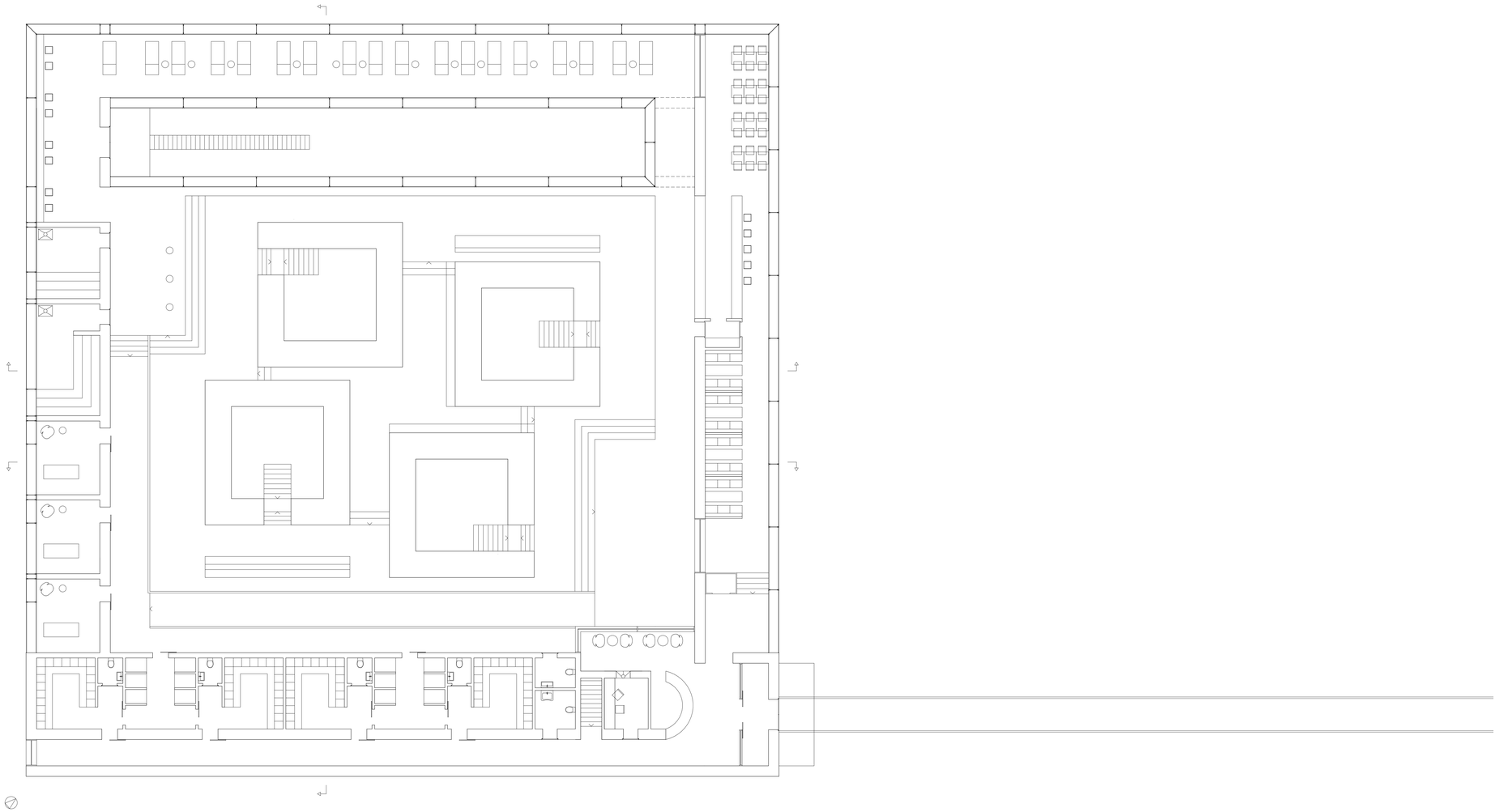
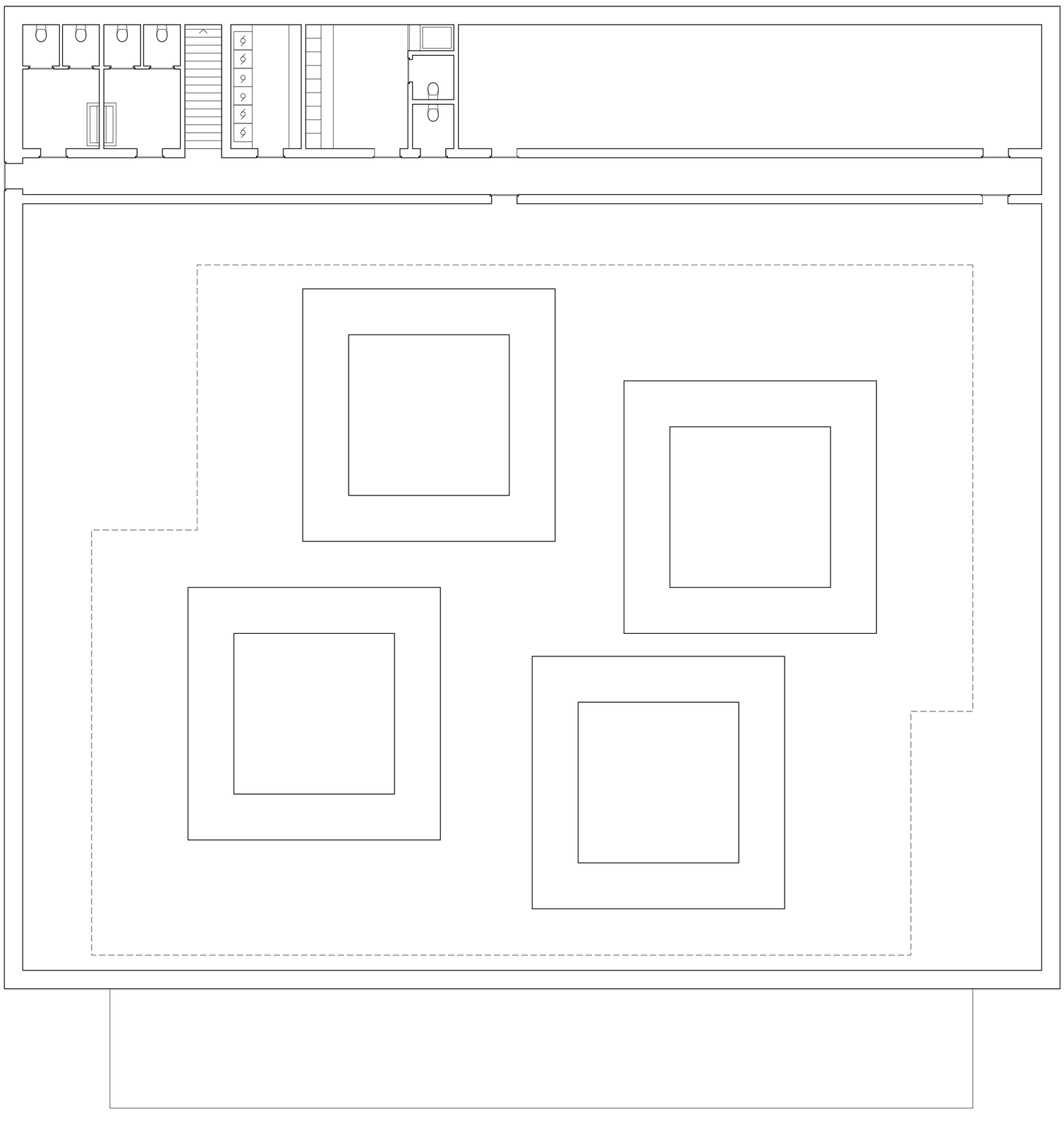
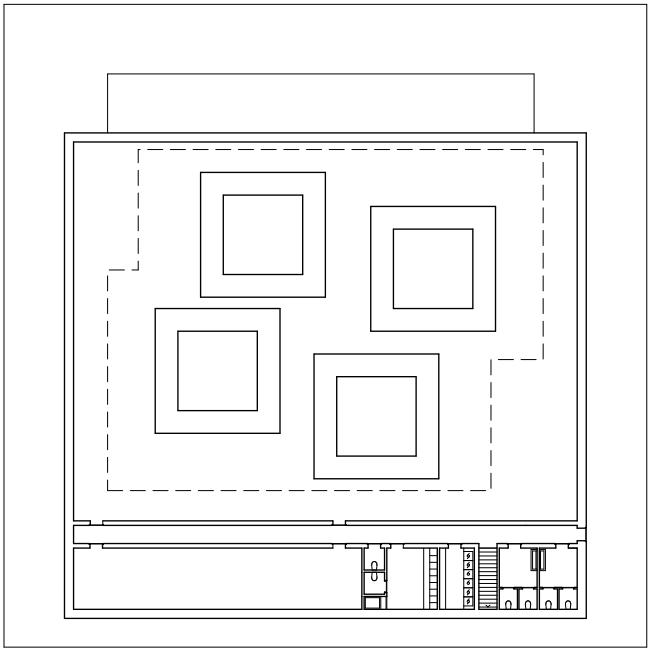
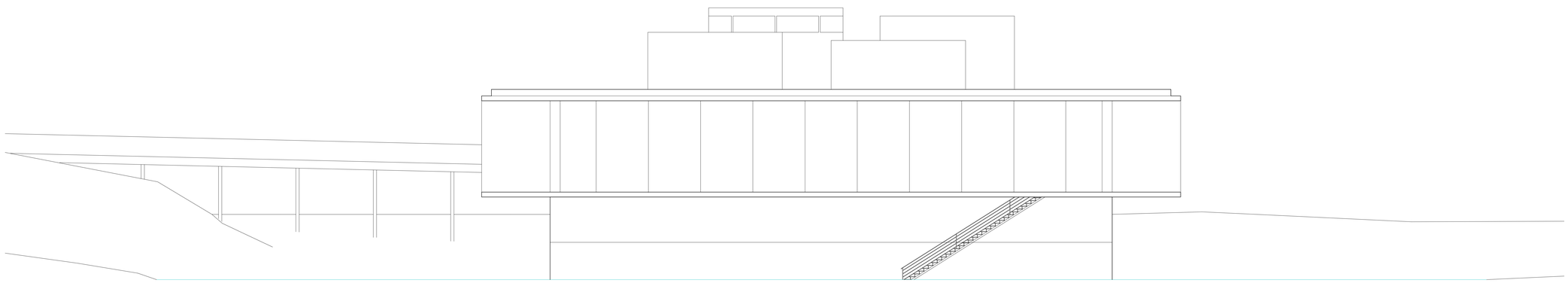
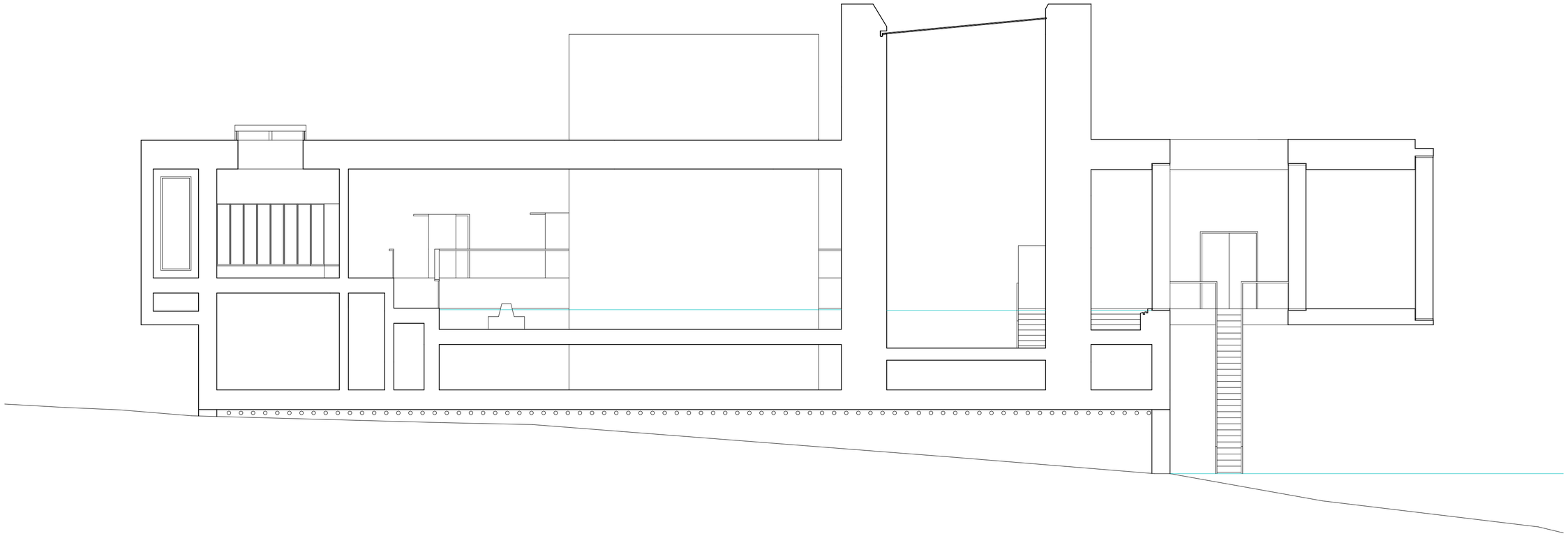
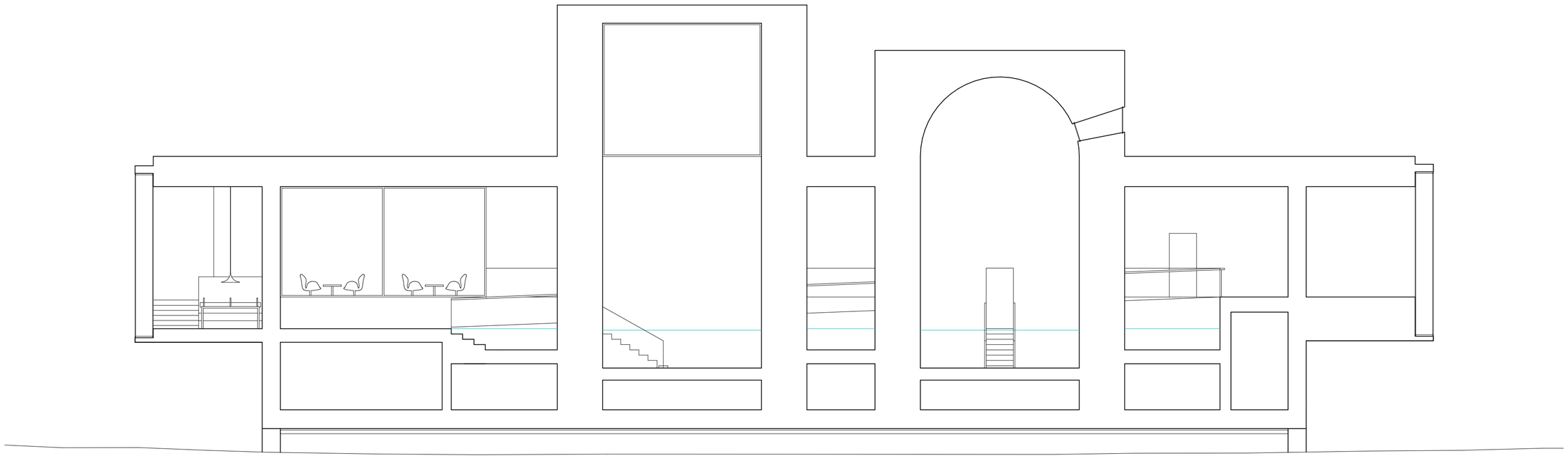


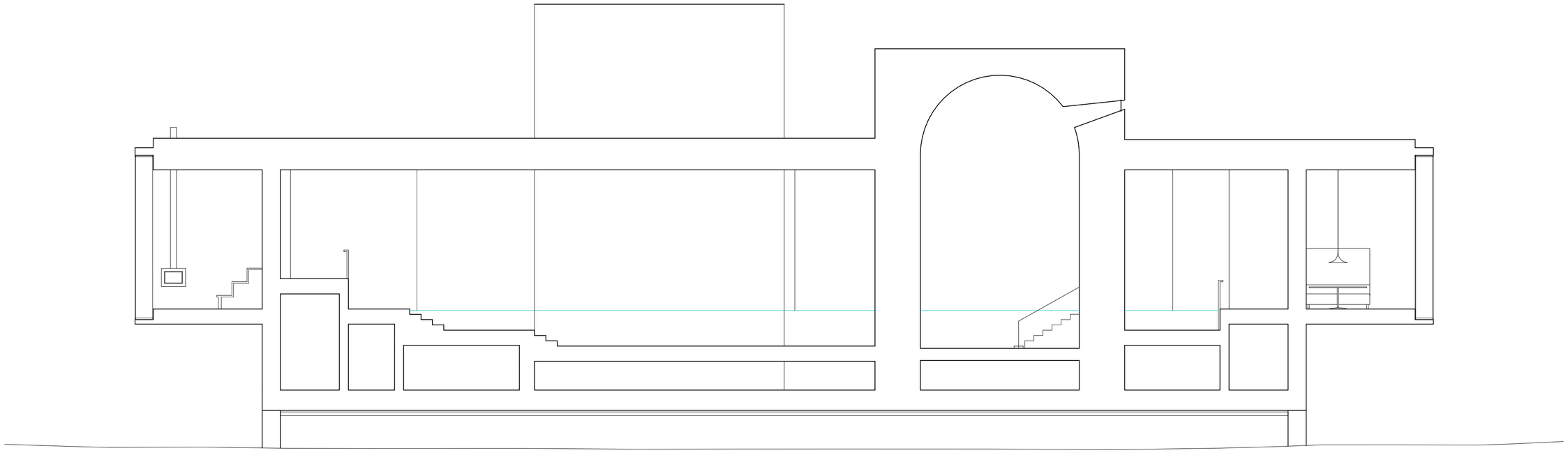


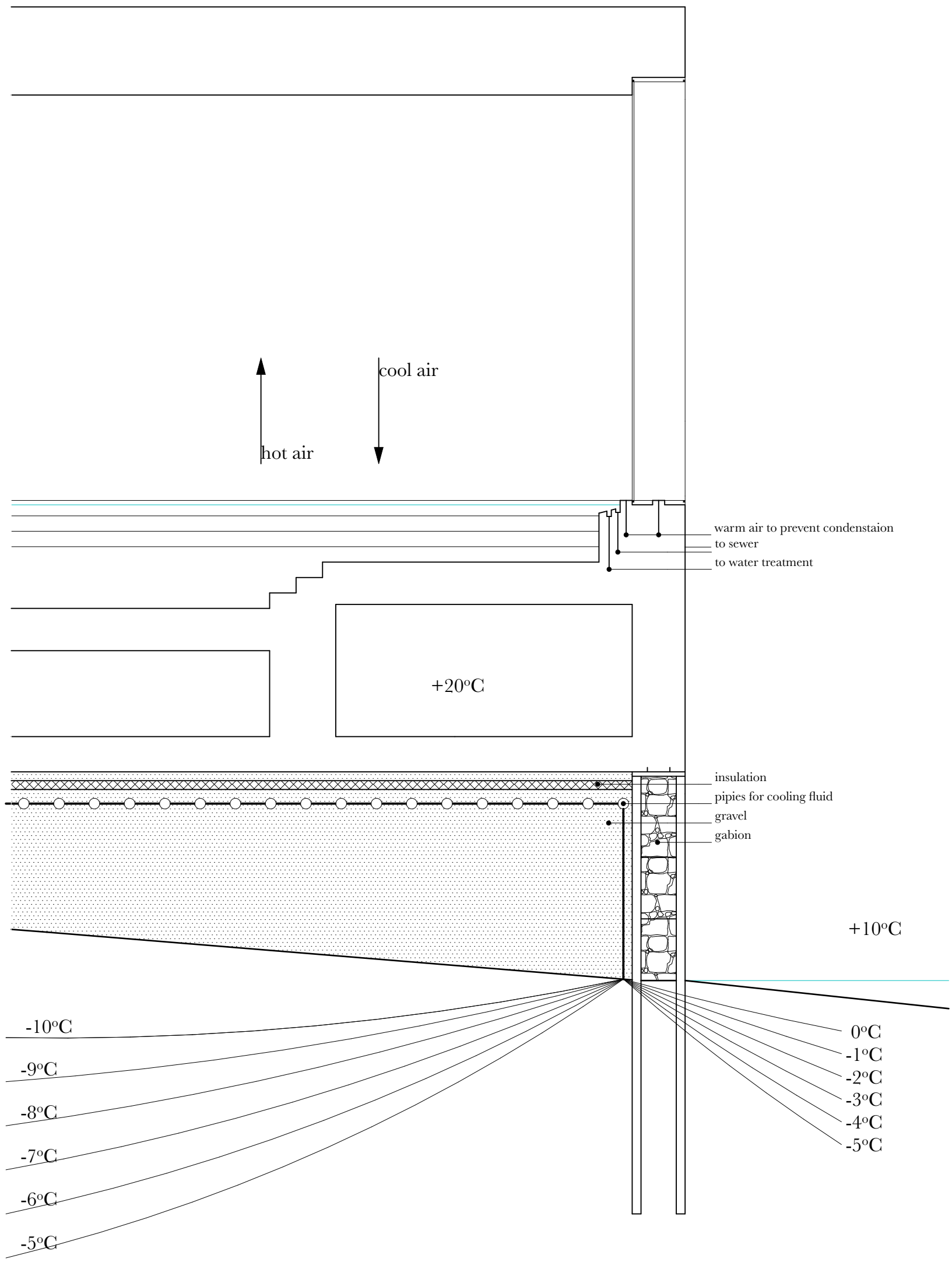


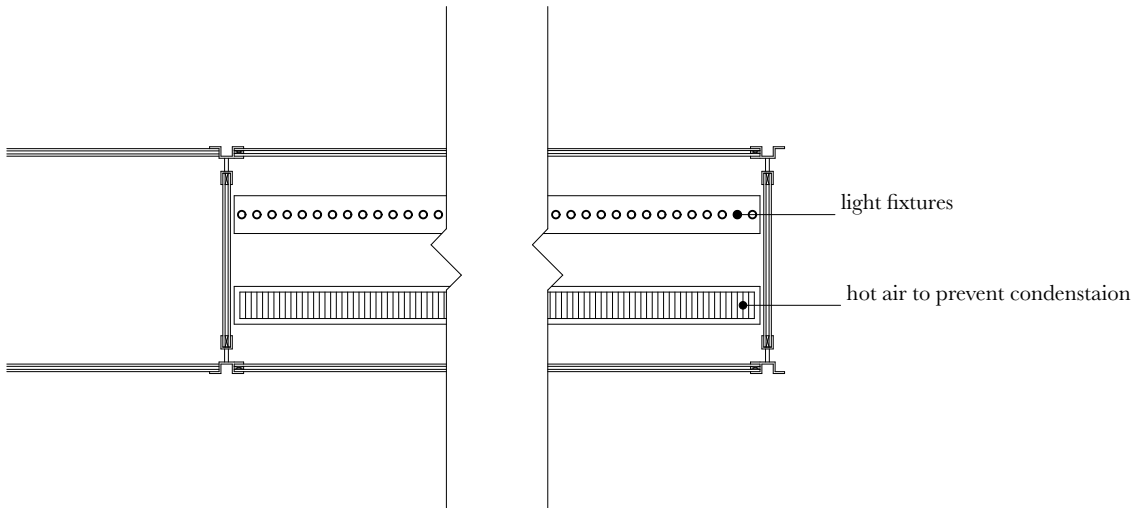


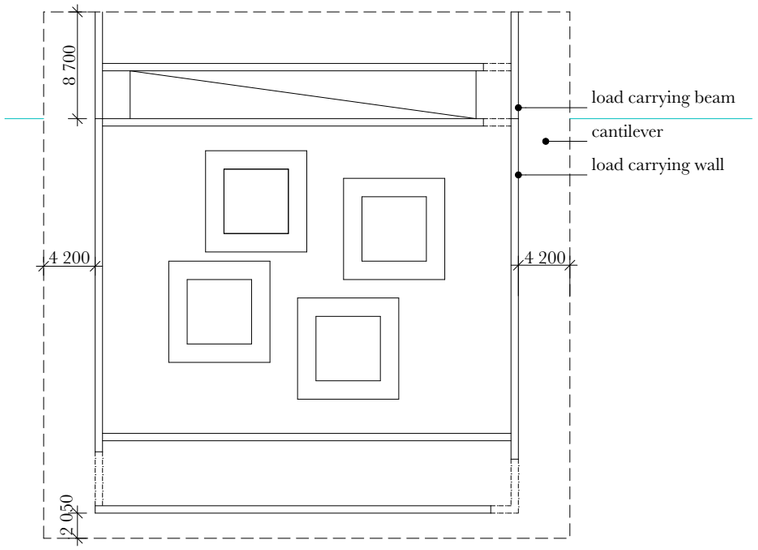


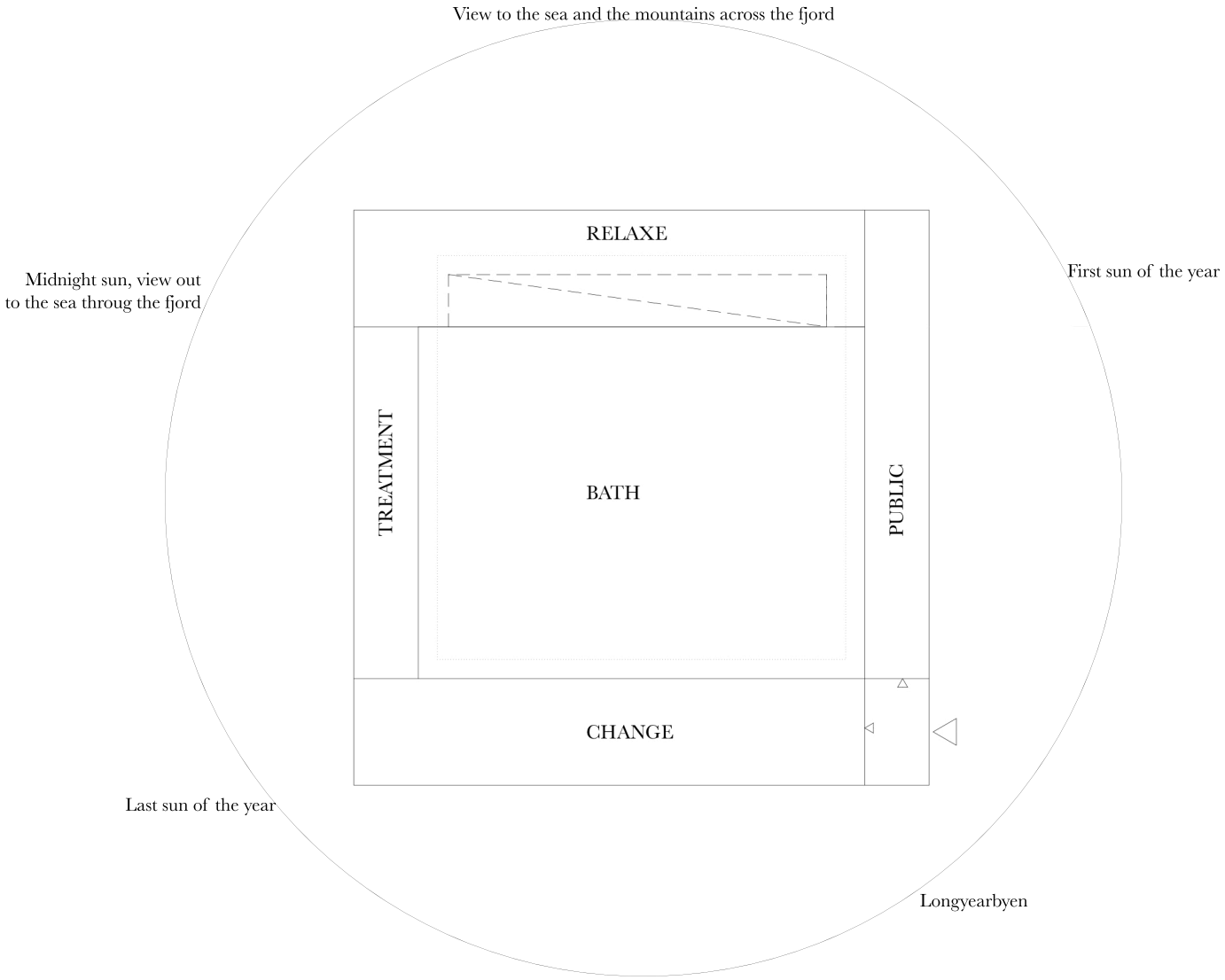


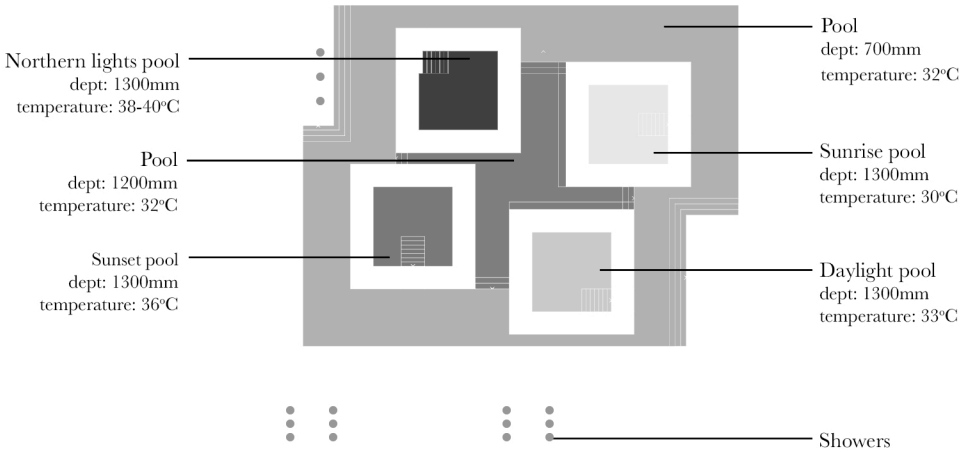


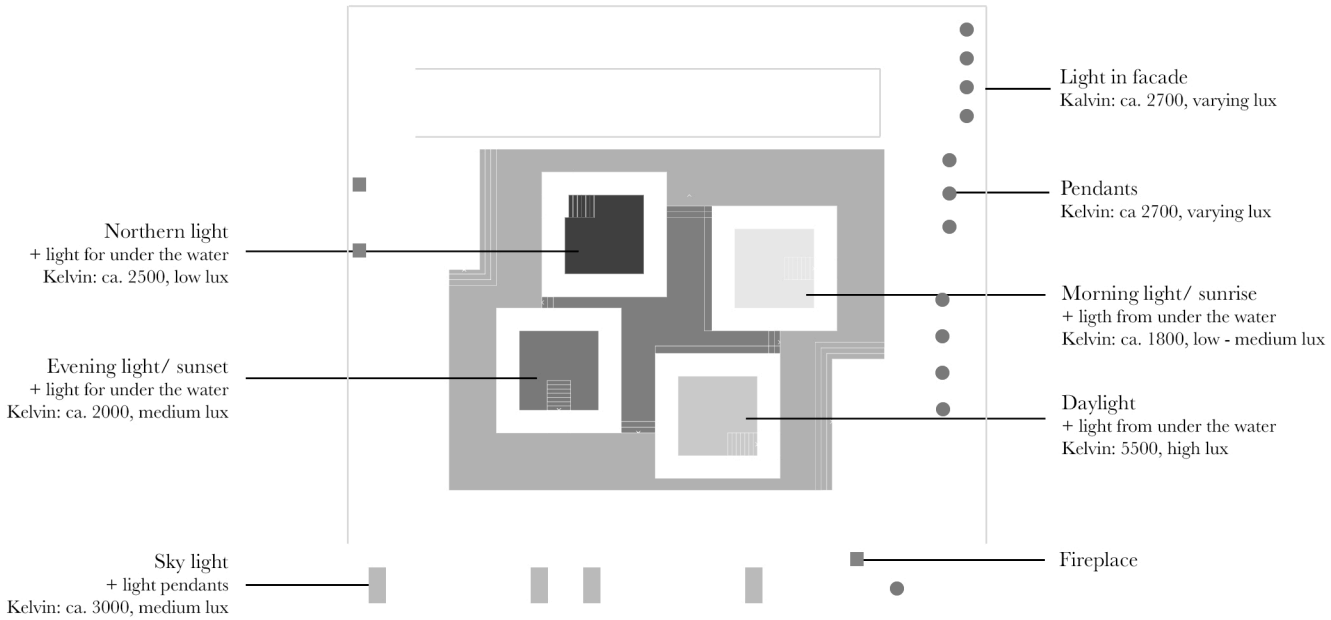

cool air
hot air
warm air to prevent condenstaion
to sewer
to water treatment
+20°C
insulation
pipies for cooling fluid
gravel
gabion
+10°C
-10°C
-9°C
-8°C
-7°C
-6°C
-5°C
0°C
-1°C
-2°C
-3°C
-4°C
-5°C


light fixtures
hot air to prevent condenstaion


8 700
load carrying beam
cantilever
load carrying wall
4 200
4 200
2 050


View to the sea and the mountains across the fjord
RELAXE
Midnight sun, view out
to the sea throug the fjord
First sun of the year
TREATMENT
BATH
PUBLIC
CHANGE
Last sun of the year
Longyearbyen


Northern lights pool
dept: 1300mm
temperature: 38-40ºC
Pool
dept: 1200mm
temperature: 32ºC
Sunset pool
dept: 1300mm
temperature: 36ºC
Pool
dept: 700mm
temperature: 32ºC
Sunrise pool
dept: 1300mm
temperature: 30ºC
Daylight pool
dept: 1300mm
temperature: 33ºC
Showers


Light in facade
Kalvin: ca. 2700, varying lux
Pendants
Kelvin: ca 2700, varying lux
Northern light
+ light for under the water
Kelvin: ca. 2500, low lux
Morning light/ sunrise
+ ligth from under the water
Kelvin: ca. 1800, low - medium lux
Evening light/ sunset
+ light for under the water
Kelvin: ca. 2000, medium lux
Daylight
+ light from under the water
Kelvin: 5500, high lux
Sky light
+ light pendants
Kelvin: ca. 3000, medium lux
Fireplace