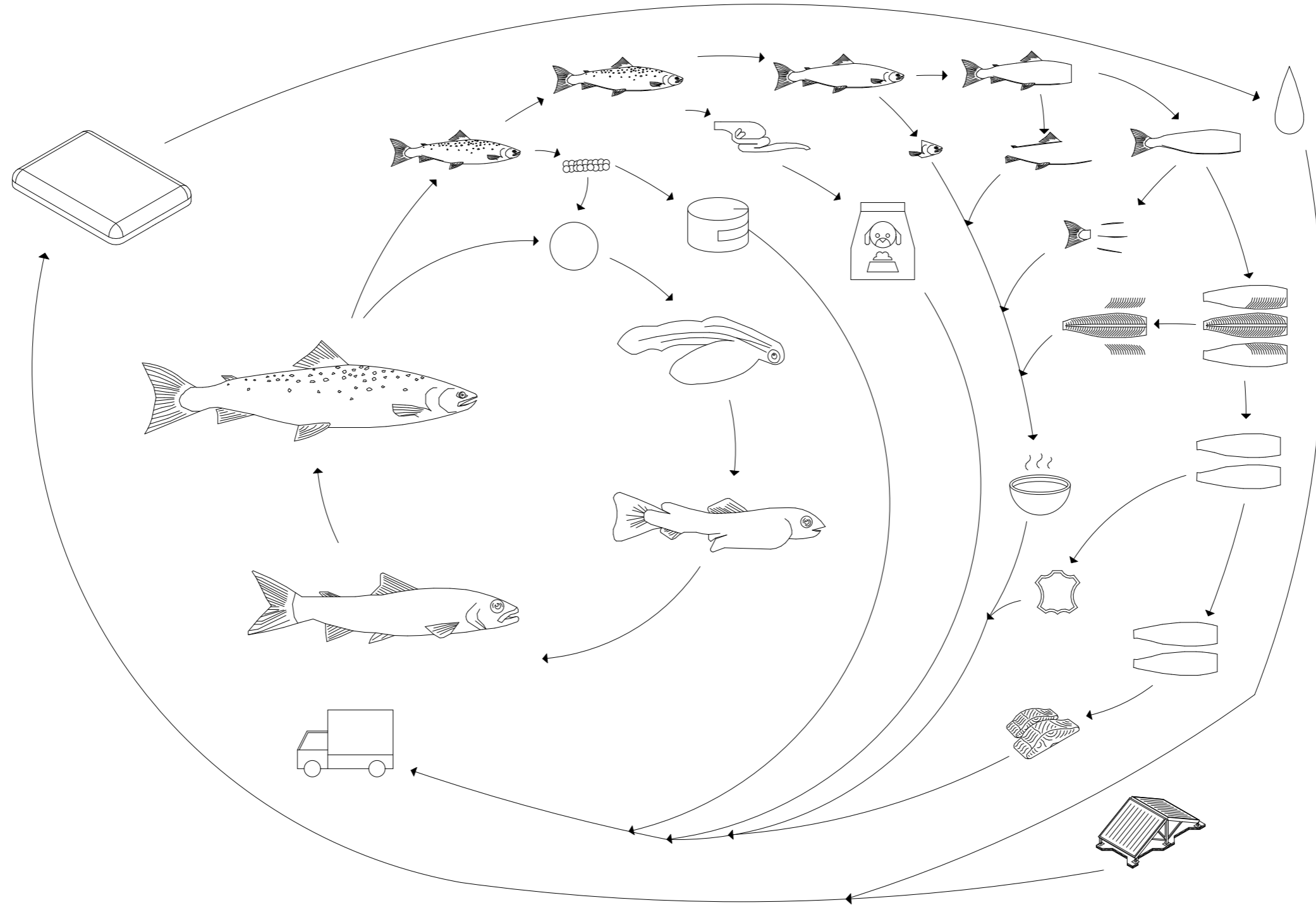
PRODUCTION CORE



CONCEPT

ALL-USE AQUACULTURE

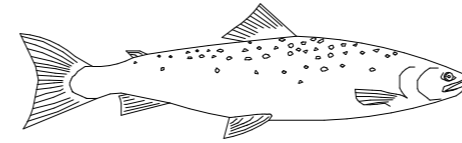
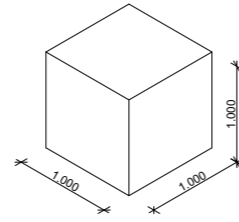
KASPUR VAN DER LEM



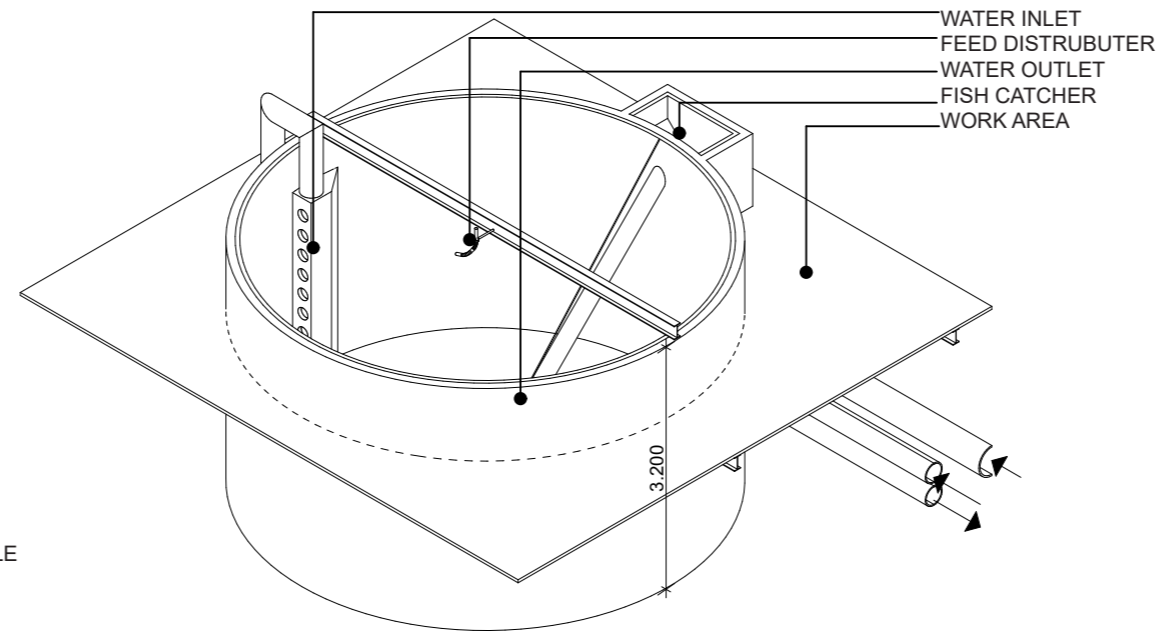
CIRCULARITY

ALL-USE AQUACULTURE

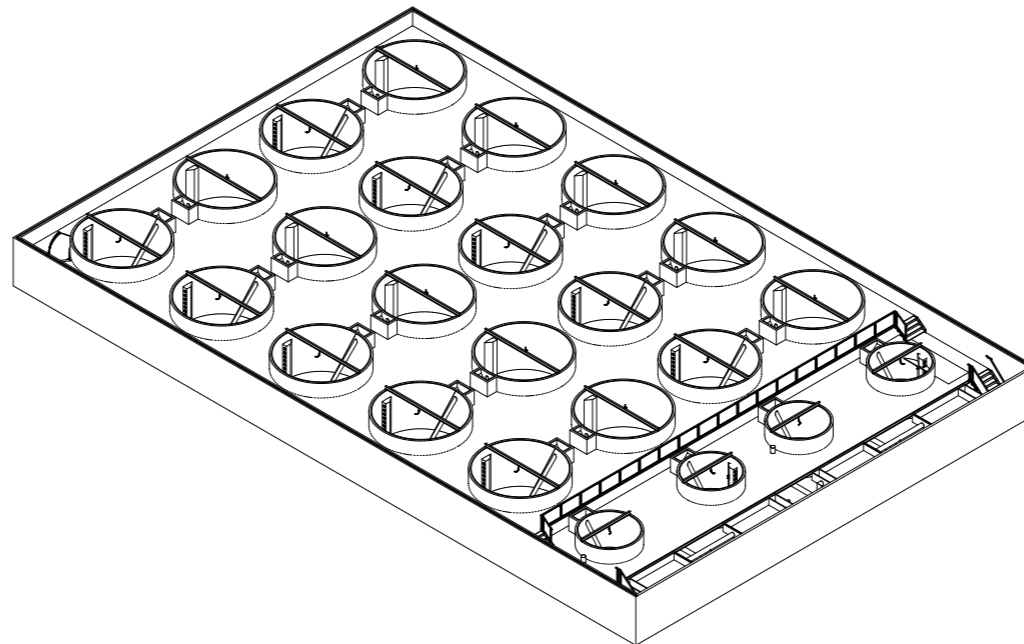
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ATLANTIC SALMON



AQUACULTURE MODULE

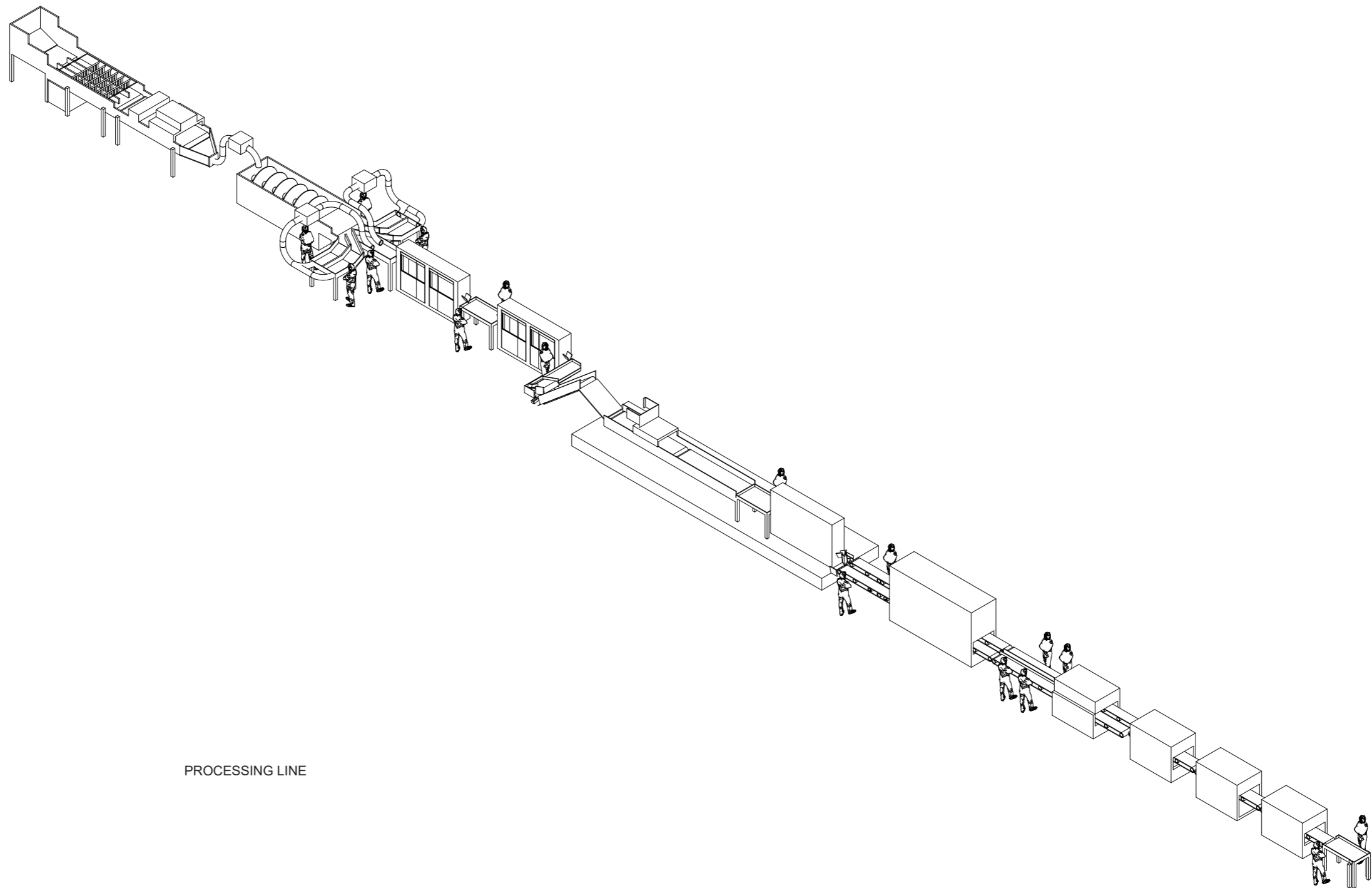


PRODUCTION FLOOR

PRODUCTION FLOOR

ALL-USE AQUACULTURE

KASPUR VAN DER LEM

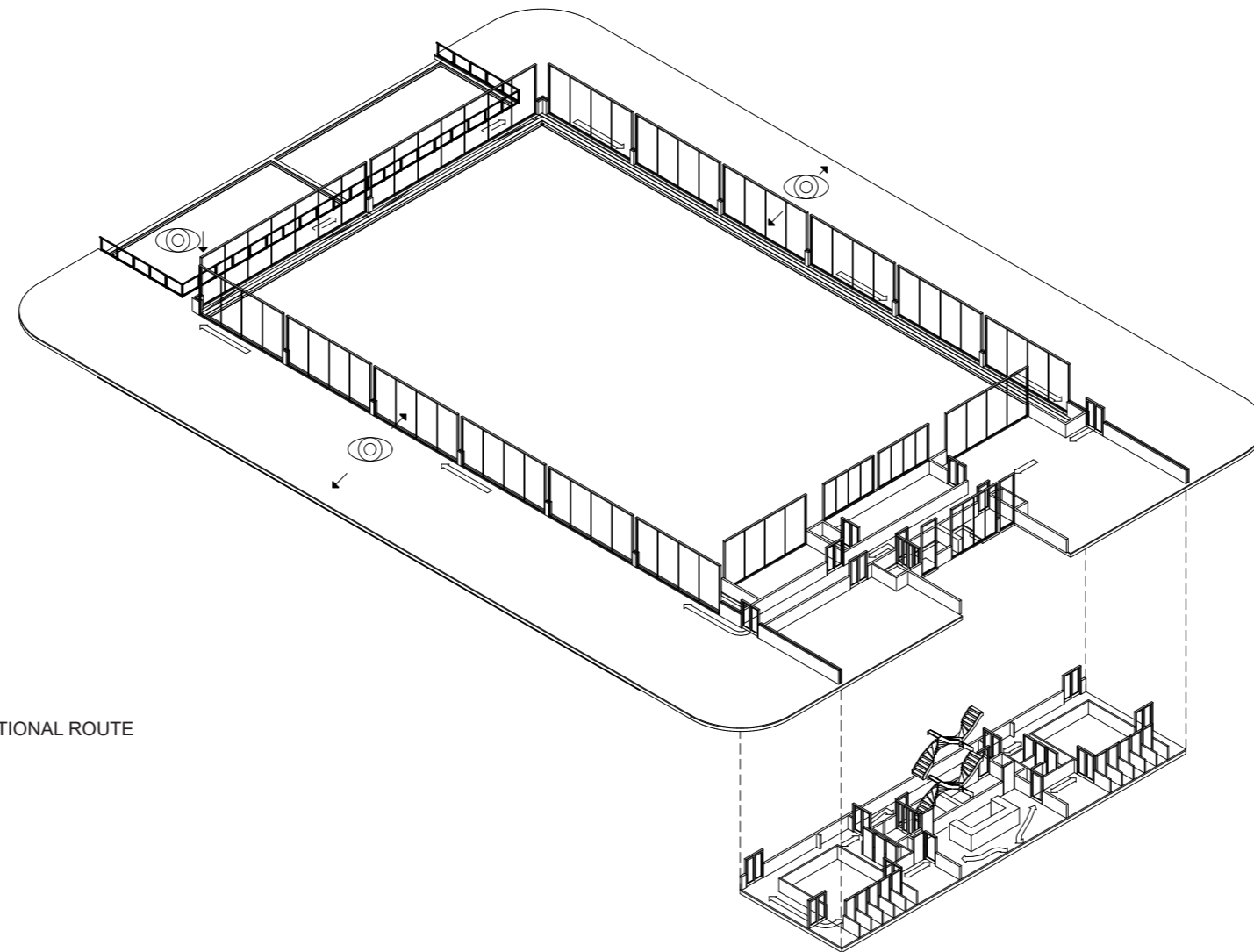


PROCESSING LINE

PRODUCT SYNERGY

ALL-USE AQUACULTURE

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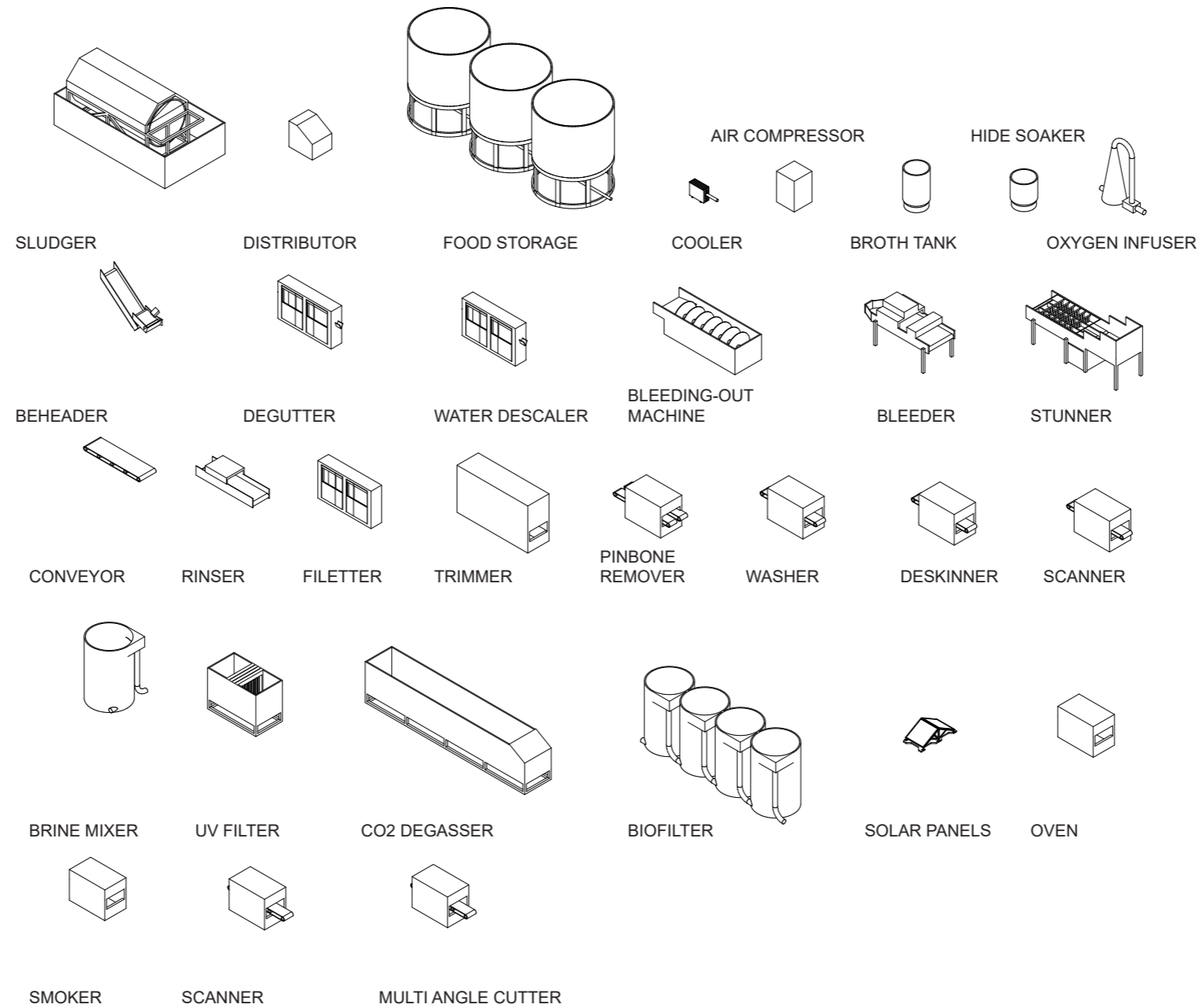


EDUCATIONAL ROUTE

AGRI-CULTURE

ALL-USE AQUACULTURE

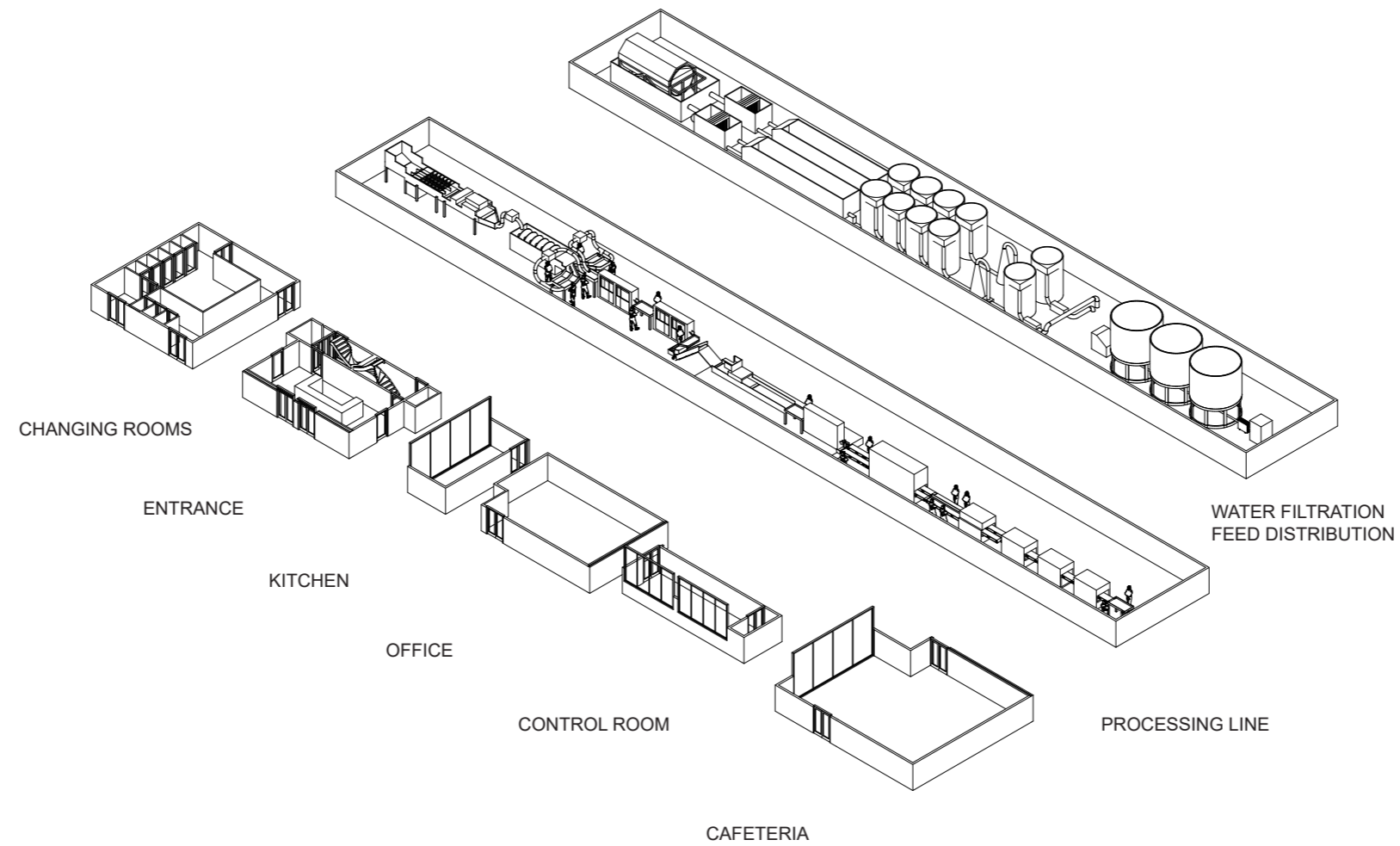
KASPUR VAN DER LEM



TECHNOLOGY

ALL-USE AQUACULTURE

KASPUR VAN DER LEM

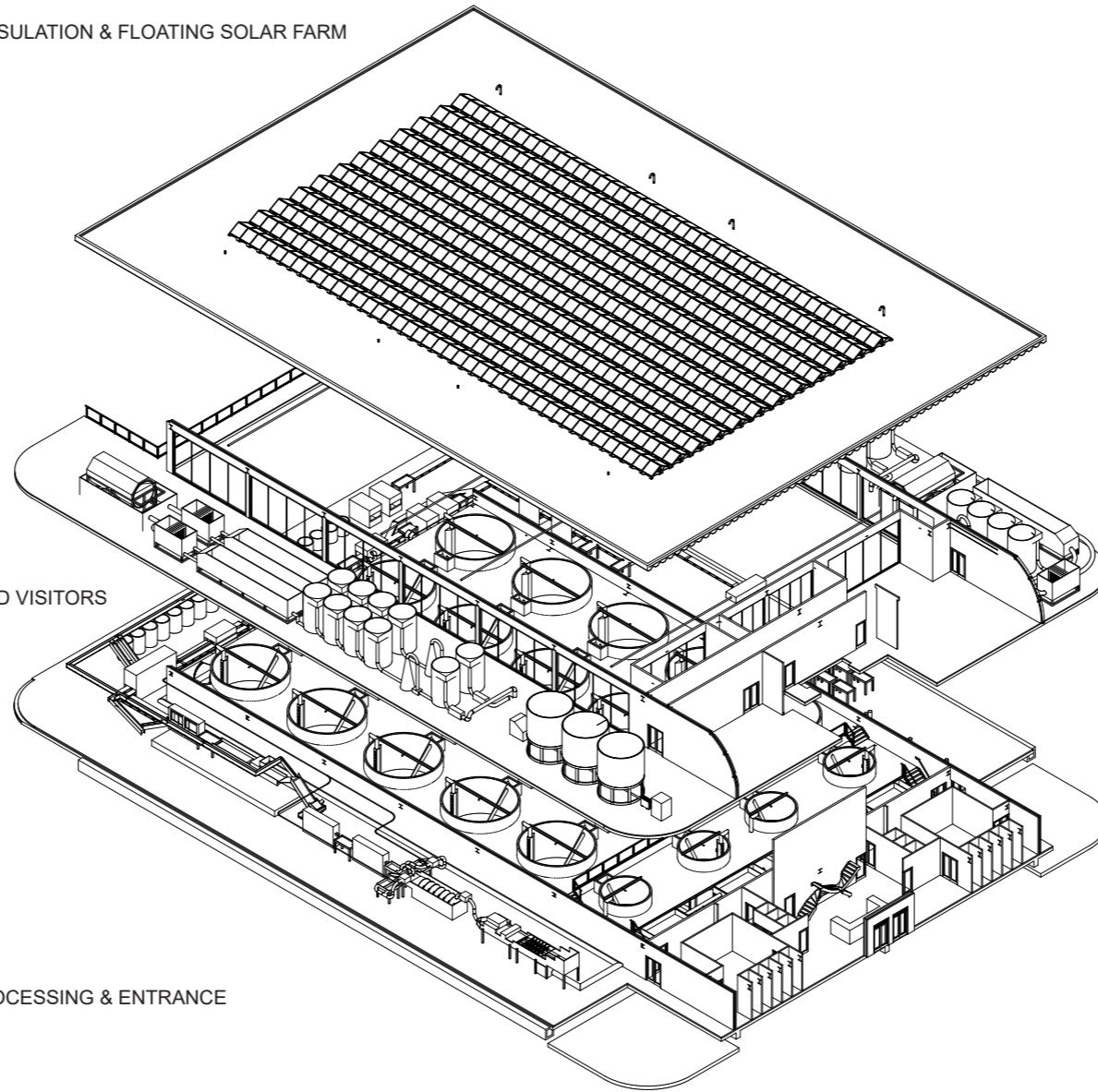


PROCESSING & PACKAGING

ALL-USE AQUACULTURE

KASPUR VAN DER LEM

PASSIVE WATER INSULATION & FLOATING SOLAR FARM



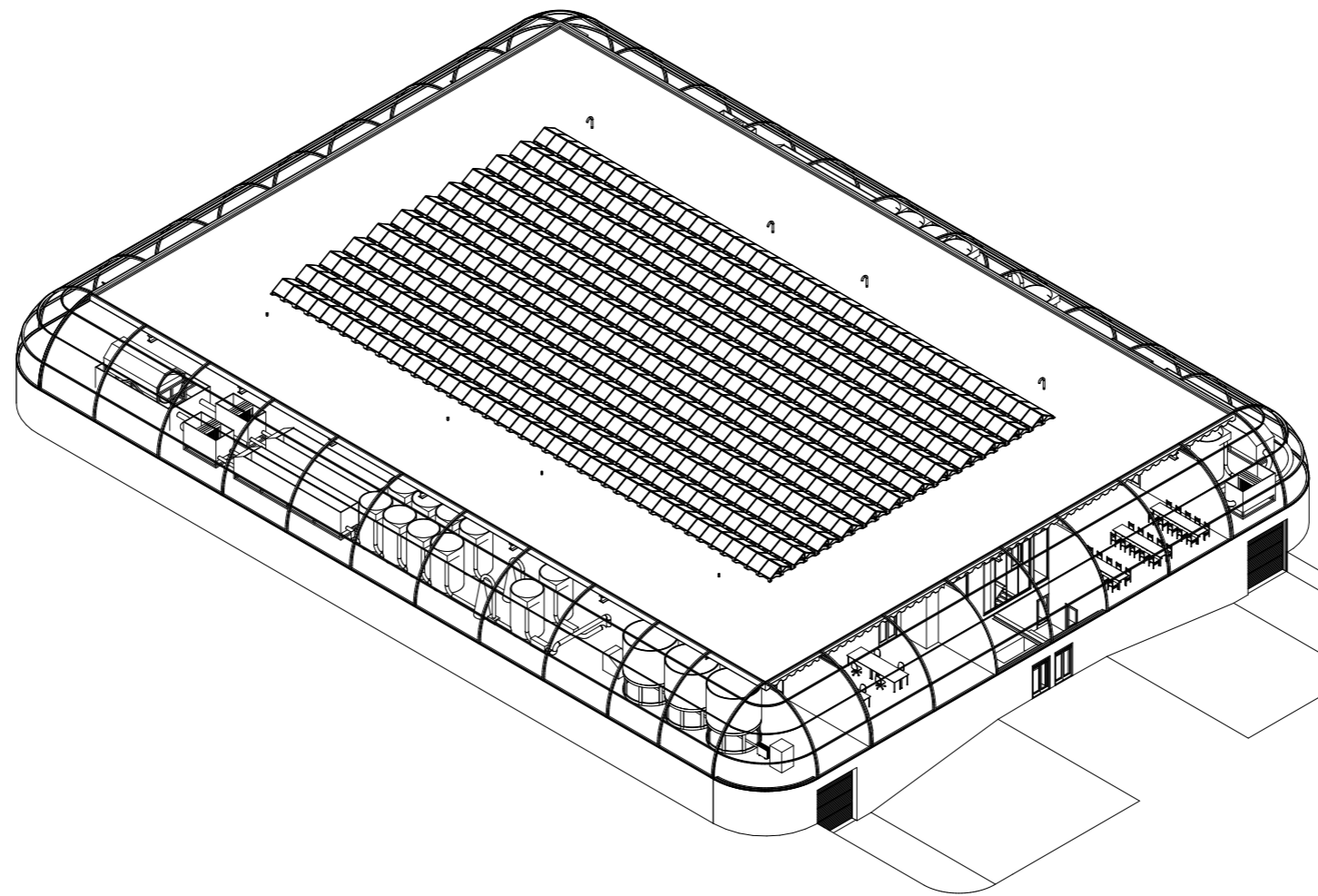
INSTALLATIONS AND VISITORS

PRODUCTION, PROCESSING & ENTRANCE

THE COMPACT MODEL

ALL-USE AQUACULTURE

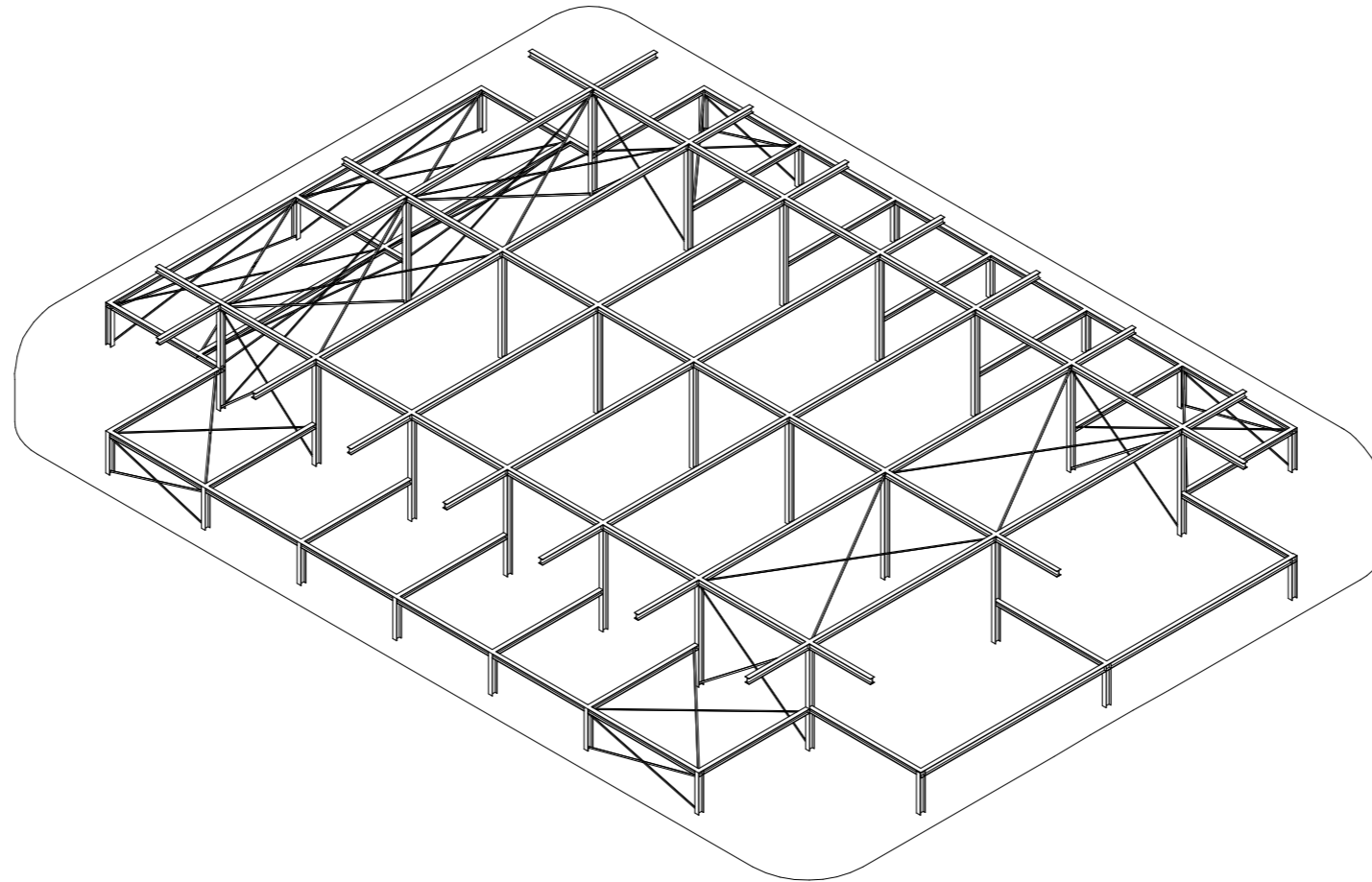
KASPUR VAN DER LEM



ARCHITECTURE

ALL-USE AQUACULTURE

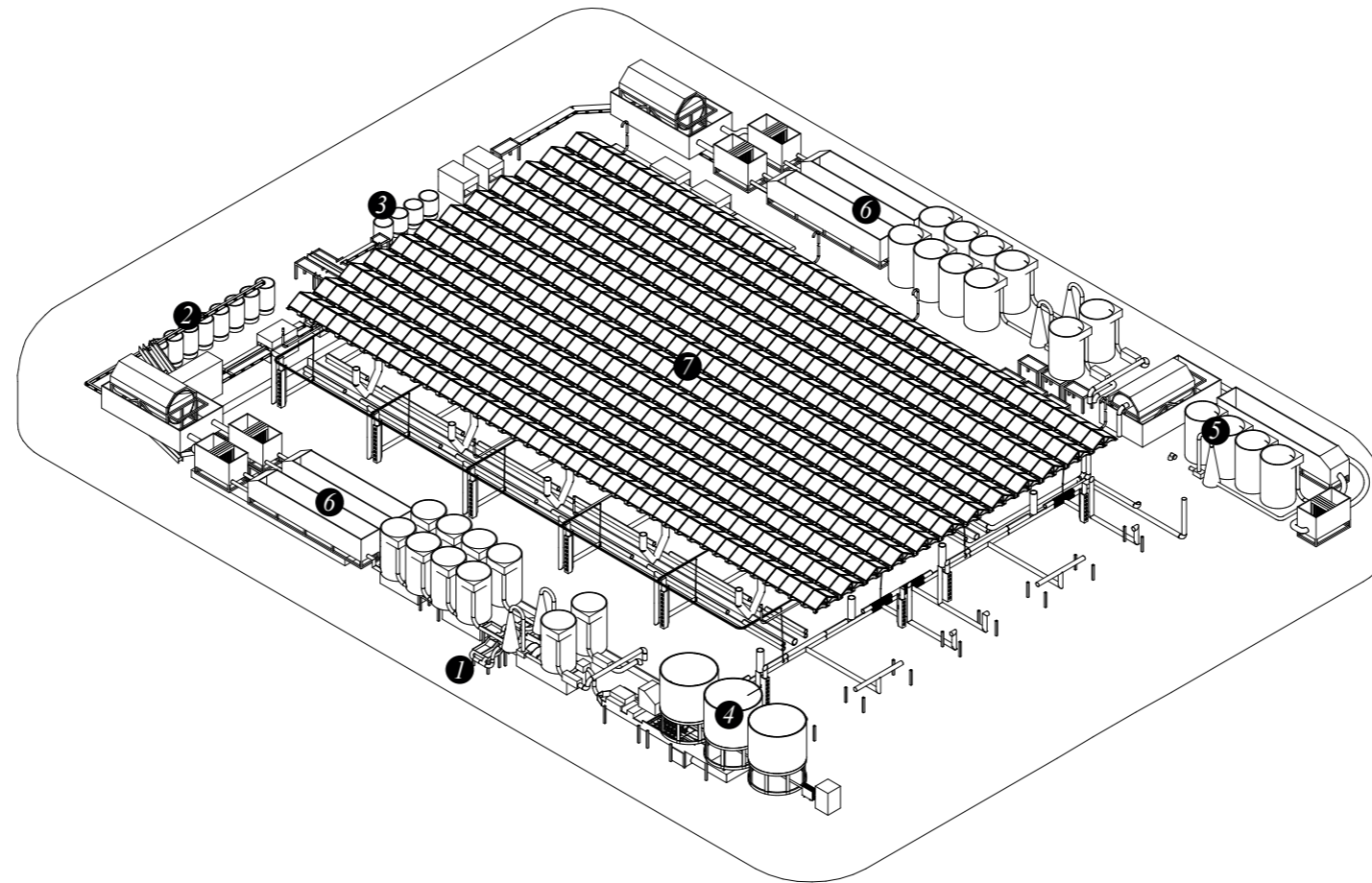
KASPUR VAN DER LEM



STRUCTURE

ALL-USE AQUACULTURE

KASPUR VAN DER LEM

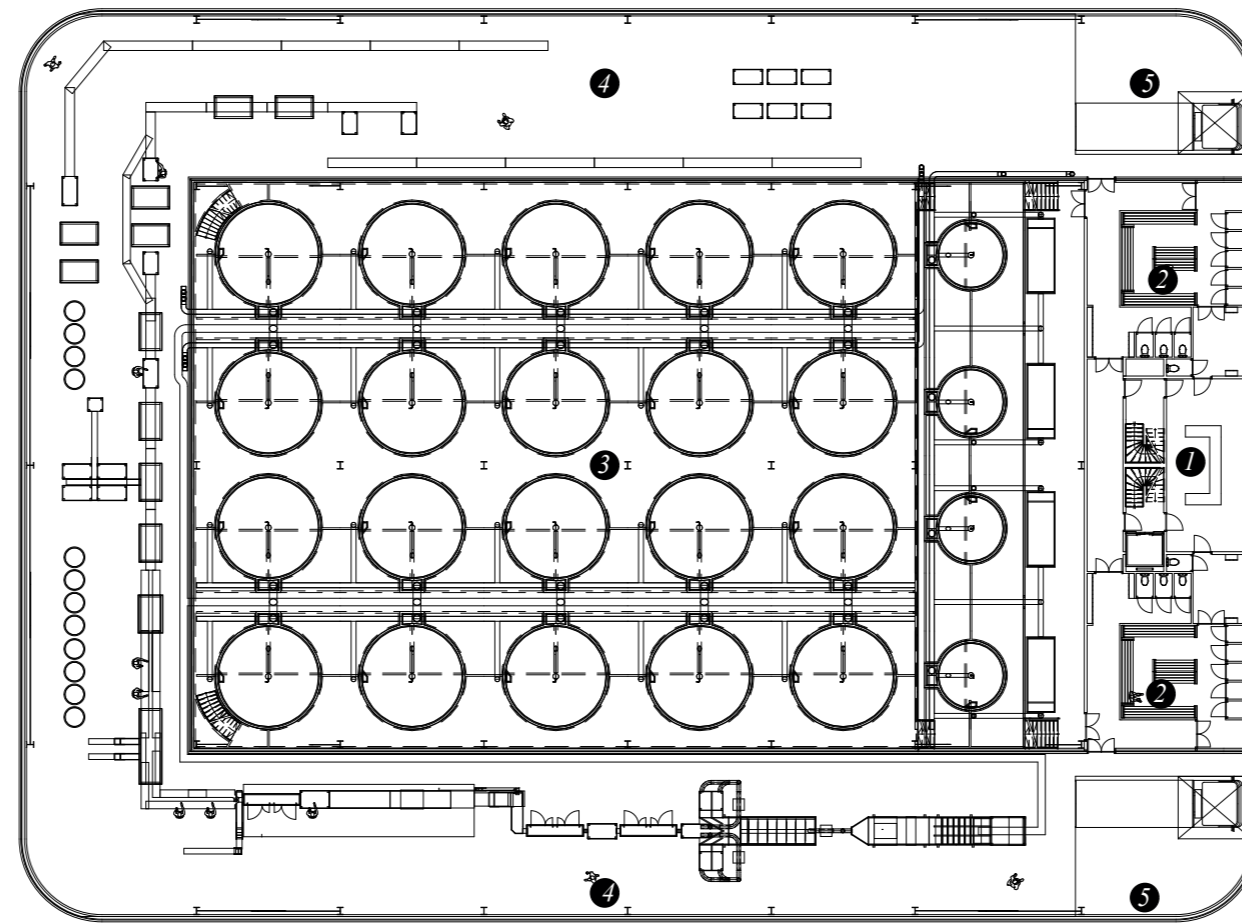


- ① EGG REMOVAL
- ② BROTH PROCESSING
- ③ LEATHER PROCESSING
- ④ FEED STORAGE
- ⑤ FRESH WATER FILTRATION
- ⑥ SALT WATER FILTRATION
- ⑦ FLOATING SOLAR FARM

INFRASTRUCTURE

ALL-USE AQUACULTURE

KASPUR VAN DER LEM

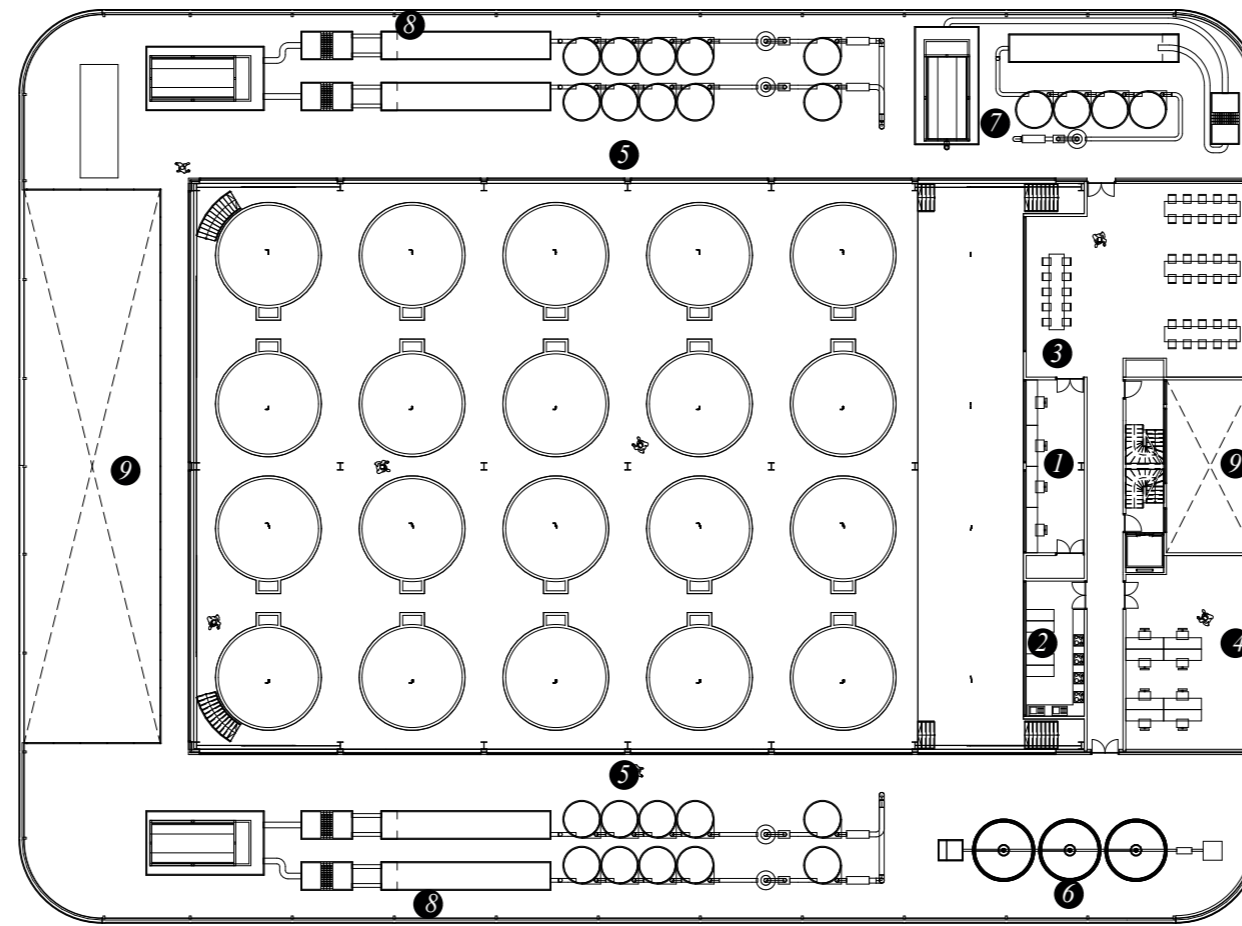


- 1 ENTRANCE
- 2 CHANGING ROOMS
- 3 PRODUCTION FLOOR
- 4 PROCESSING FLOOR
- 5 PACKAGING AND DELIVERY

FLOOR PLAN 00

ALL-USE AQUACULTURE

KASPUR VAN DER LEM

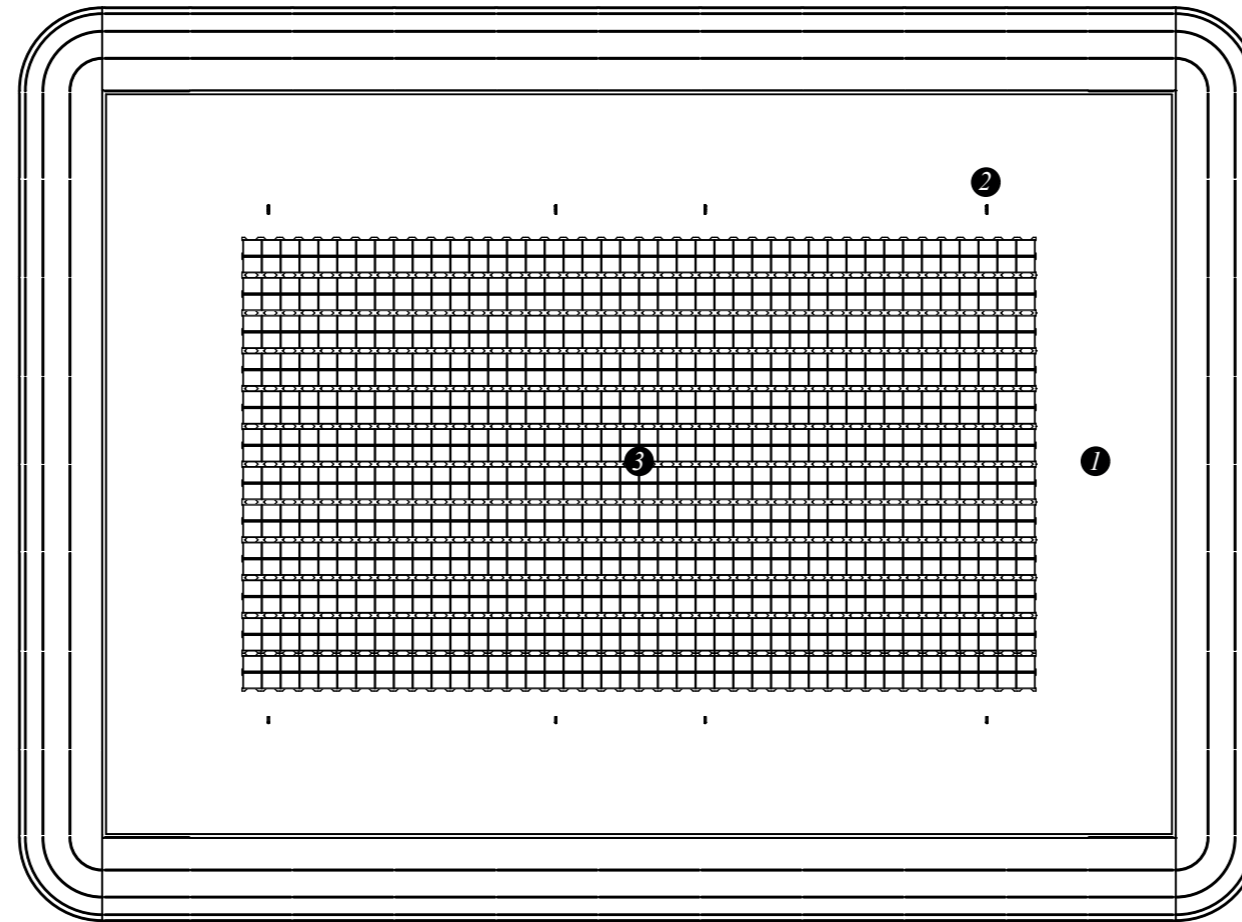


- | | | |
|----------------|---------------------|--------------------------|
| 1 CONTROL ROOM | 4 OFFICE | 7 WATER FILTRATION FRESH |
| 2 KITCHEN | 5 EDUCATIONAL ROUTE | 8 WATER FILTRATION SALT |
| 3 CAFATERIA | 6 FEED STORAGE | 9 VIOD |

FLOOR PLAN 01

ALL-USE AQUACULTURE

KASPUR VAN DER LEM

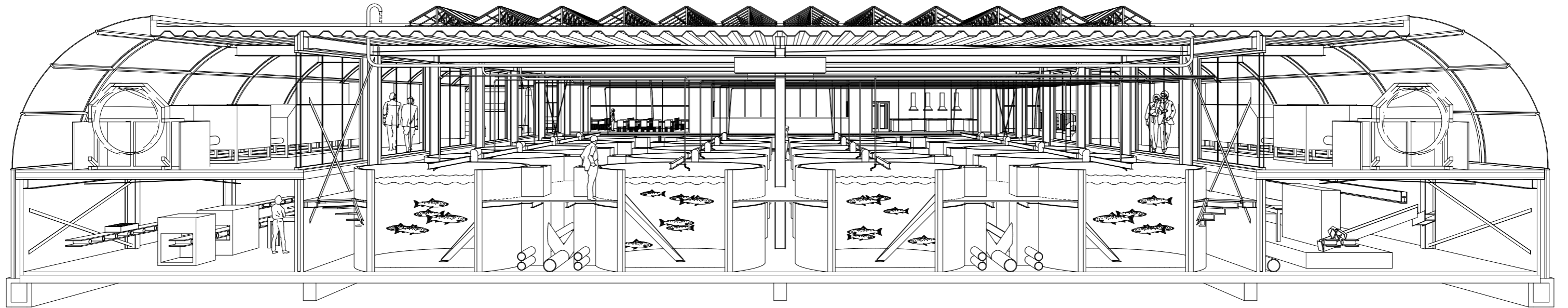


- ① PASSIVE COOLING ROOF
- ② WATER OUTLET - CIRCULATION
- ③ FLOATING SOLAR PARK

FLOOR PLAN 02

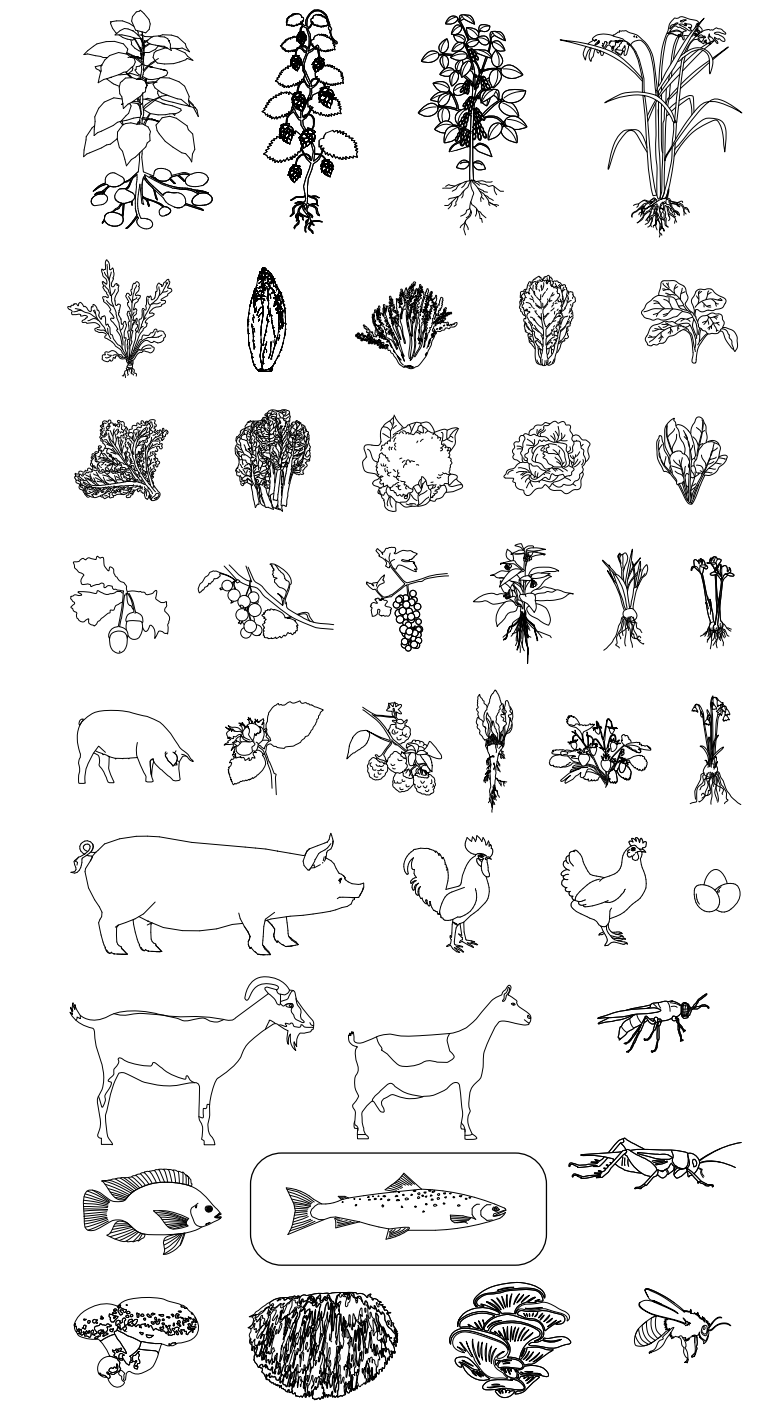
ALL-USE AQUACULTURE

KASPUR VAN DER LEM



ALL-USE AQUACULTURE

KASPUR VAN DER LEM

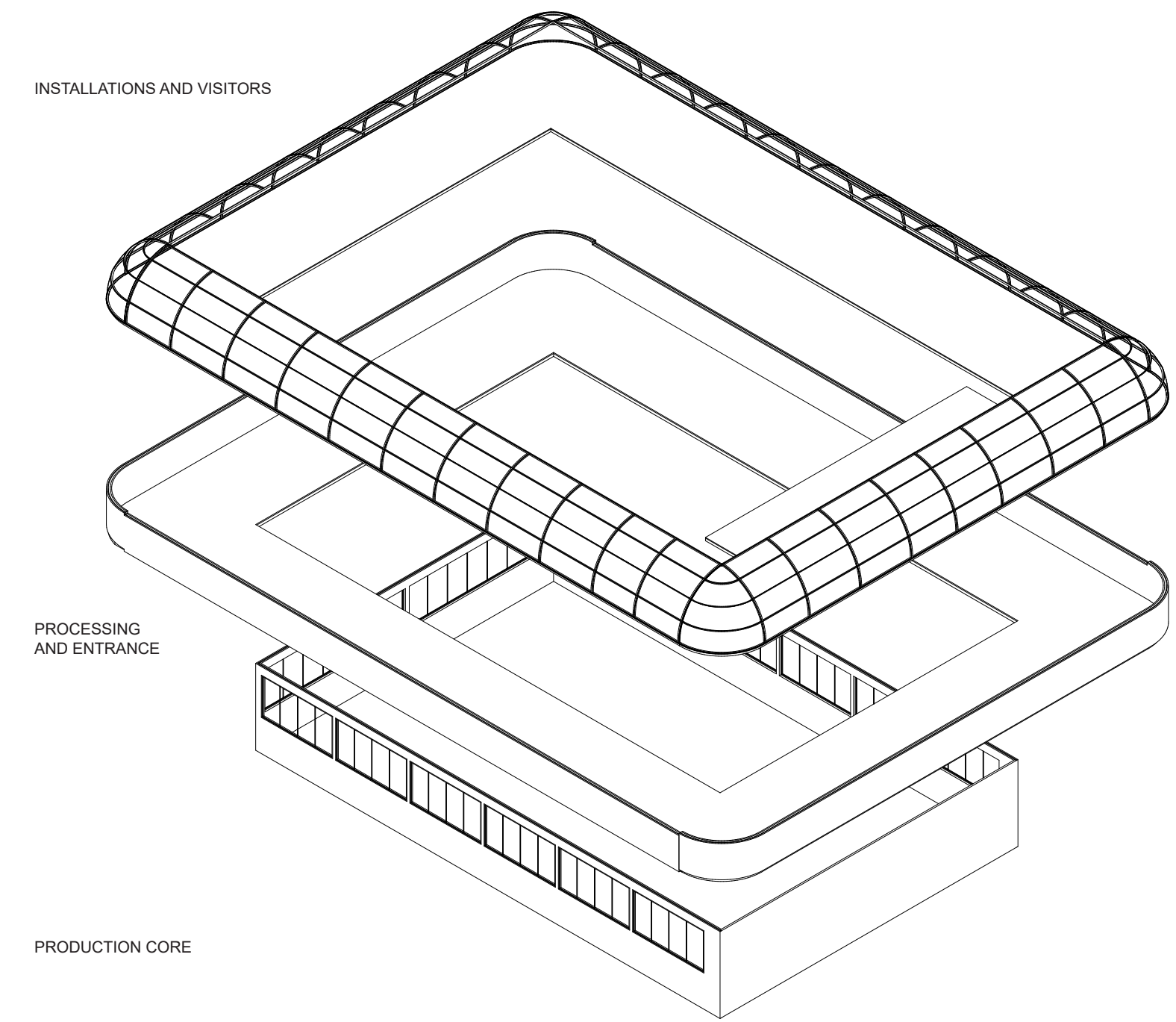


This farm is a land based aquaculture farm that is focused on the usage of the whole fish. The Atlantic Salmon will grow in stages through multiple deep water tanks until they are ready to be slaughtered. Through a highway of pipes the fish will be transported with minimum stress to the slaughter process, this maximizes the quality of the flesh. In the slaughter process everything will be used. The eggs will be divided, 5% will be fertilized and hatched, the other 95% will be used for caviar. The guts of the fish will be minced to dogfood. The head and the leftovers that are produced in the slaughter process will be used to make broth. The flesh of the fish will be sliced into fillet. This is not all, the skin of the fish will be made into leather. The production process of the leather minimizes the odor, making the leather versatile in use.

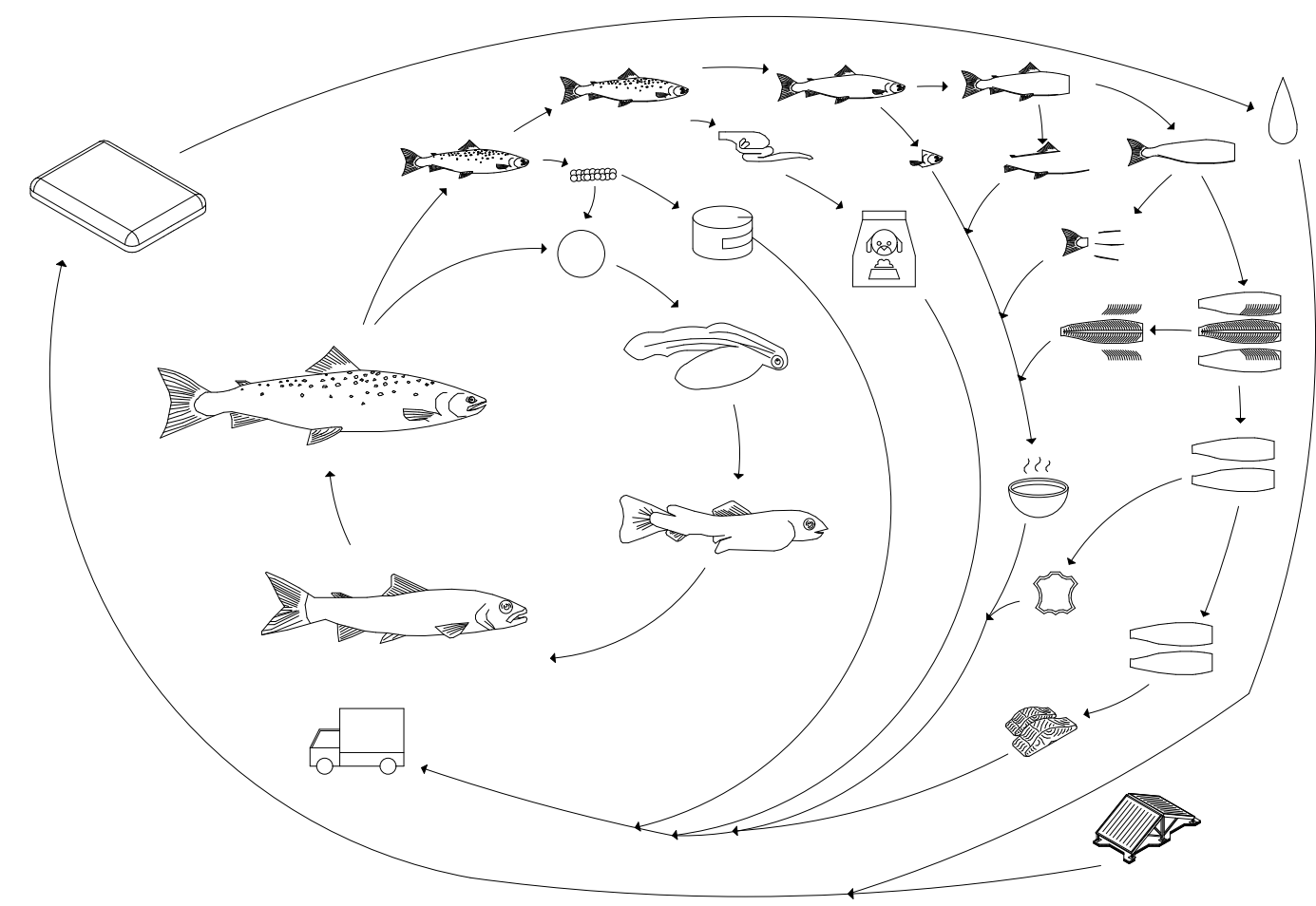
Atlantic Salmon Aquaculture Module
 75 kg/m³
 15 fishes/m³
 4500 kg/module
 900 fishes/module
 59880 kg/module

Factory specifications
 Output Fish: 135 ton/year
 Equals to: 27000 fish/year
 Energy usage: 876 GW/year
 Feed: 600kg/day
 Fresh water: 167 m³/day

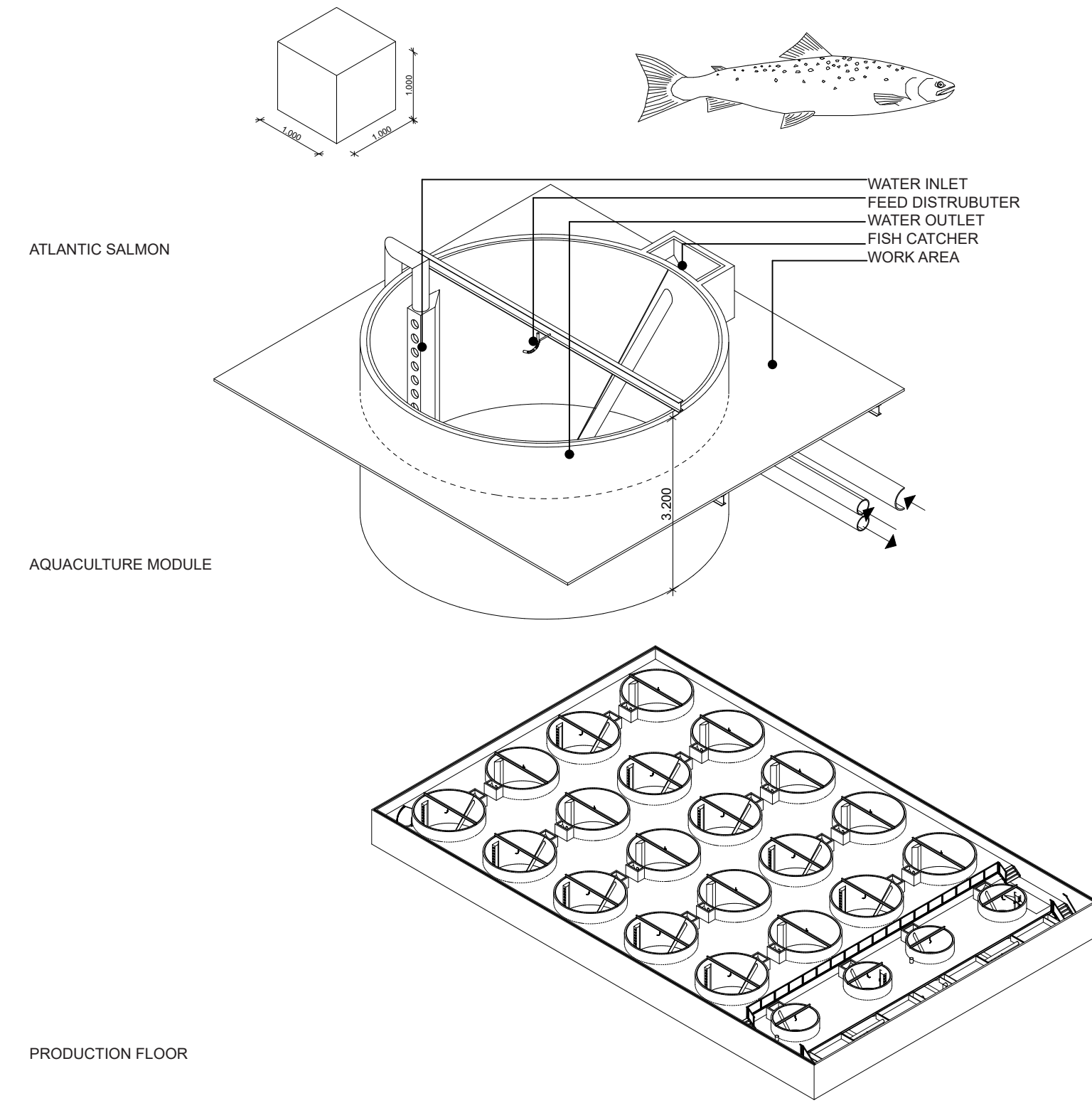
MENU



CONCEPT

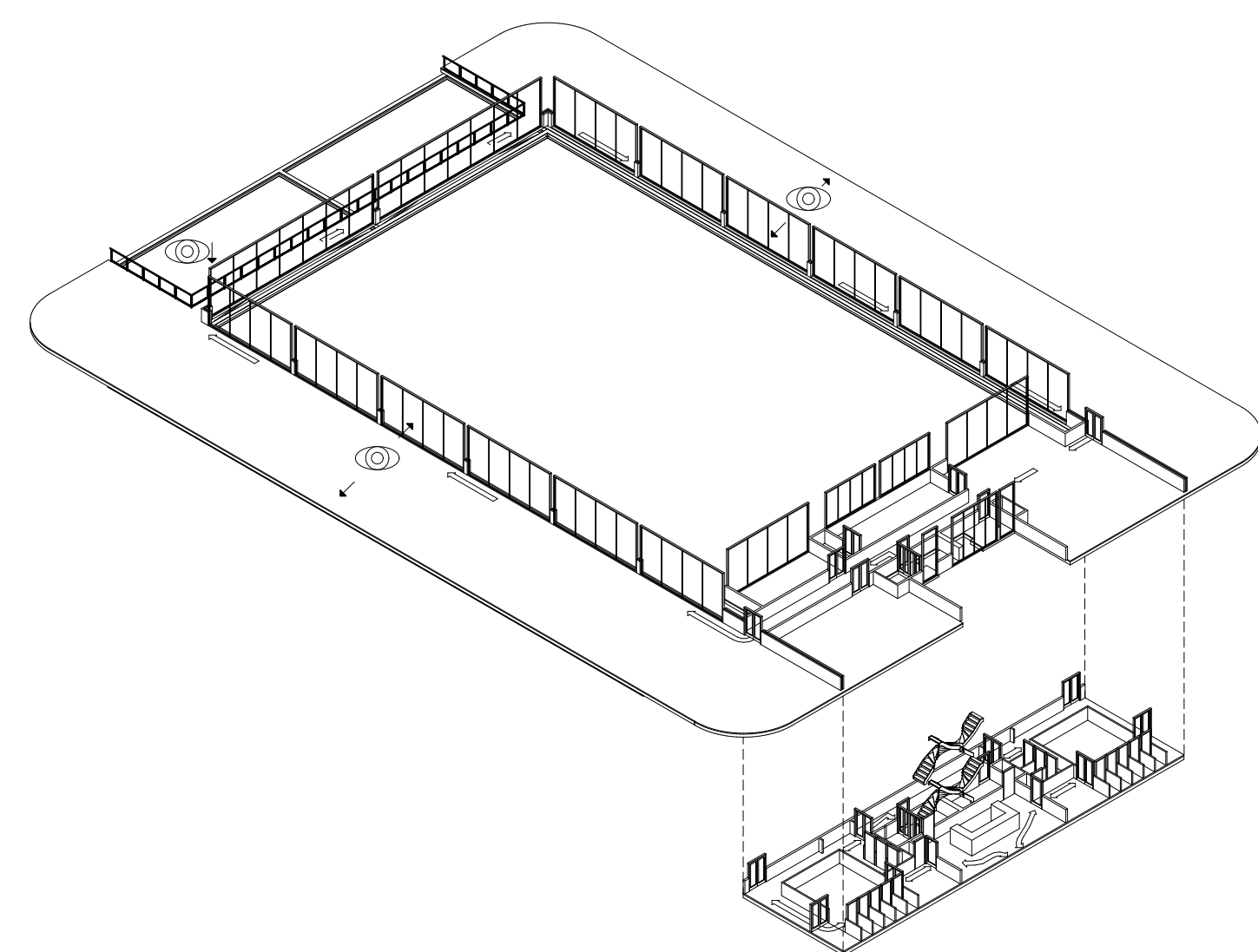


CIRCULARITY

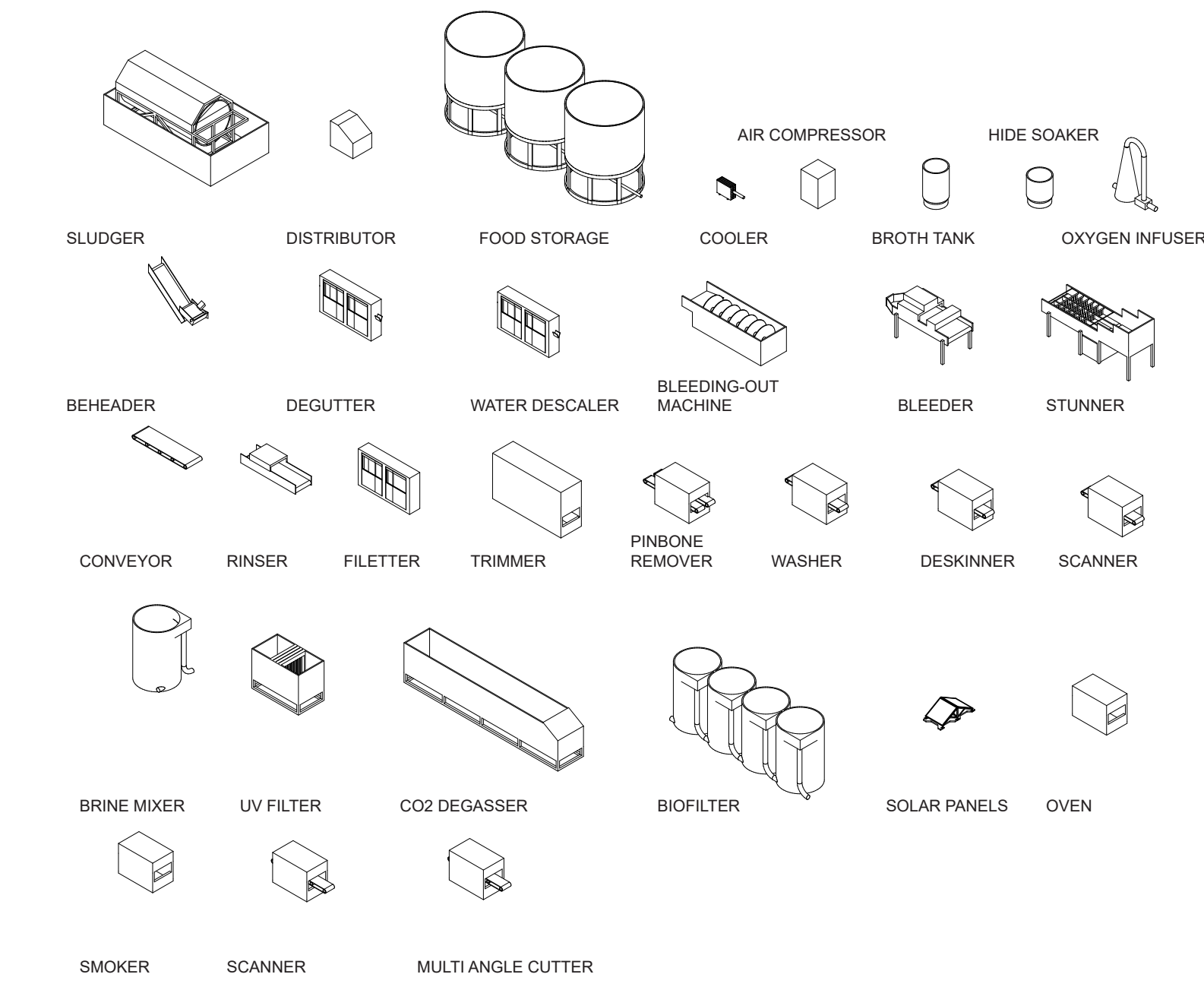


PRODUCTION FLOOR

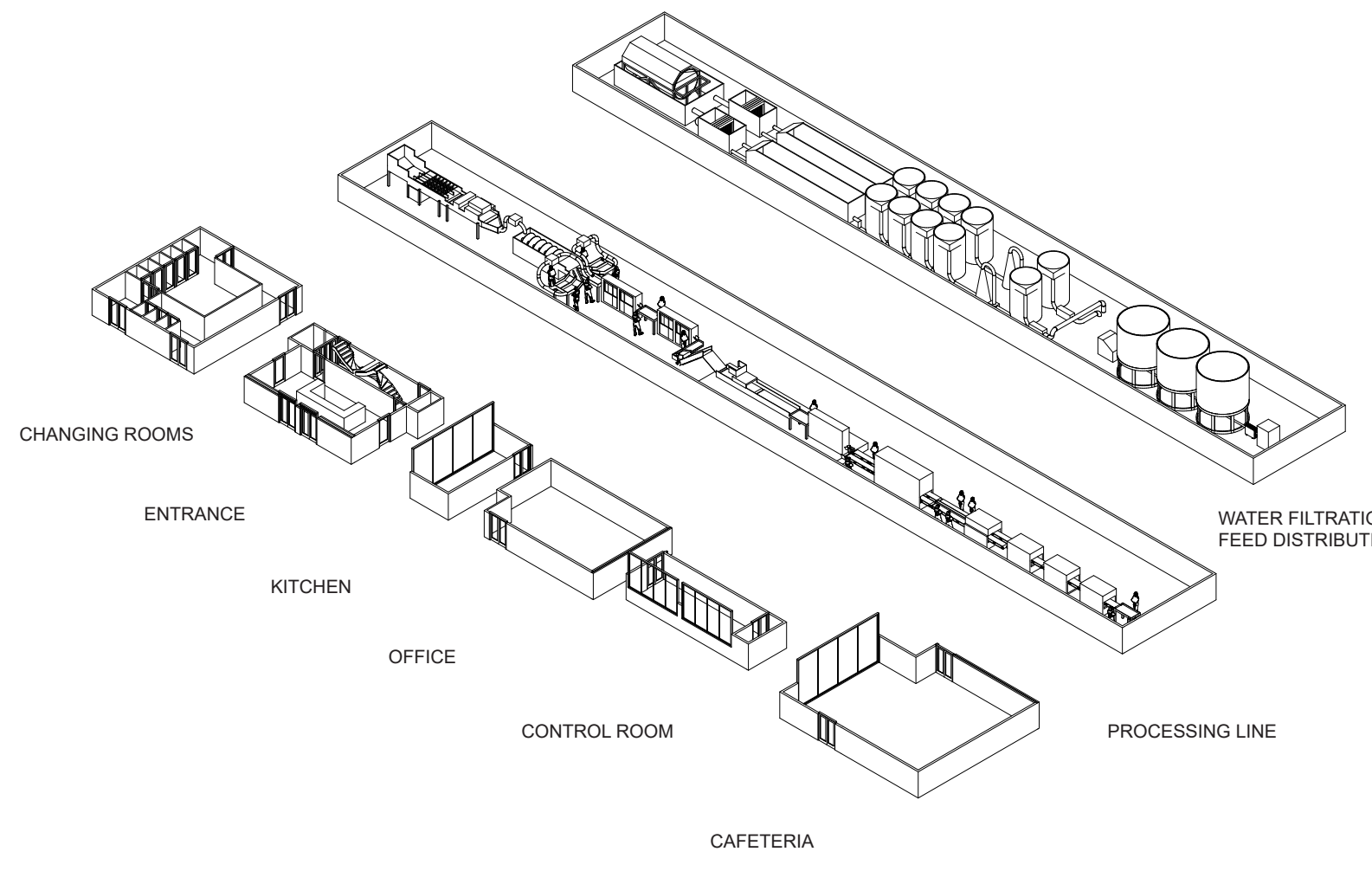
PRODUCT SYNERGY



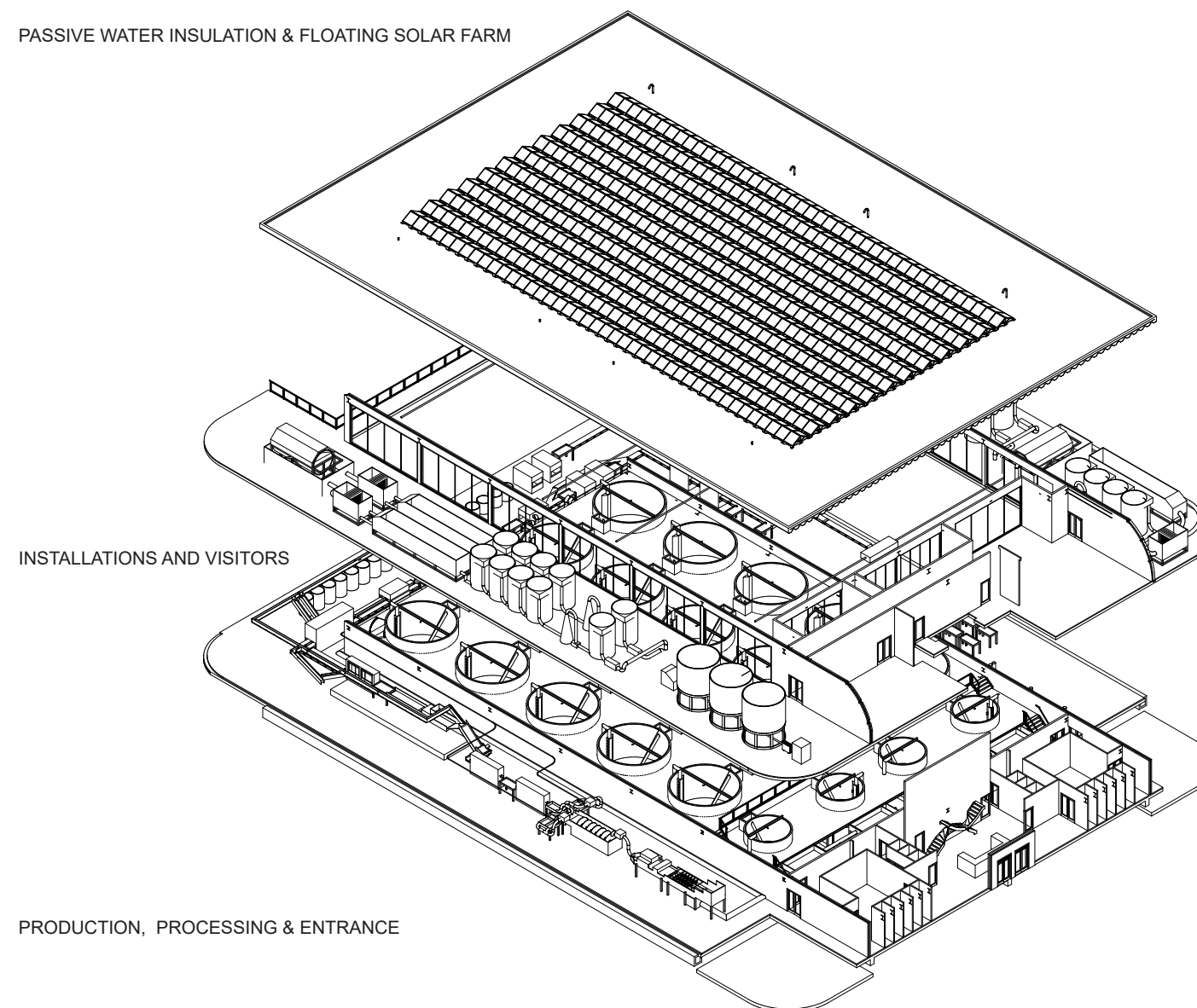
AGRI-CULTURE



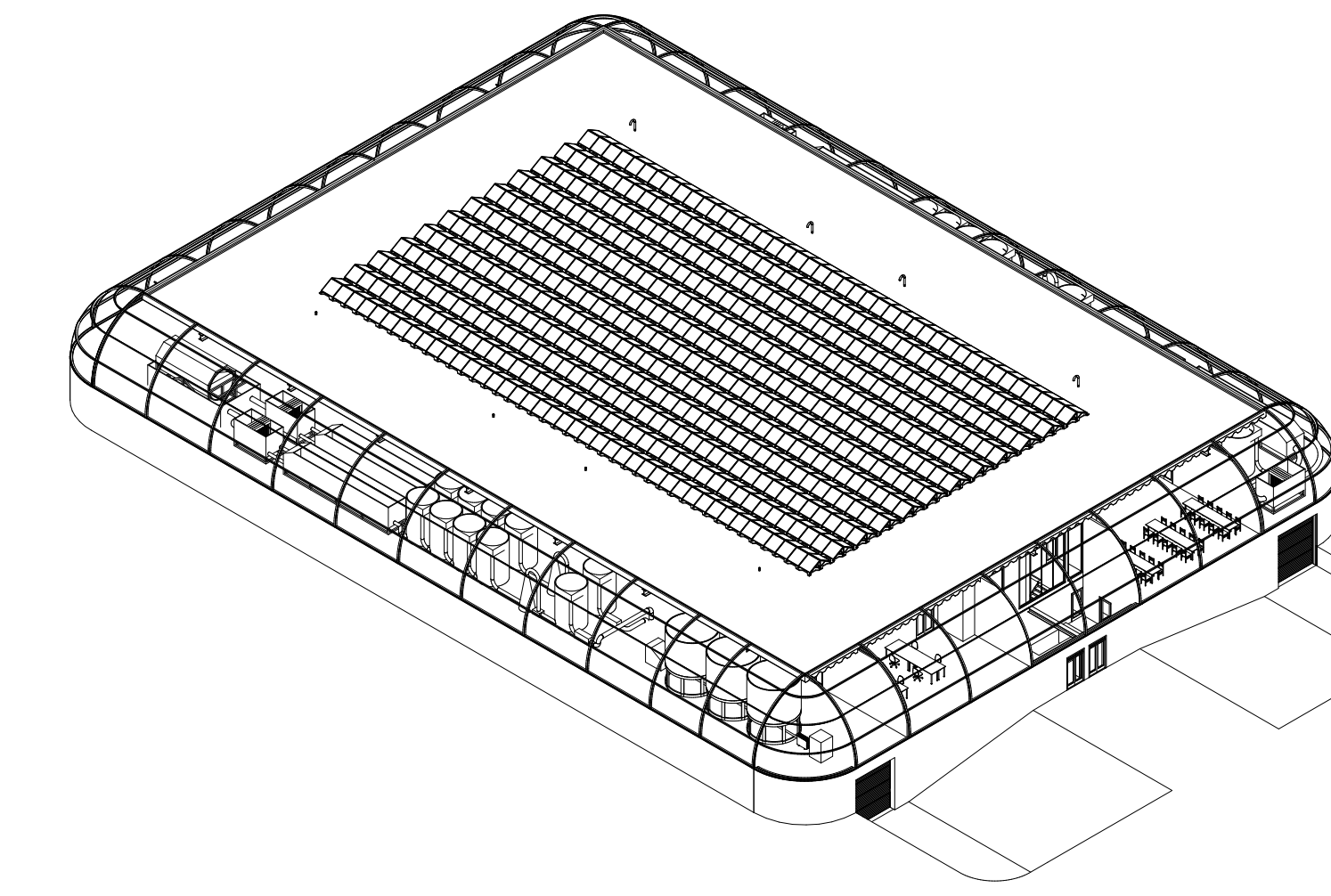
TECHNOLOGY



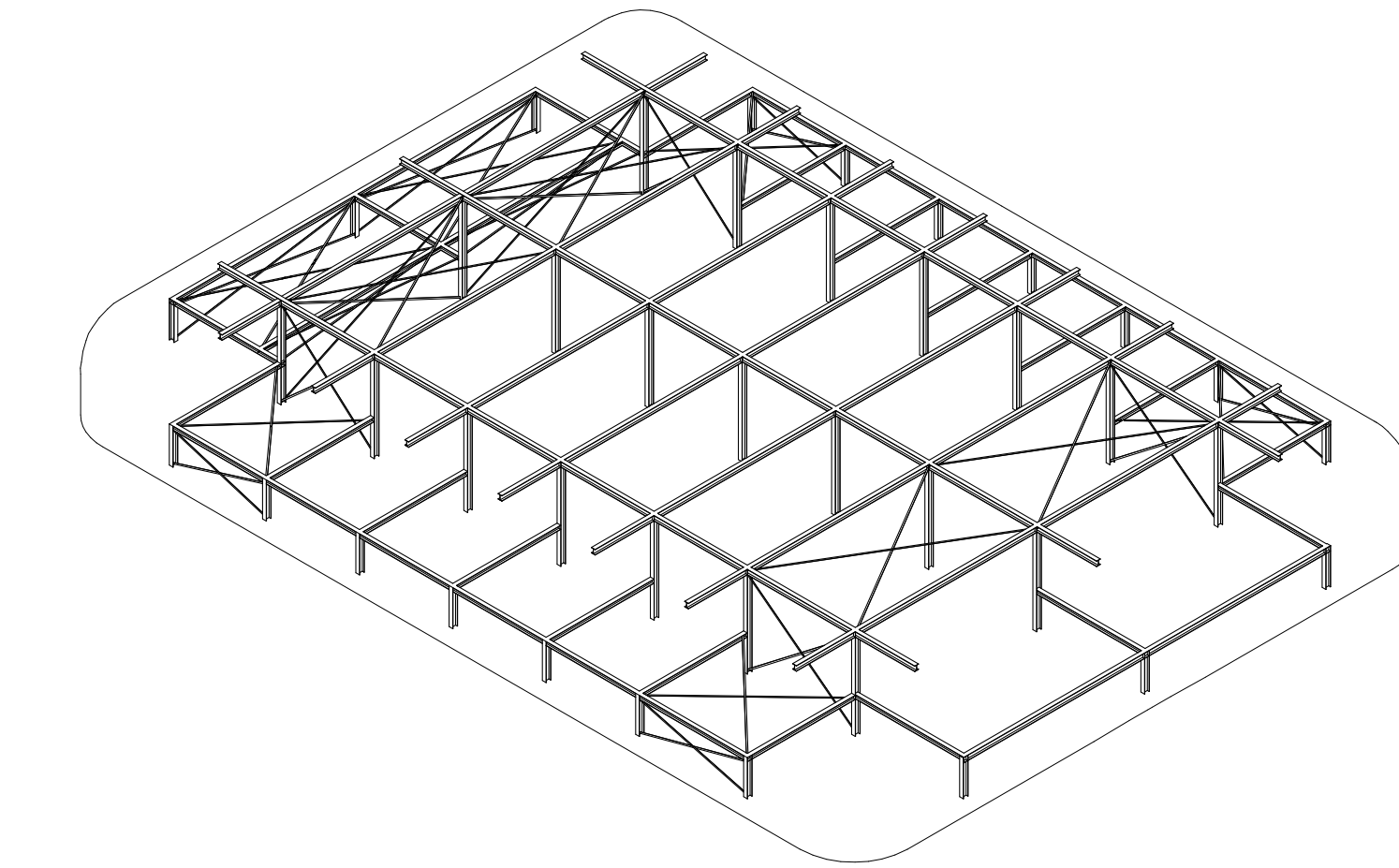
PROCESSING & PACKAGING



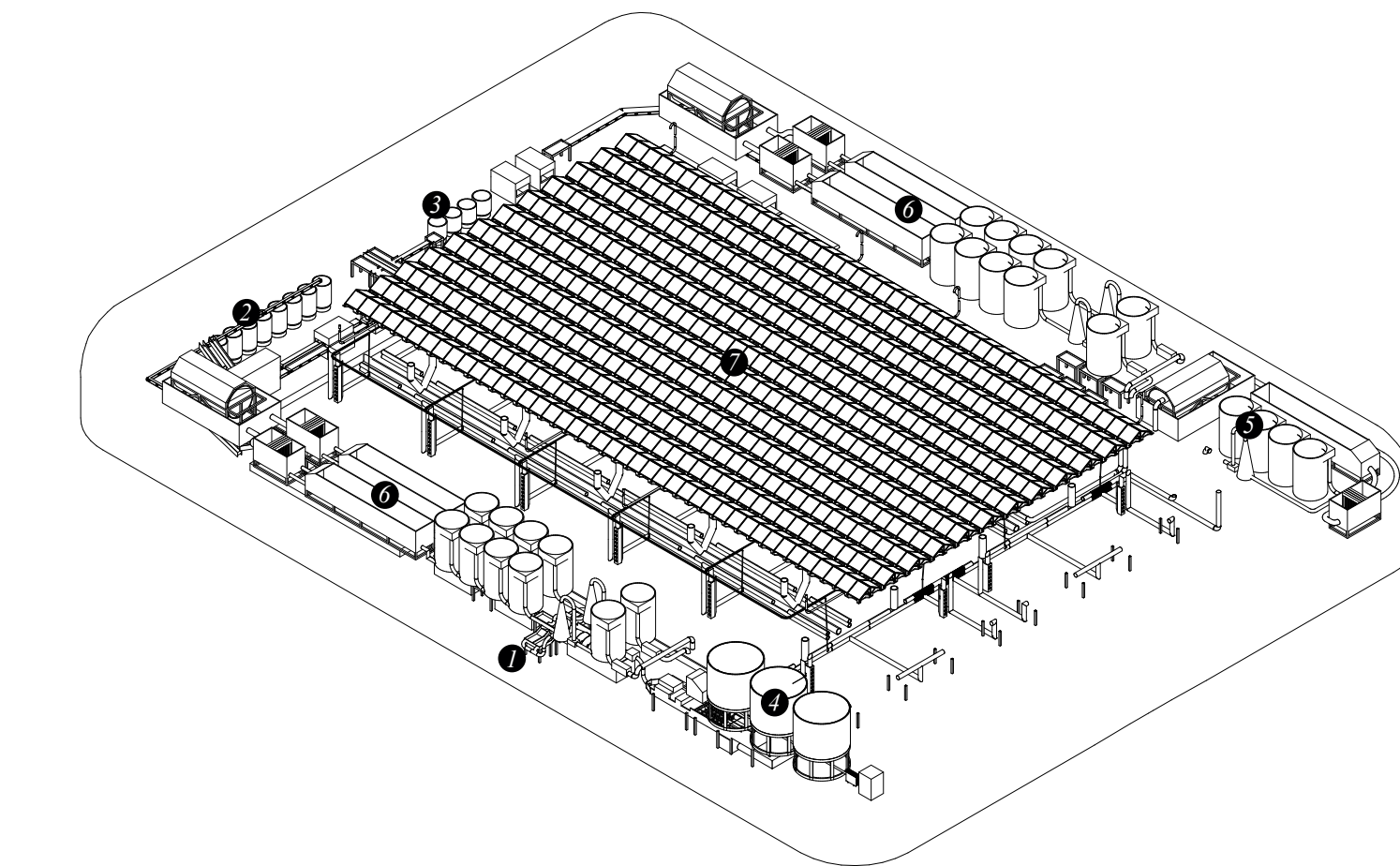
THE COMPACT MODEL



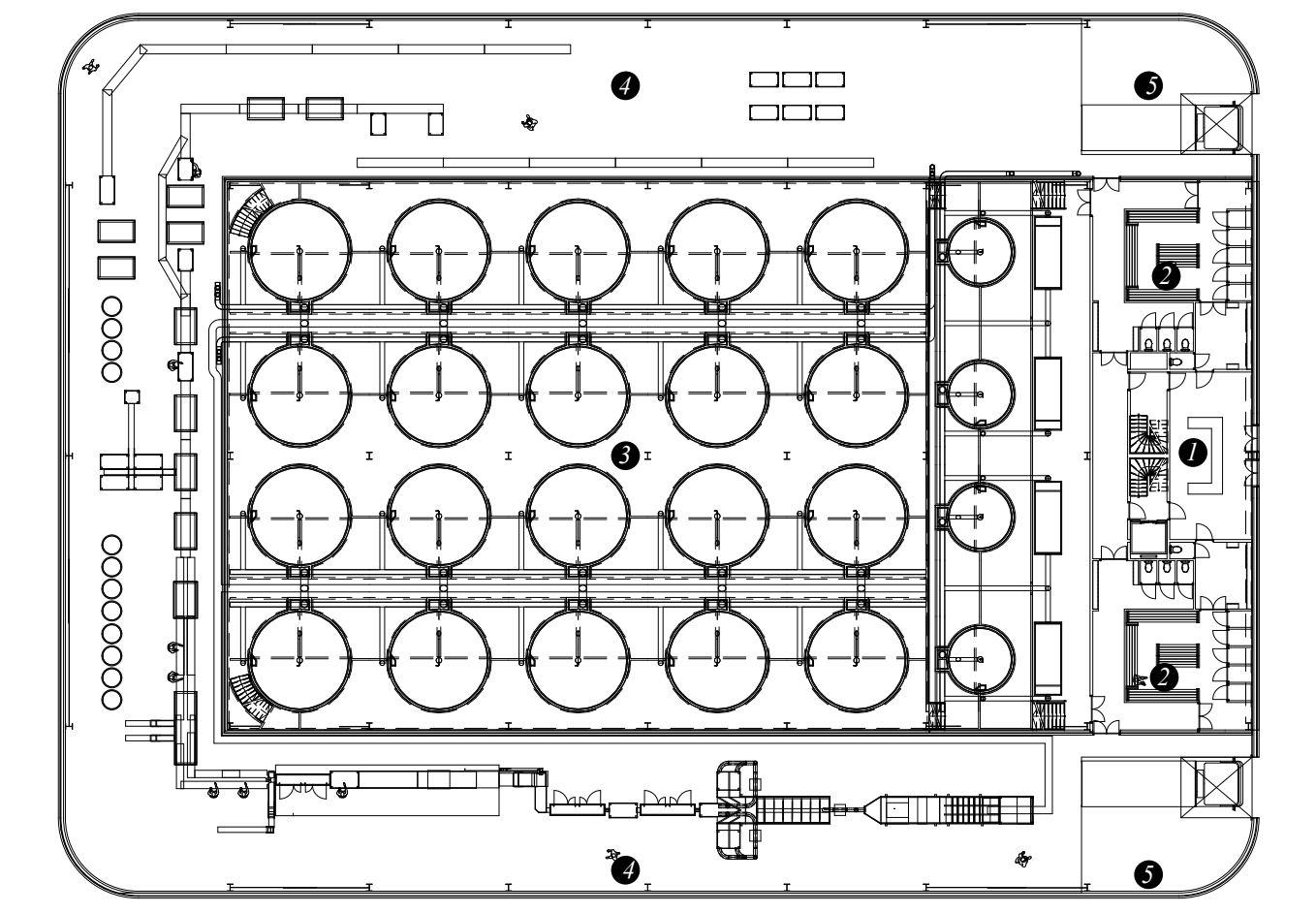
ARCHITECTURE



STRUCTURE

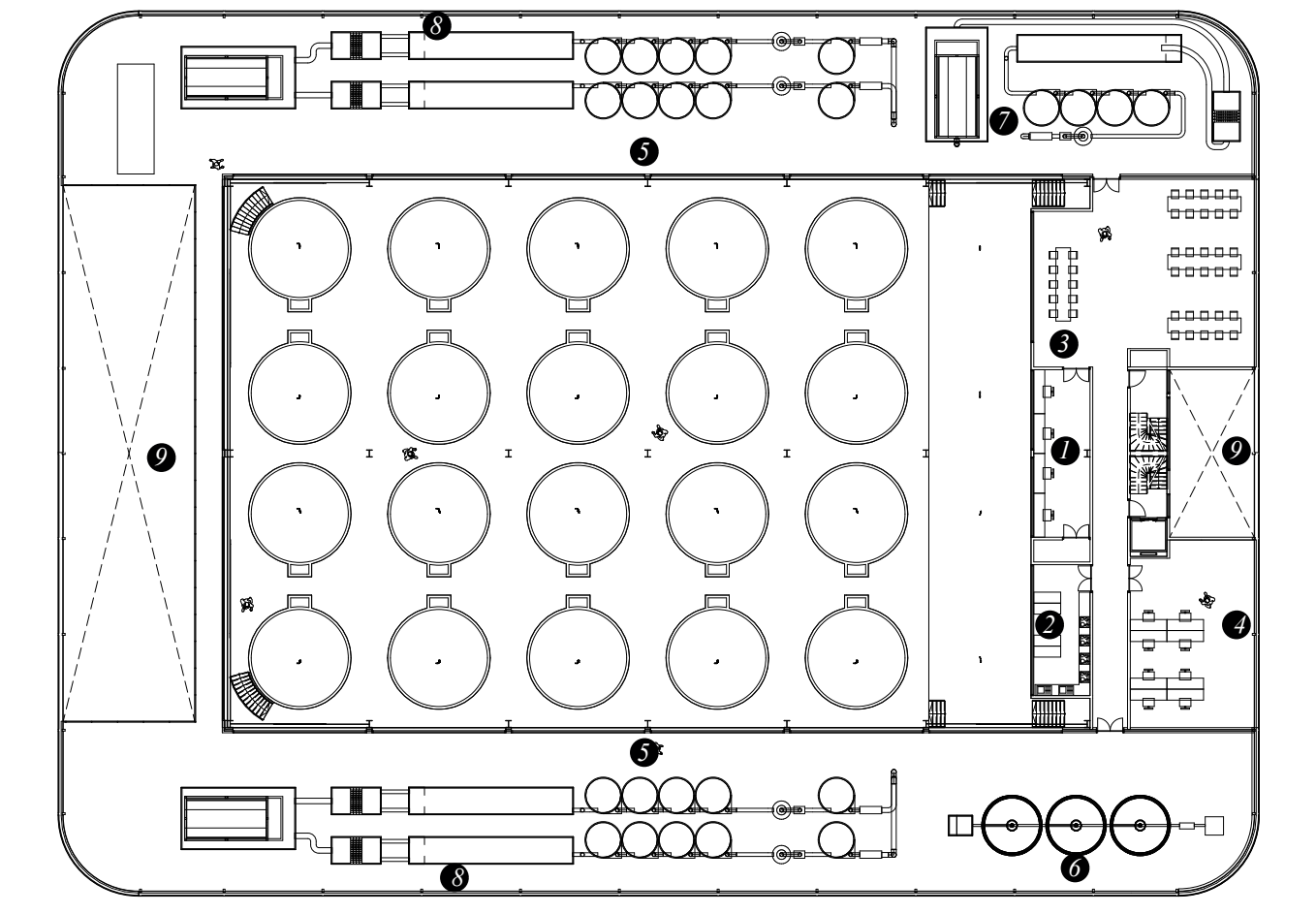


INFRASTRUCTURE



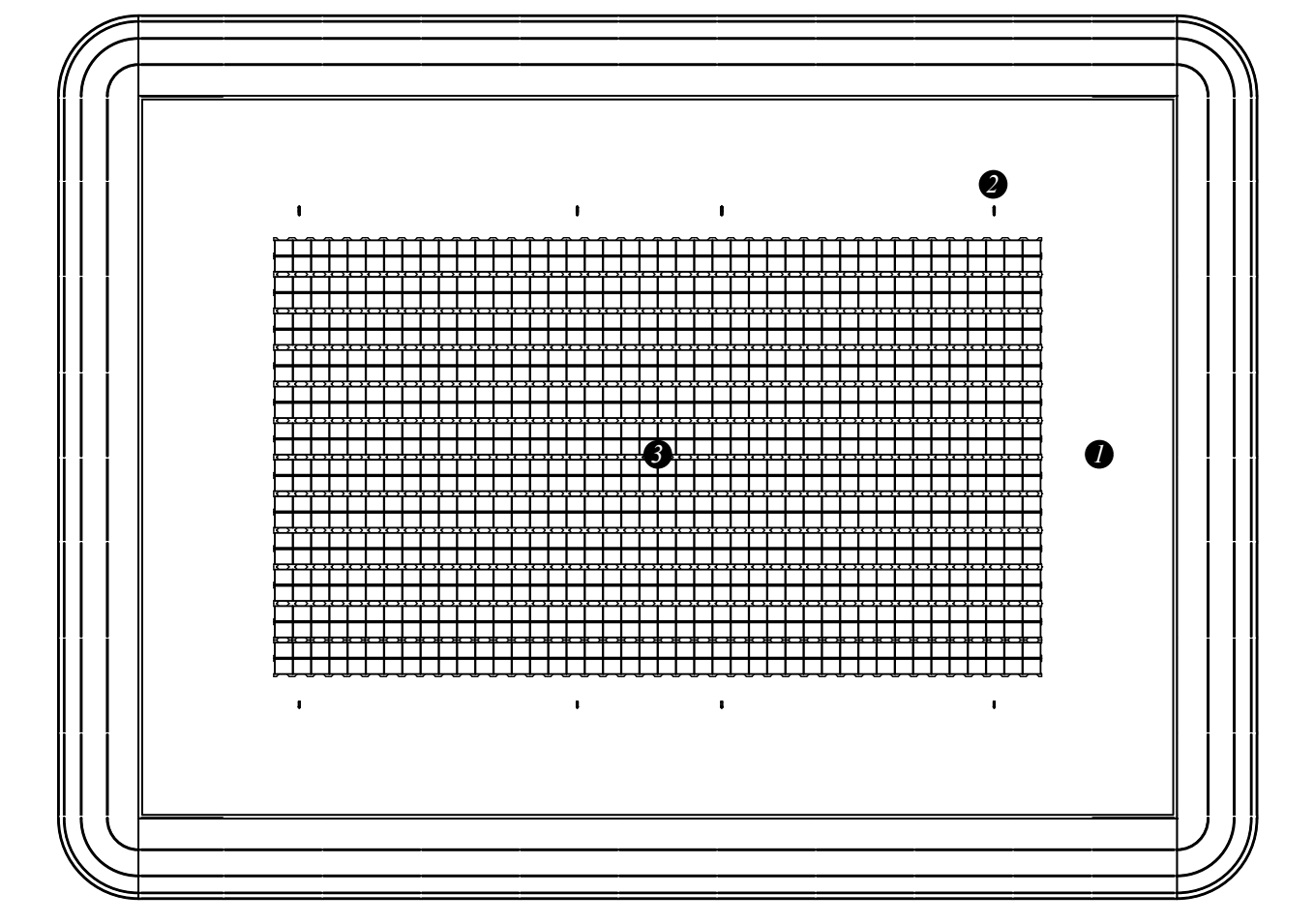
- 1 ENTRANCE
- 2 CHANGING ROOMS
- 3 PRODUCTION FLOOR
- 4 PROCESSING FLOOR
- 5 PACKAGING AND DELIVERY

FLOOR PLAN 00



- 1 CONTROL ROOM
- 2 KITCHEN
- 3 CAFETERIA
- 4 OFFICE
- 5 EDUCATIONAL ROUTE
- 6 FEED STORAGE
- 7 WATER FILTRATION FRESH
- 8 WATER FILTRATION SALT
- 9 VOID

FLOOR PLAN 01



- 1 PASSIVE COOLING ROOF
- 2 WATER OUTLET - CIRCULATION
- 3 FLOATING SOLAR PARK

FLOOR PLAN 02

ALL-USE AQUACULTURE

KASPUR VAN DER LEM

