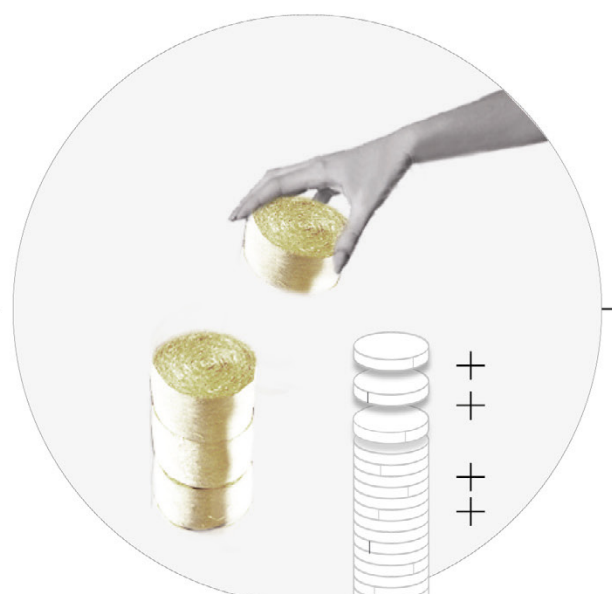




RYE FIELD

a rye field crossed by bridges, paths and platforms is due to become the energy carrier, seizing nature as a source of power

HARVESTING + COMPRESSION



TOWER

the observation tower is built from a system of compressed straw encased in gabions and a cut out stair

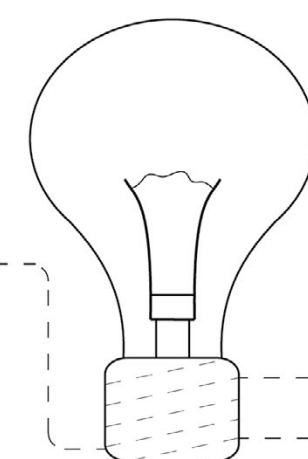
MICROBIAL DECOMPOSITION



ENERGY PRODUCTION

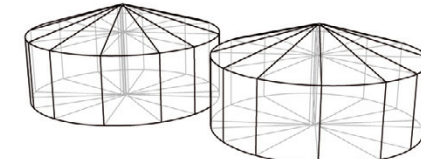
BIOGAS

produced by the combustion of renewable plants or plant remains (harvested rye). In this case, a better utilization of existing plants is intended.



SUPPLY HOUSEHOLDS

52.380.000 W



MAINTANANCE + SUPPLY BIOGAS PLANT

PIEZOELECTRICS

through piezoelectric technology on the floor of the larger crop circles, kinetic energy is transformed in electricity



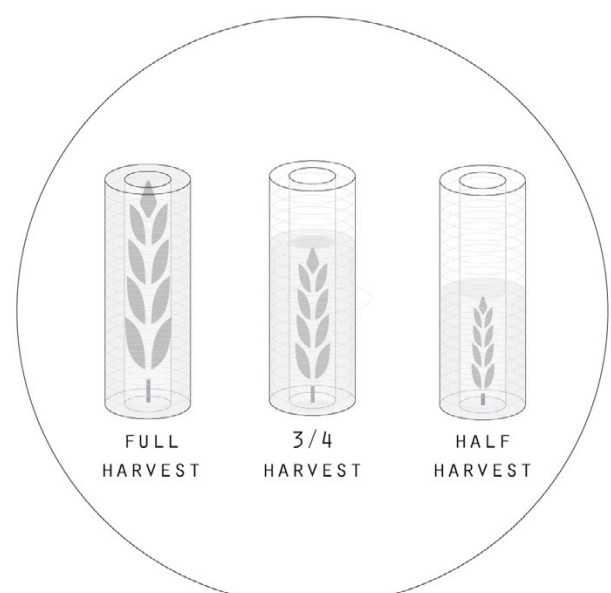
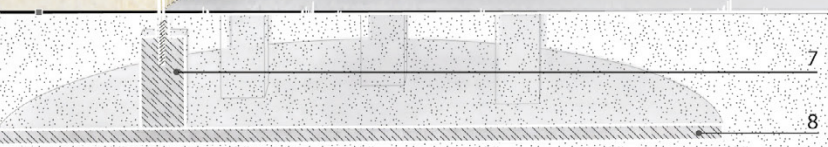
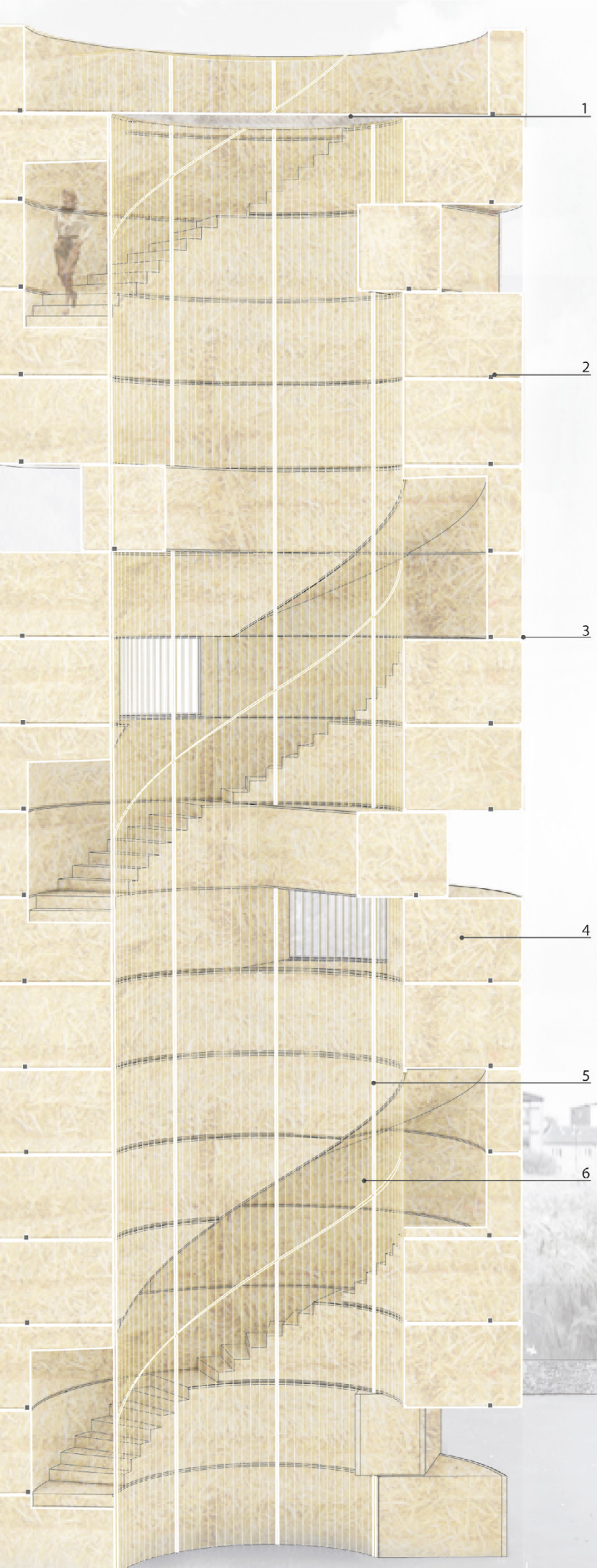
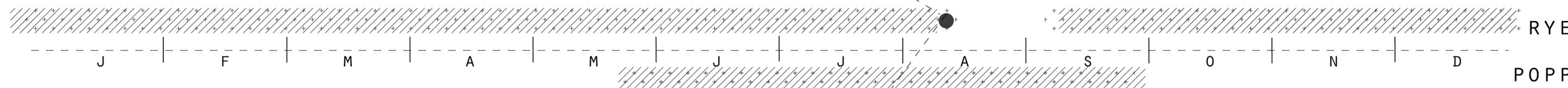
RYE



POPPY

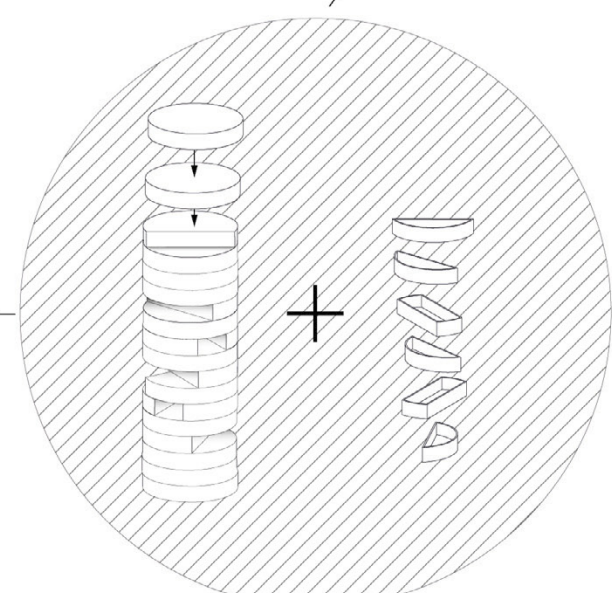
As an urban gardening concept the design tries to avoid unnatural and inefficient monocultures and relies on the blending with poppies. In the following the poppies are spread mainly on the edges of the path, but they are also mixed in the general field of the plot area. Through the different harvest and blossom time points, a year-round visual staging can be achieved.

The different planting also promotes the intermixing of the soil and the unilateral leach and in addition the potential crop yield is increased.



GROWTH OF TOWER

depending on the outcome of the harvest, the tower grows through its modular system



ADDITION & SUBTRACTION

the tower follows the principles of adding supporting layers of suppressed rye and cutting out opening for view and the stair



MODUL 1

9X STAIR



MODUL 2

4X CANTILEVER



MODUL 3

2X VIEWPOINT



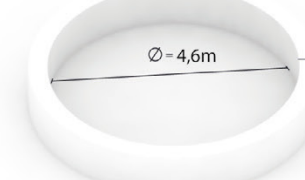
MODUL 4

1X ENTRANCE



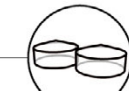
MODUL 5

1X ENTRANCE

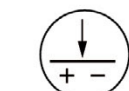


MODUL 6

1X PLATFORM



BIOGAS USE & ENERGY PRODUCTION.



PIEZO- ELECTRIC ENERGY PRODUCTION.

- | | | |
|---|-------------------------------------|-------------|
| 1 | perforated steel plate | 50mm |
| 2 | pull-rings made of steel | 100/50mm |
| 3 | gabions | 1200x1700mm |
| 4 | suppressed straw in sodium silicate | 1200x1700mm |
| 5 | circular columns | 150/150mm |
| 6 | steel cables | 50/50mm |
| 7 | bucket foundation | 1200x500m |
| 8 | reinforced concrete slab | 400mm |

TENSILE LOAD

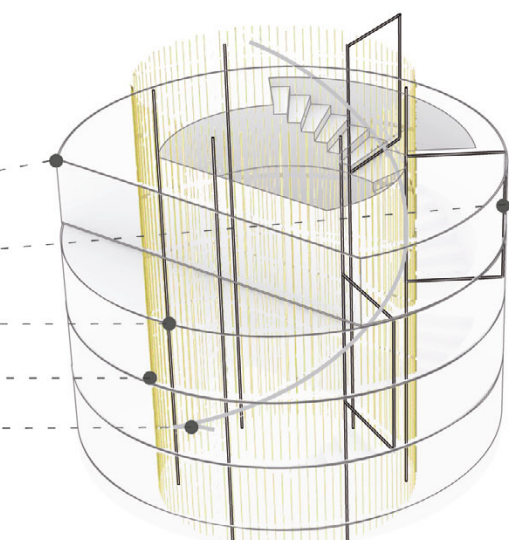
PART SUPPORTING STRUCTURE, STAIRS

BRACING FRAME, STAIRS

STEEL CABLES, FALL PROTECTION

BRACING SPIRAL, AGAINST

TORSTION



1 M 2 M
SCALE

