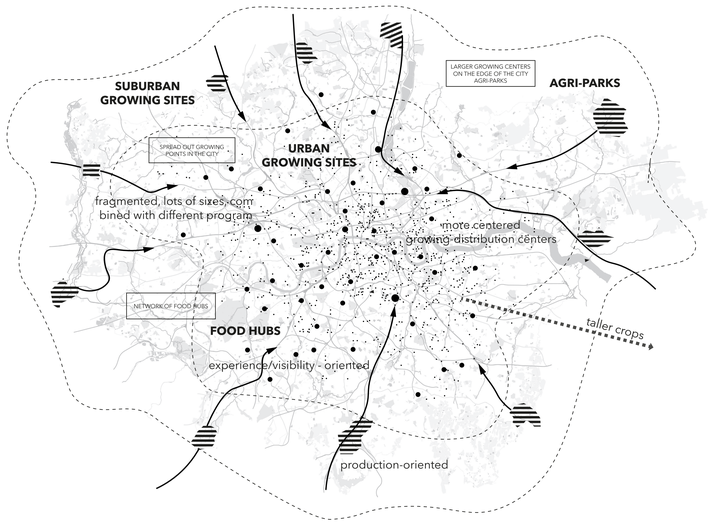
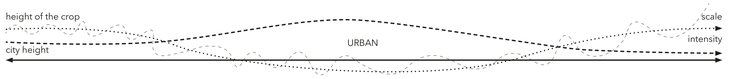
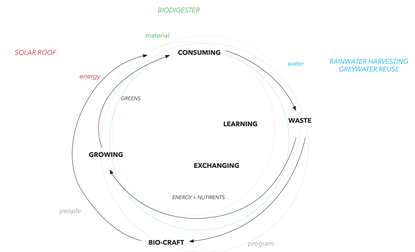
URBAN FOODSCAPES

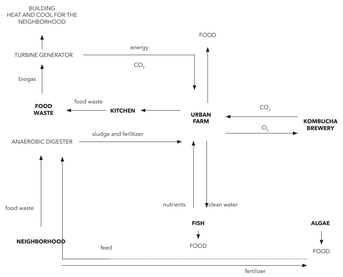
Intersecting flows

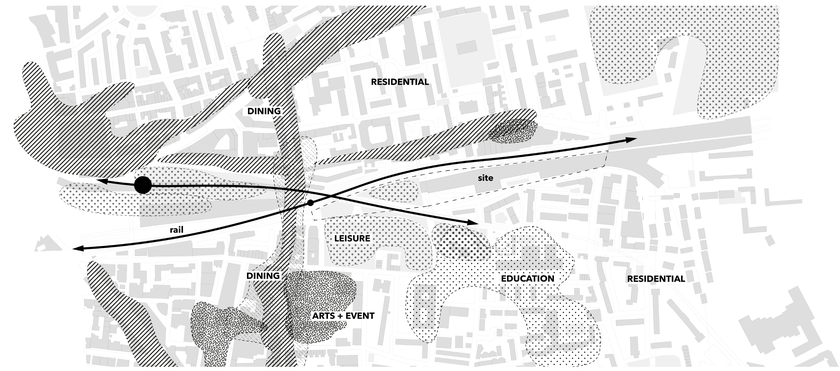
P5

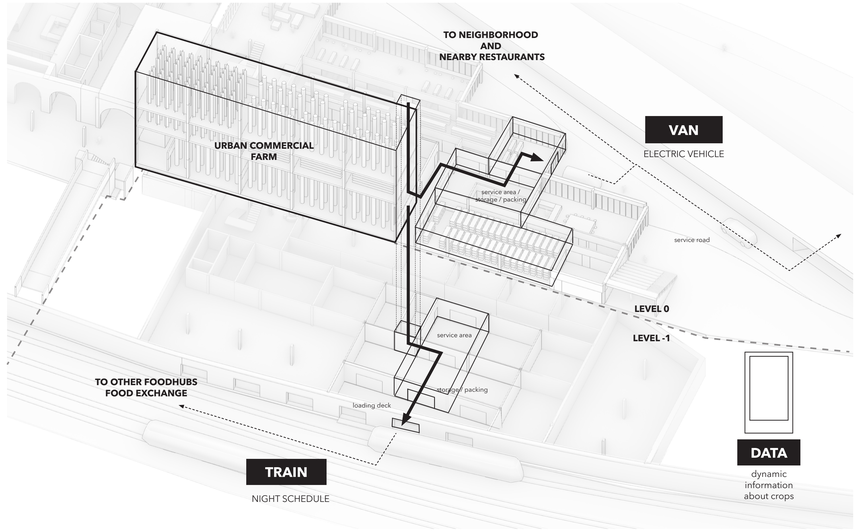




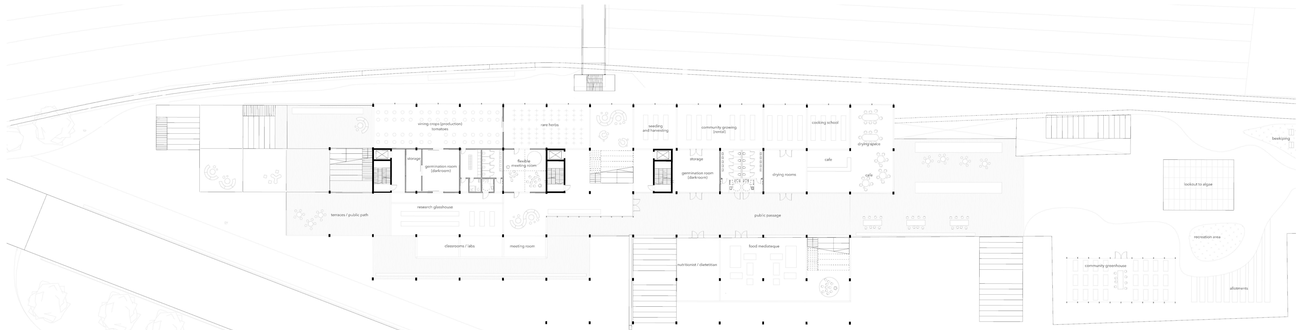




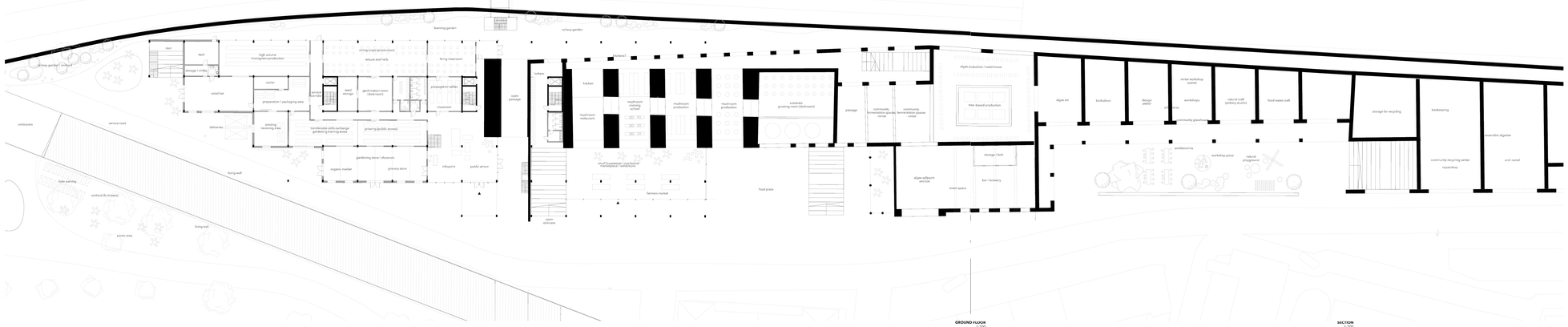




URBAN STRATEGY
1:1000

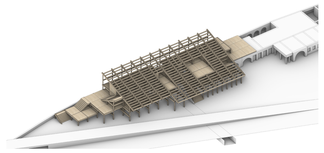


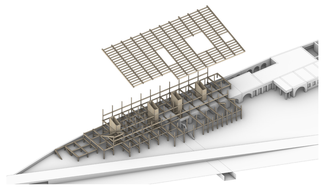
VIADUCT LEVEL



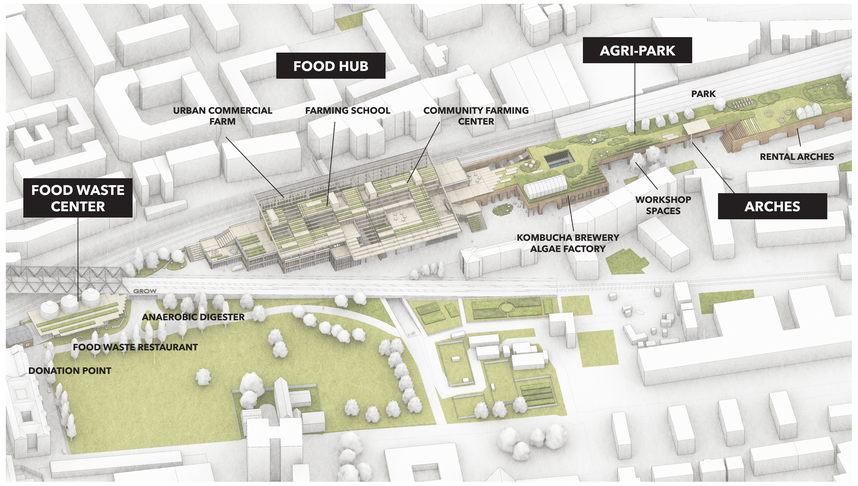
GROUND FLOOR
1:200

SECTION
1:200

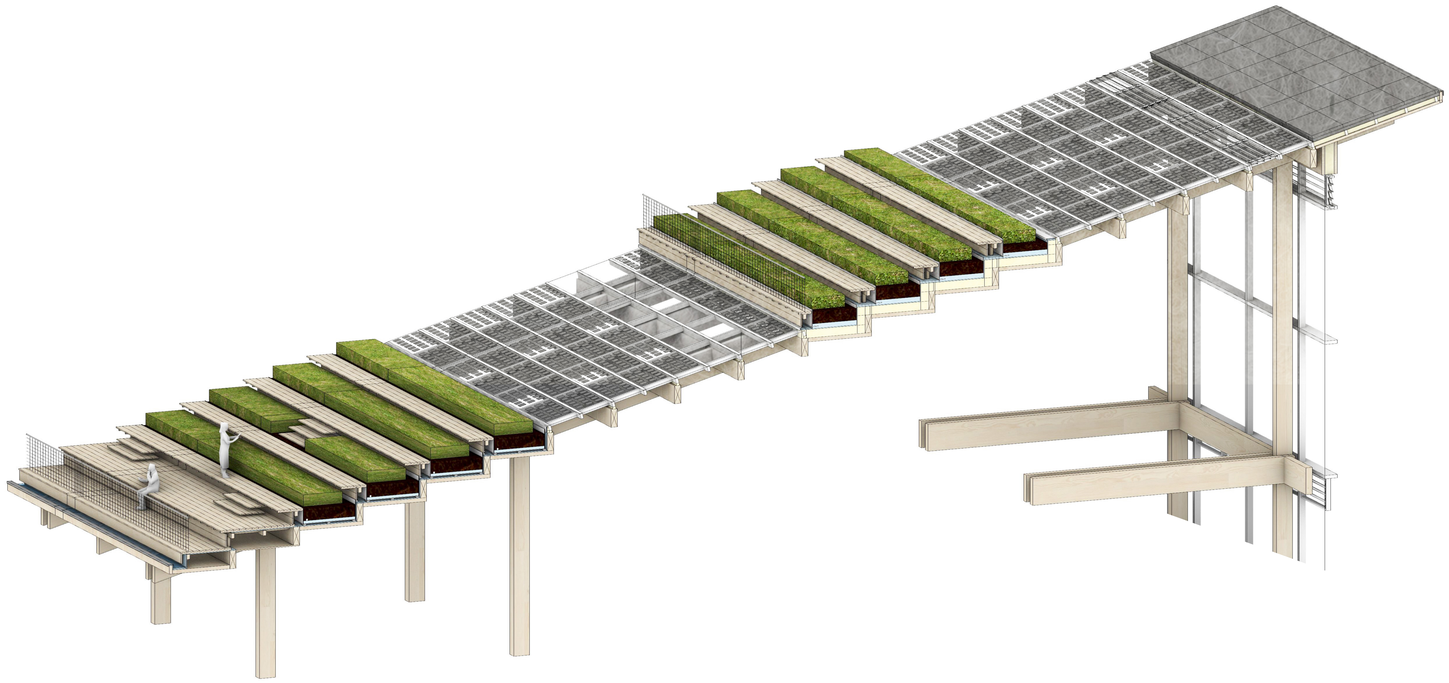


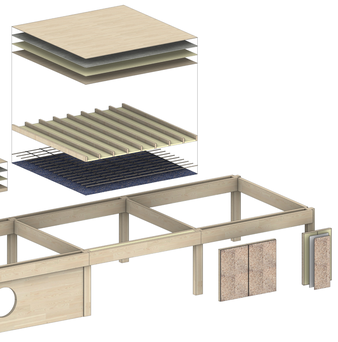


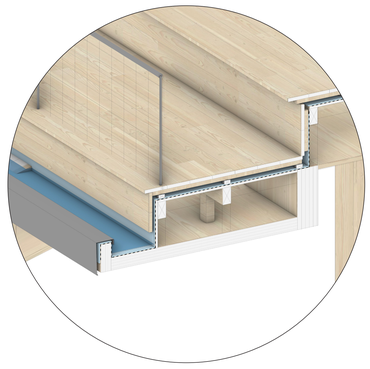
GROW

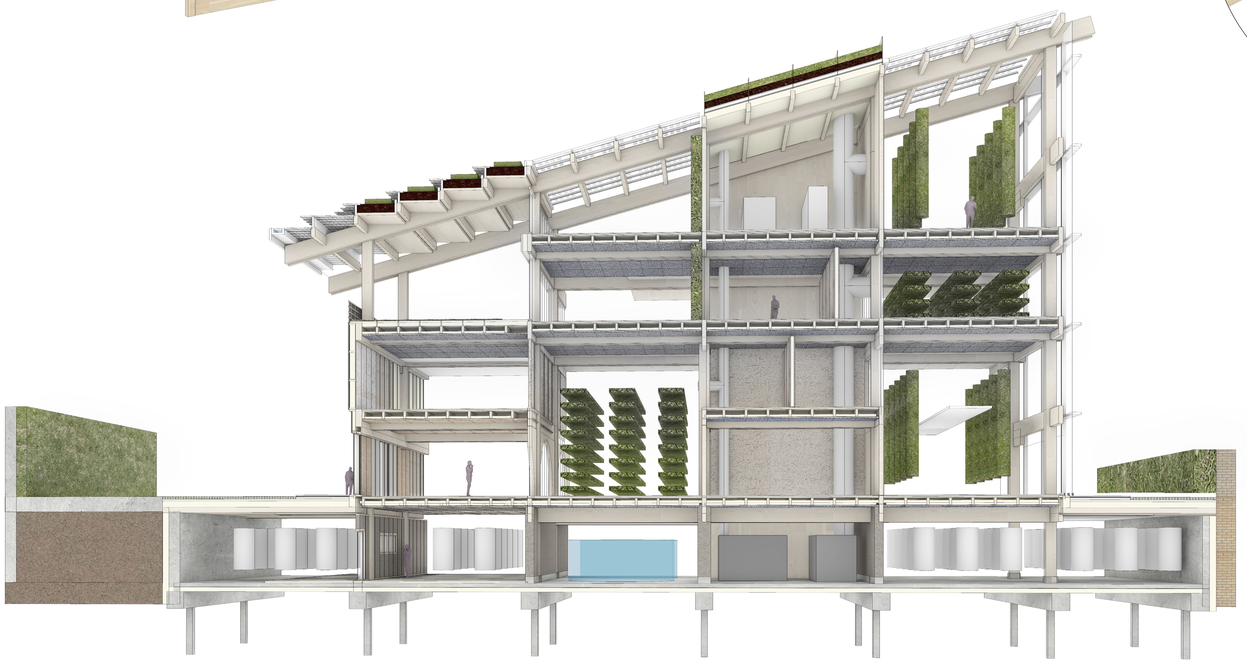

FOOD HUB
AGRI-PARK
PARK
URBAN COMMERCIAL FARM
FARMING SCHOOL
COMMUNITY FARMING CENTER
RENTAL ARCHES
FOOD WASTE CENTER
WORKSHOP SPACES
ARCHES
KOMBUCHA BREWERY
ALGAE FACTORY
GROW
ANAEROBIC DIGESTER
FOOD WASTE RESTAURANT
DONATION POINT

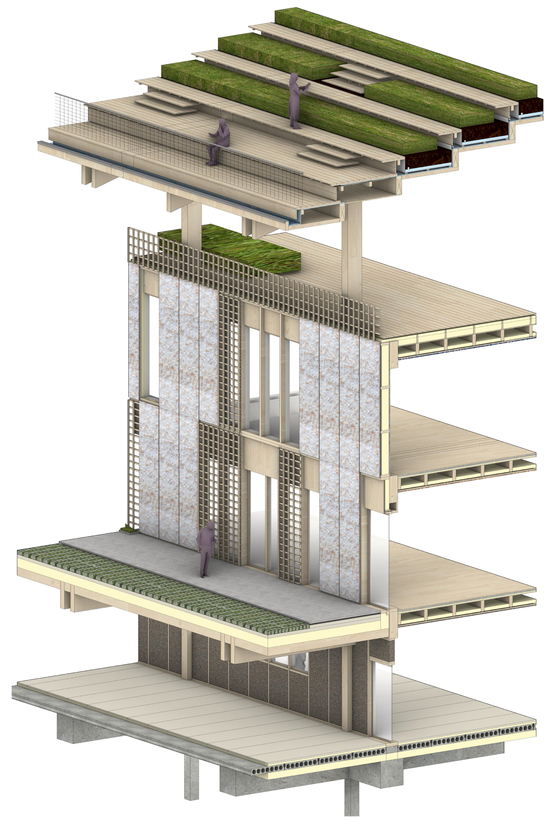






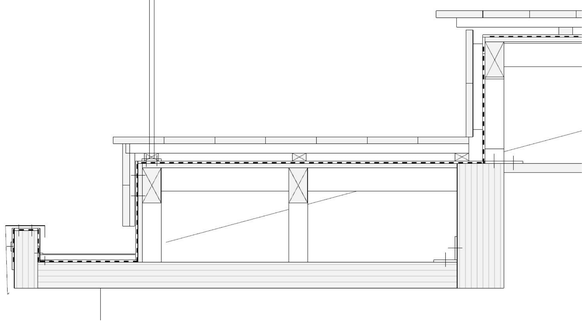




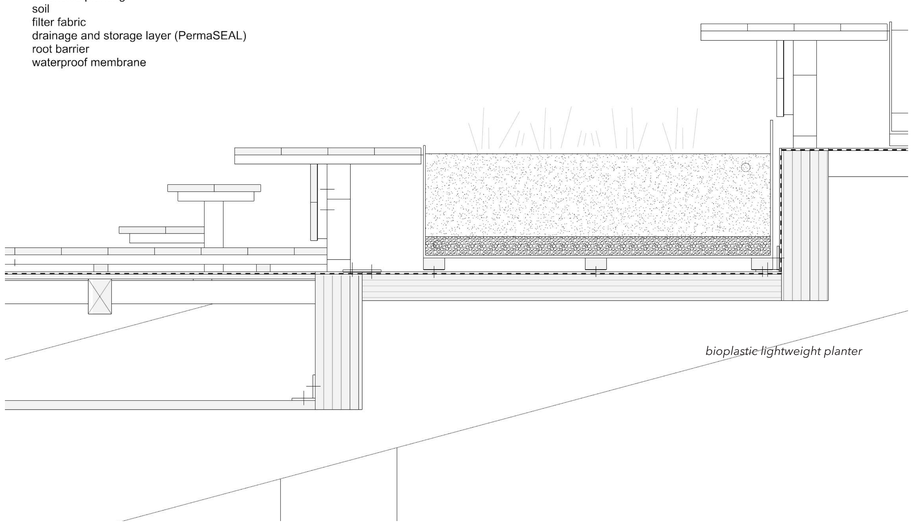


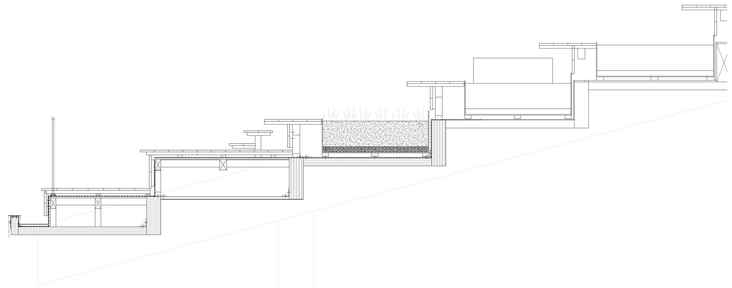
ROOF_TERRACE
3cm - planks - NEOLIFE (wood composite)
terrace substructure
- waterproofing layer

2cm - OSB board
60x20 cm ceiling beams - gluelam
5cm - CLT board



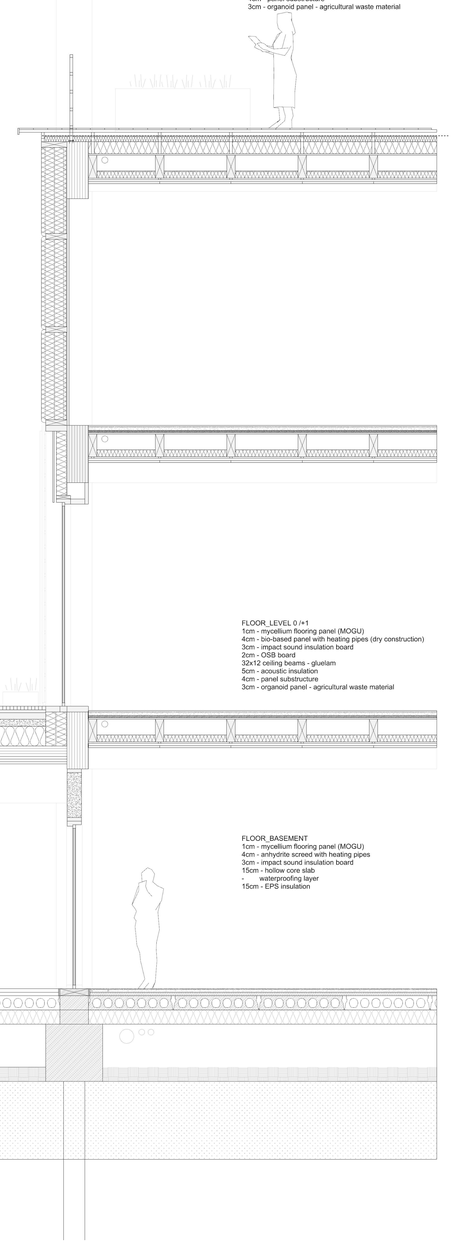
ROOF PLANTER
extensive planting
soil
filter fabric
drainage and storage layer (PermaSEAL)
root barrier
waterproof membrane





FLOOR_TERRACE
3cm - planks - NEOLIFE (wood composite)
terrace substructure
- waterproofing layer
20cm - insulation

2cm - OSB board
32x12 cm ceiling beams - gluelam
5cm - acoustic insulation
4cm - panel substructure
3cm - organoid panel - agricultural waste material



WALL EXTERNAL
35cm - mycelium panel
- timber modular substructure
- bioplastic vapour barrier
3cm - organoid (bio-based panel)

FLOOR_LEVEL 0 / outside
1cm - mycelium flooring panel (MOGU)
4cm - bio-based panel with heating pipes (dry construction)
3cm - impact sound insulation board
2cm - OSB board
15x15 ceiling beams - gluelam
5cm - acoustic insulation
4cm - panel substructure
3cm - organoid panel - agricultural waste material

FLOOR_LEVEL 0 /+1
1cm - mycelium flooring panel (MOGU)
4cm - bio-based panel with heating pipes (dry construction)
3cm - impact sound insulation board
2cm - OSB board
32x12 ceiling beams - gluelam
5cm - acoustic insulation
4cm - panel substructure
3cm - organoid panel - agricultural waste material

FLOOR_BASEMENT
1cm - mycelium flooring panel (MOGU)
4cm - anhydrite screed with heating pipes
3cm - impact sound insulation board
15cm - hollow core slab
- waterproofing layer
15cm - EPS insulation