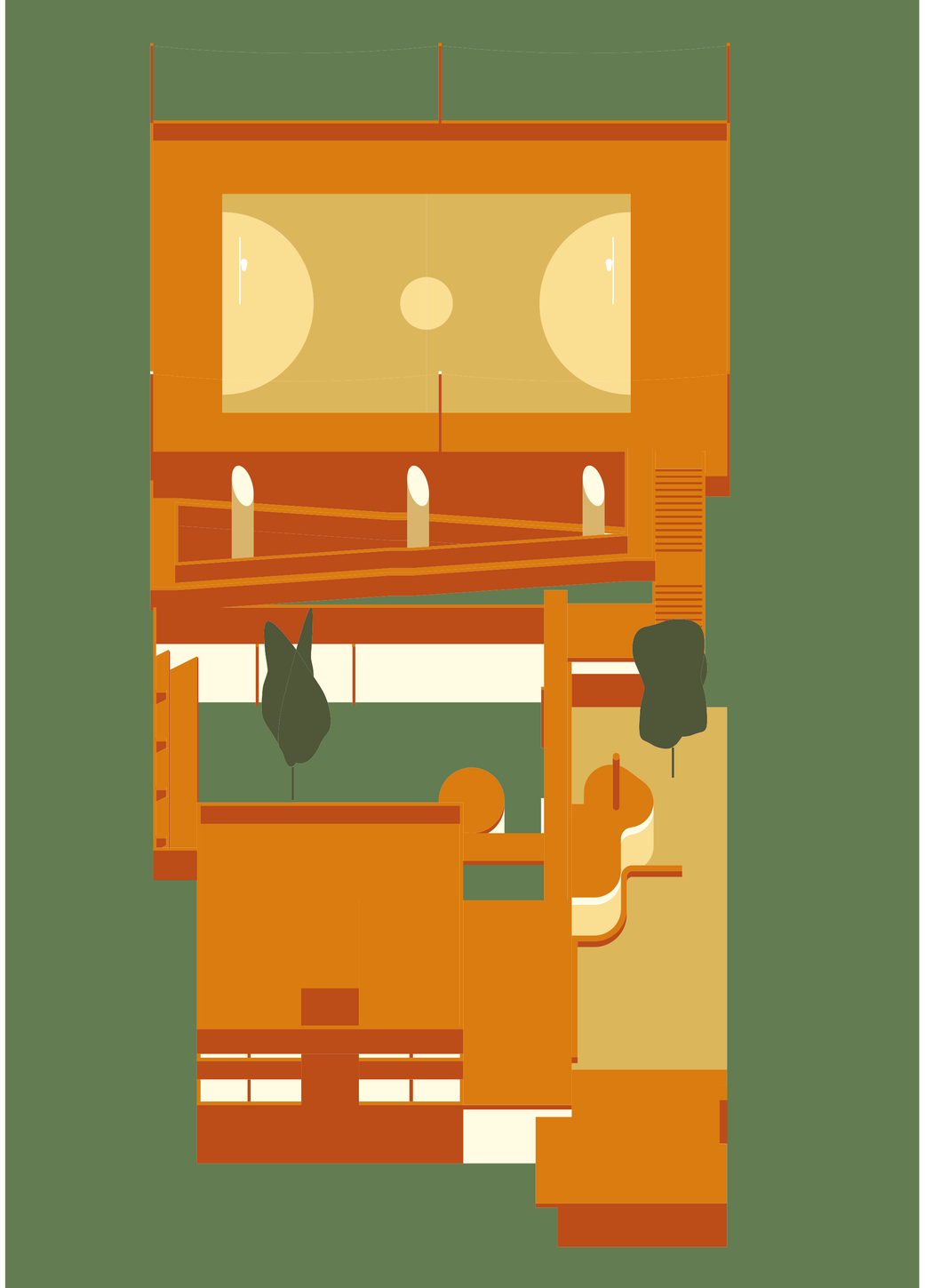
Proton Therapy center in Oslo

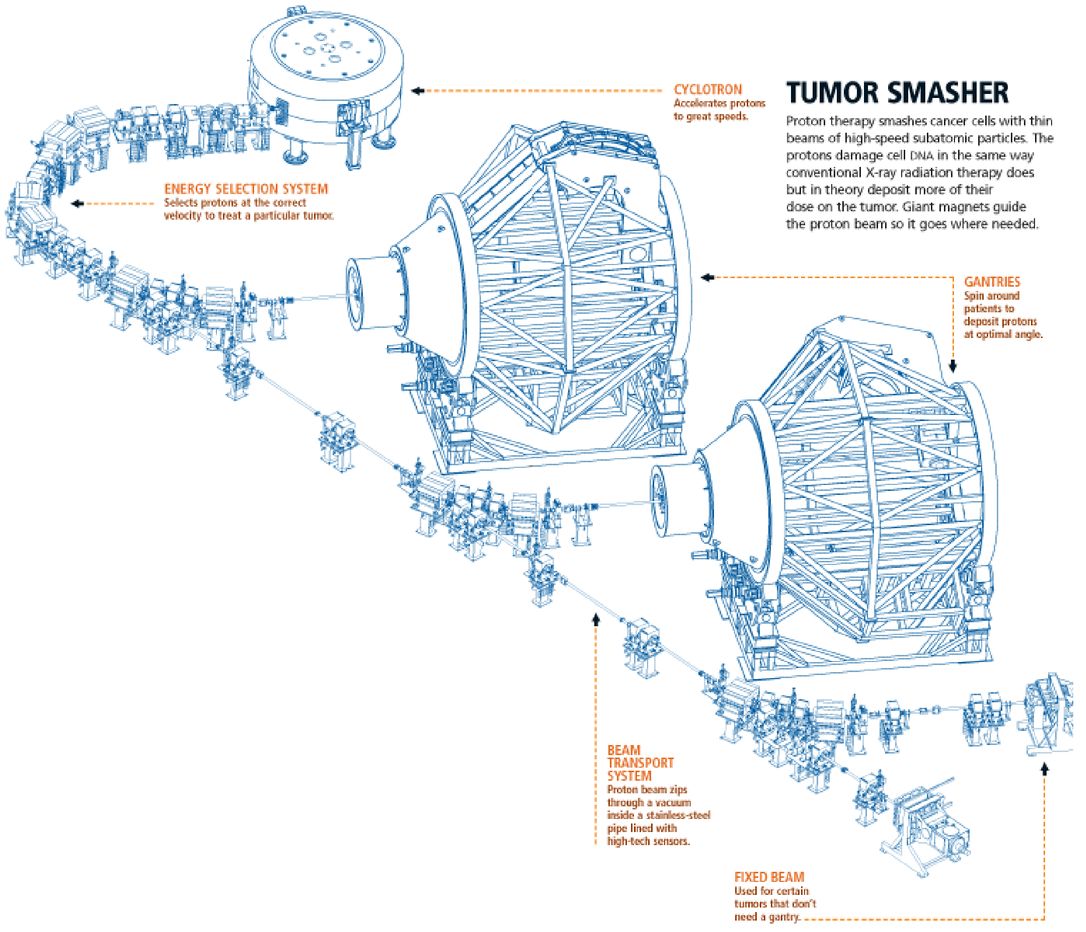
1)programme
-What is proton therapy?
-How does proton therapy work?
-Why did I chose this task?
-What are the requirements of the programme?

2)Site
- Alternative sites
-Proposed site
- Site analyzis

3)Process
-Process
-fields of interest

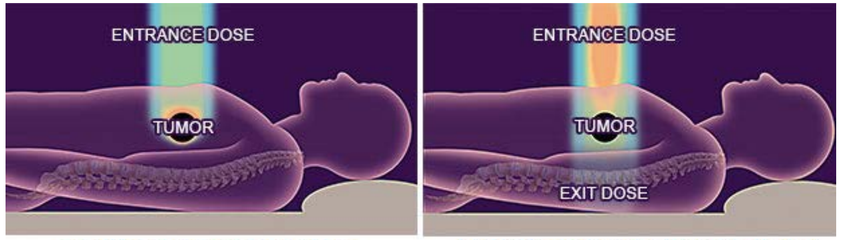
4) Proposal
-hovedgrep
-insomet





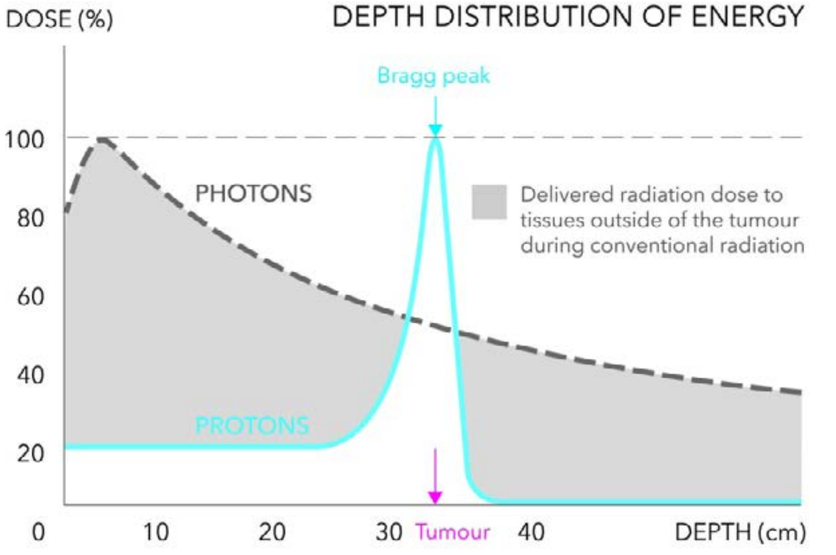
TUMOR SMASHER

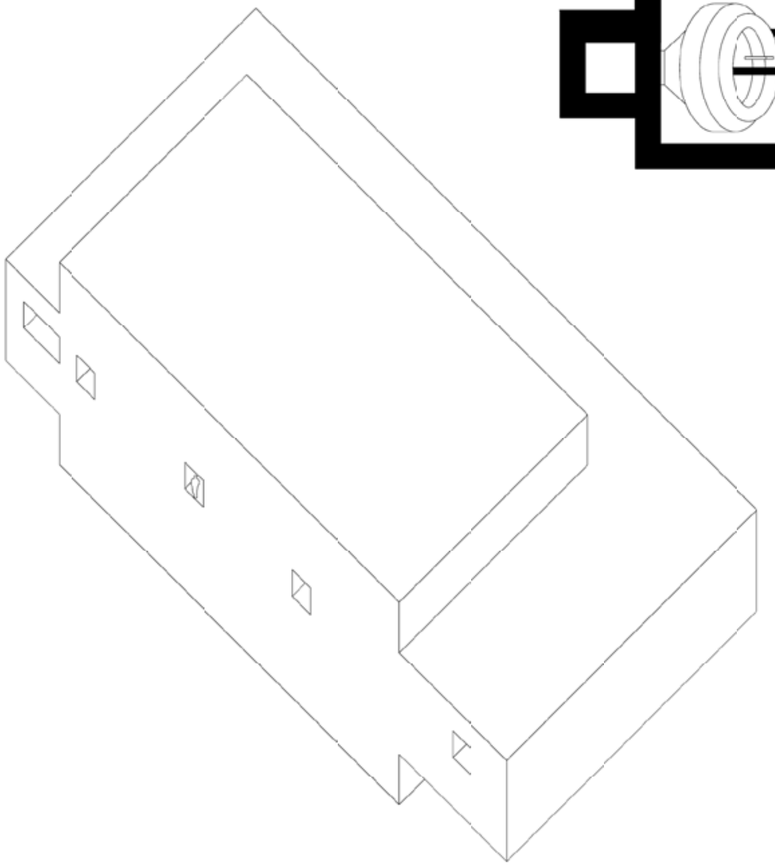
Proton therapy smashes cancer cells with thin beams of high-speed subatomic particles. The protons damage cell DNA in the same way conventional X-ray radiation therapy does but in theory deposit more of their dose on the tumor. Giant magnets guide the proton beam so it goes where needed.

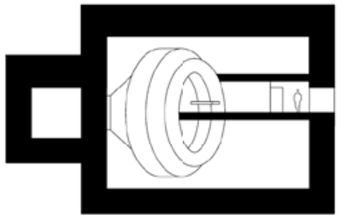


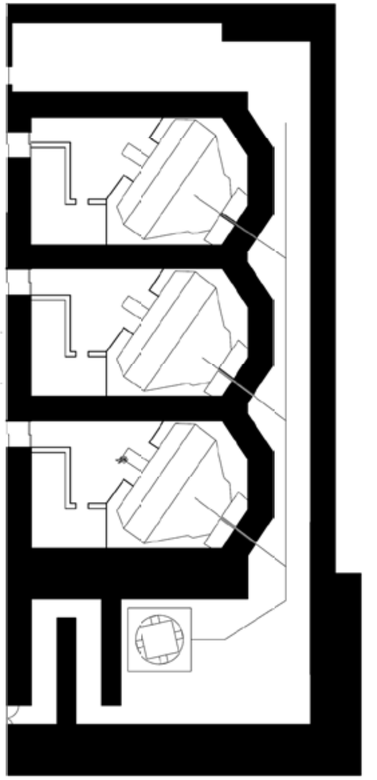
TARGETED PROTON THERAPY:
Deposits most energy on target

CONVENTIONAL RADIATION THERAPY:
Deposits most energy before target





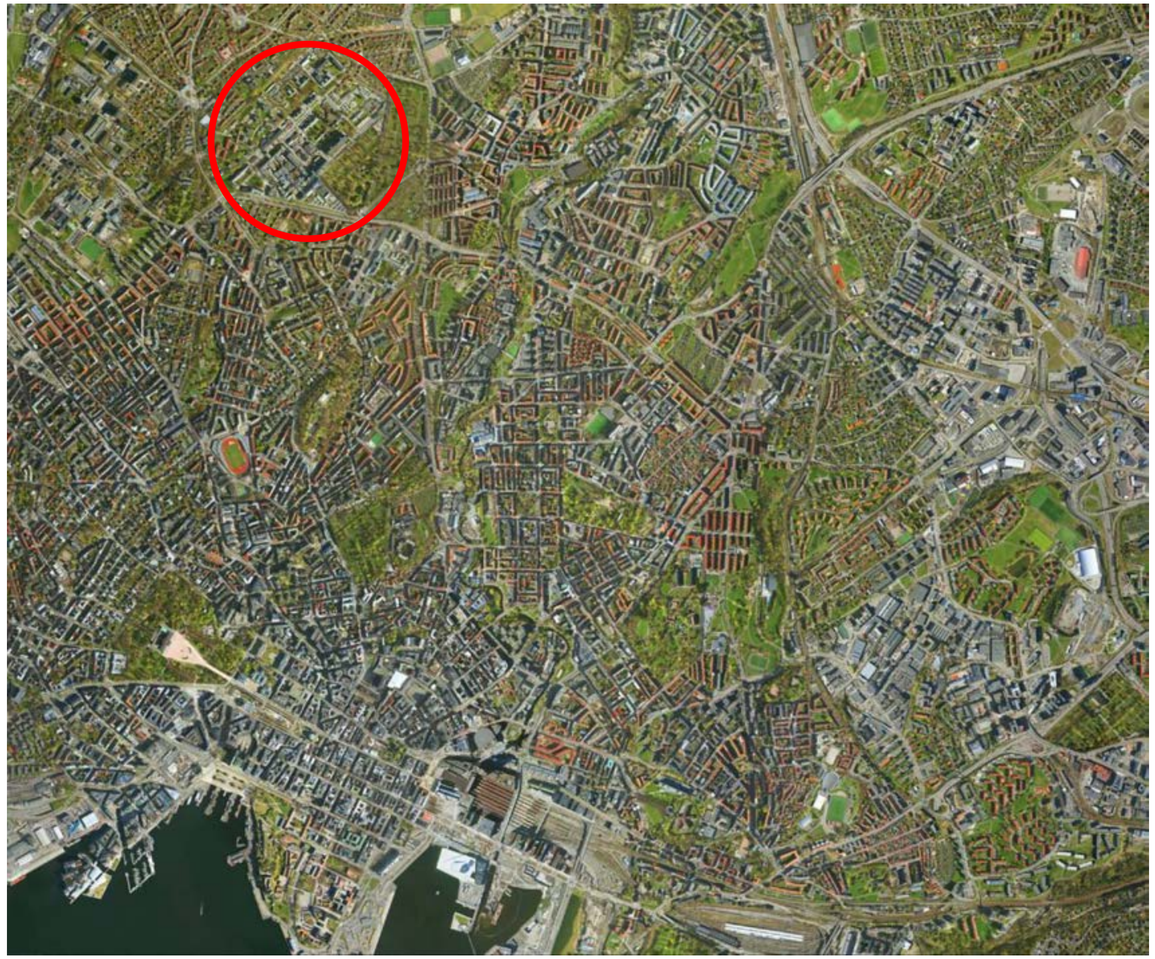


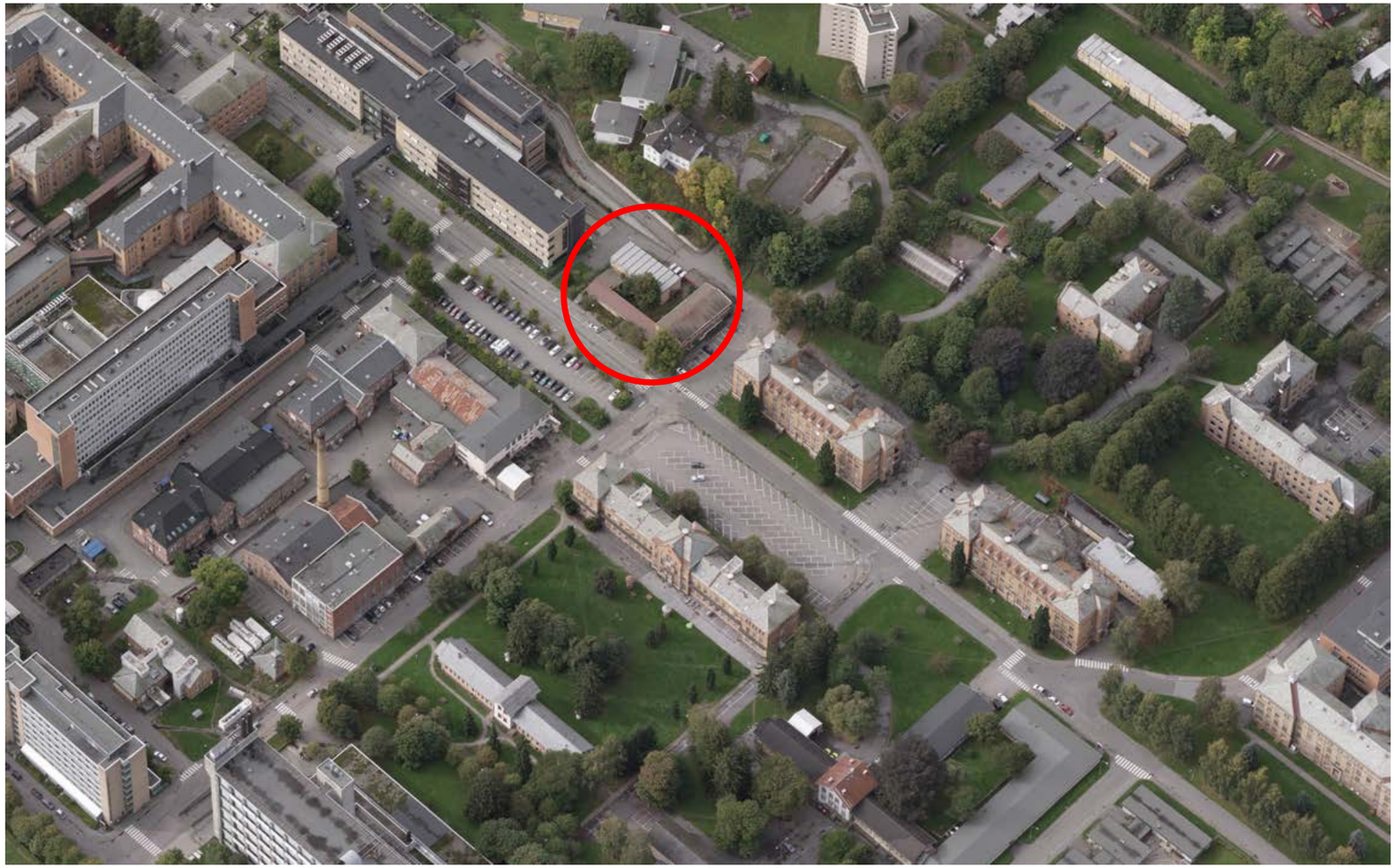


Rikshospitalet
Periurban

Radiumhospitalet
No free space

Ullevål
Urban qualities with space



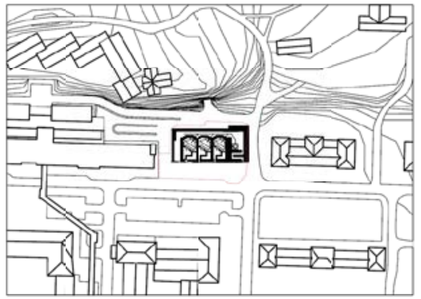


Patient hospital

cancer centre

Site defined by sorrunding roads

Machinery akwardly large on site

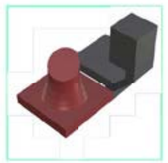


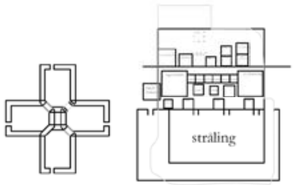
Machinery partyally buryed to fit

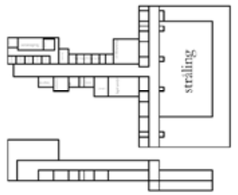
Sunken Courtyard established to let light down

programme arranged around the courtyard

programmefragmented to give it a human scale




stråling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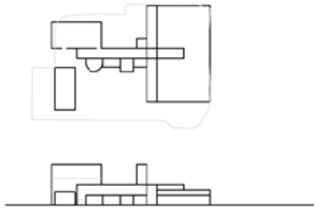
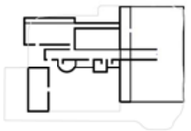
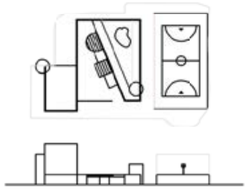
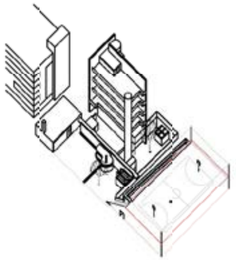




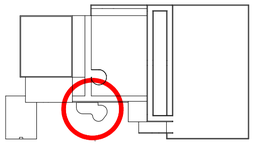


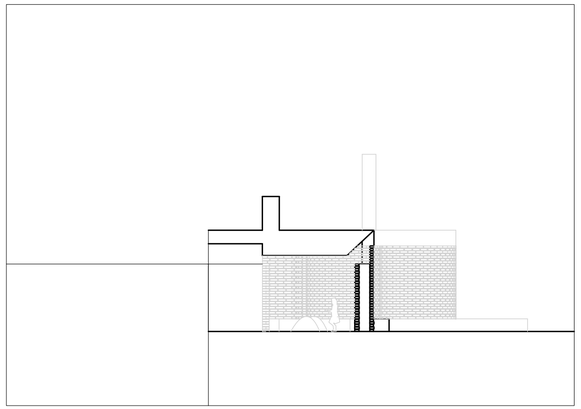


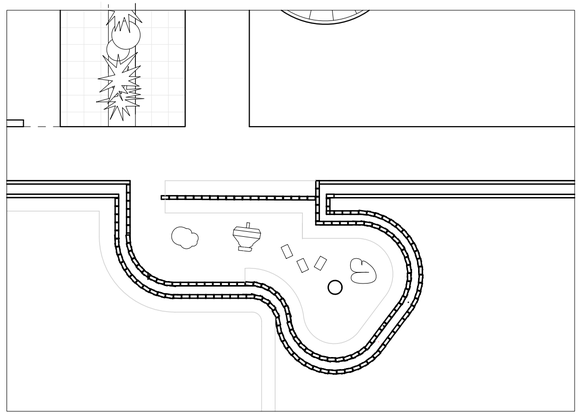
Staff circulation

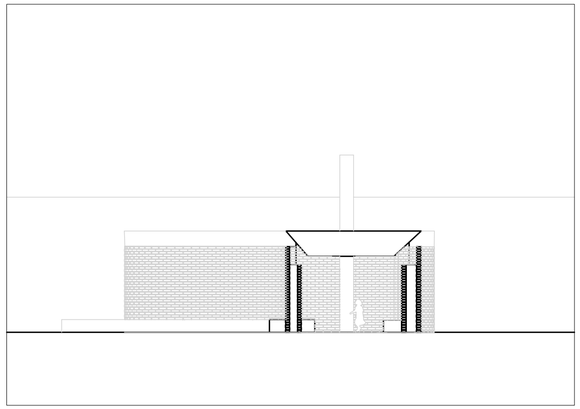
patient circulation

Play room

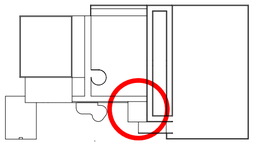


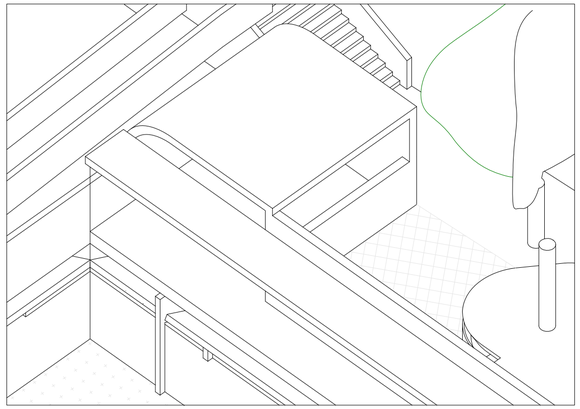


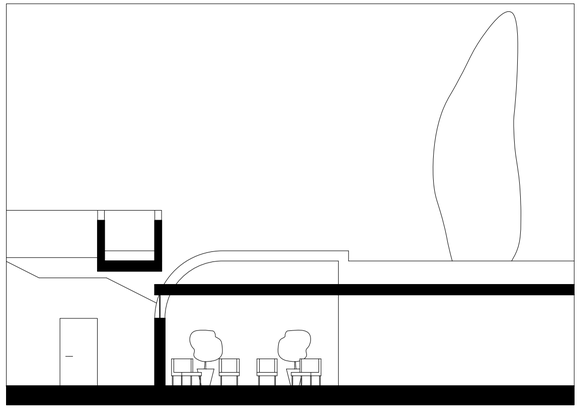


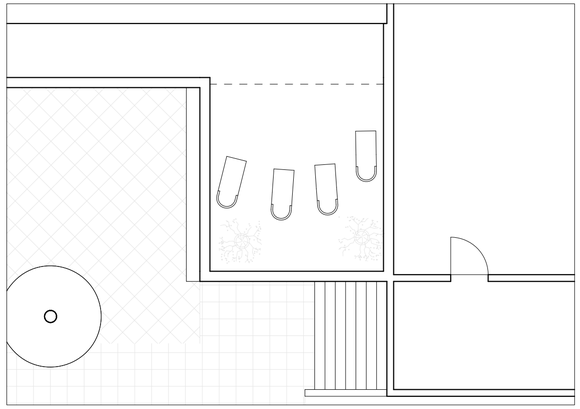


Quiet waiting area

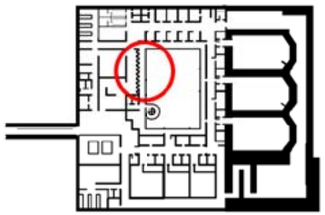


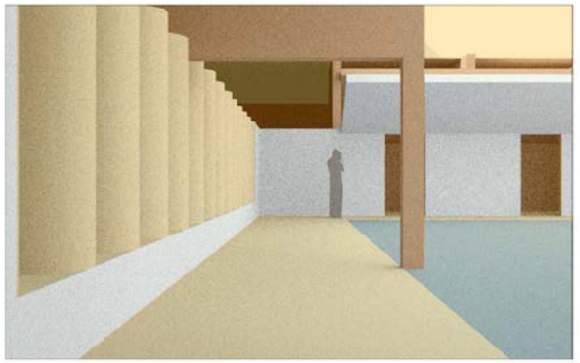


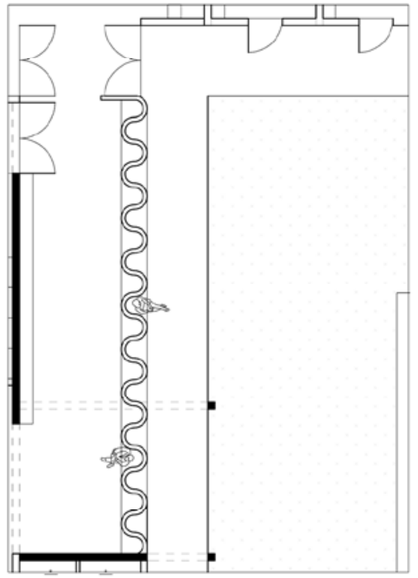


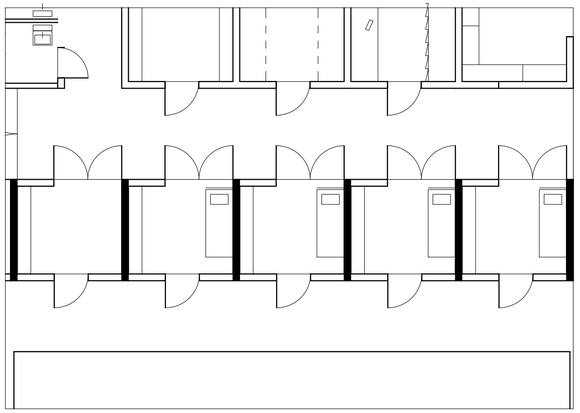


Patient Hall

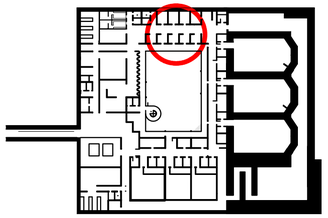


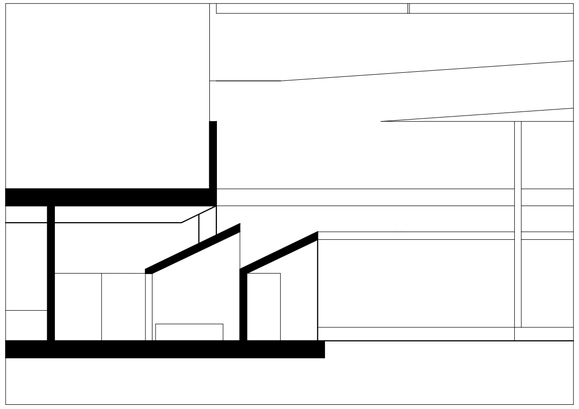


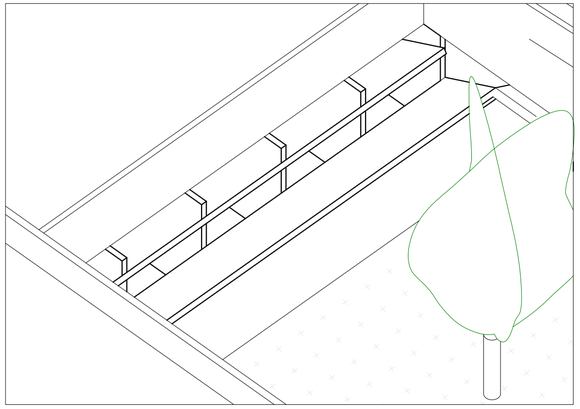




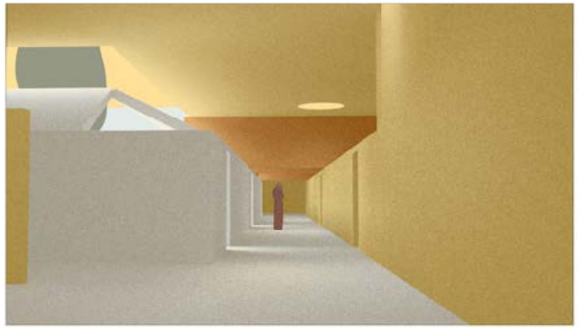
Narcosis
and wake up rooms

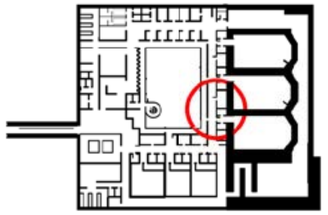


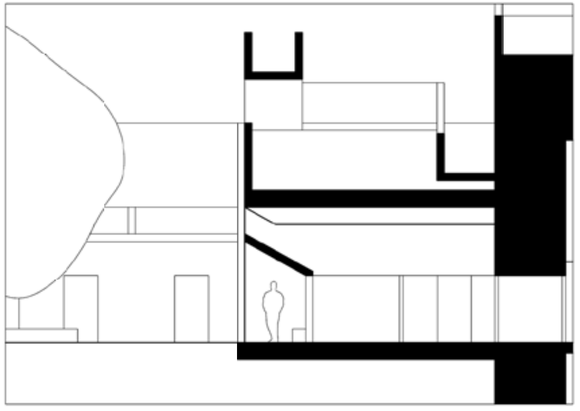


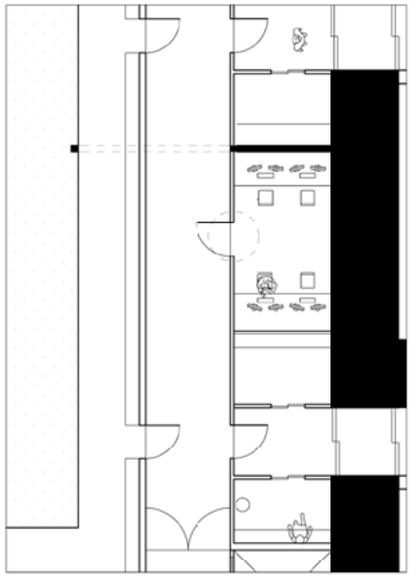


Service corridor









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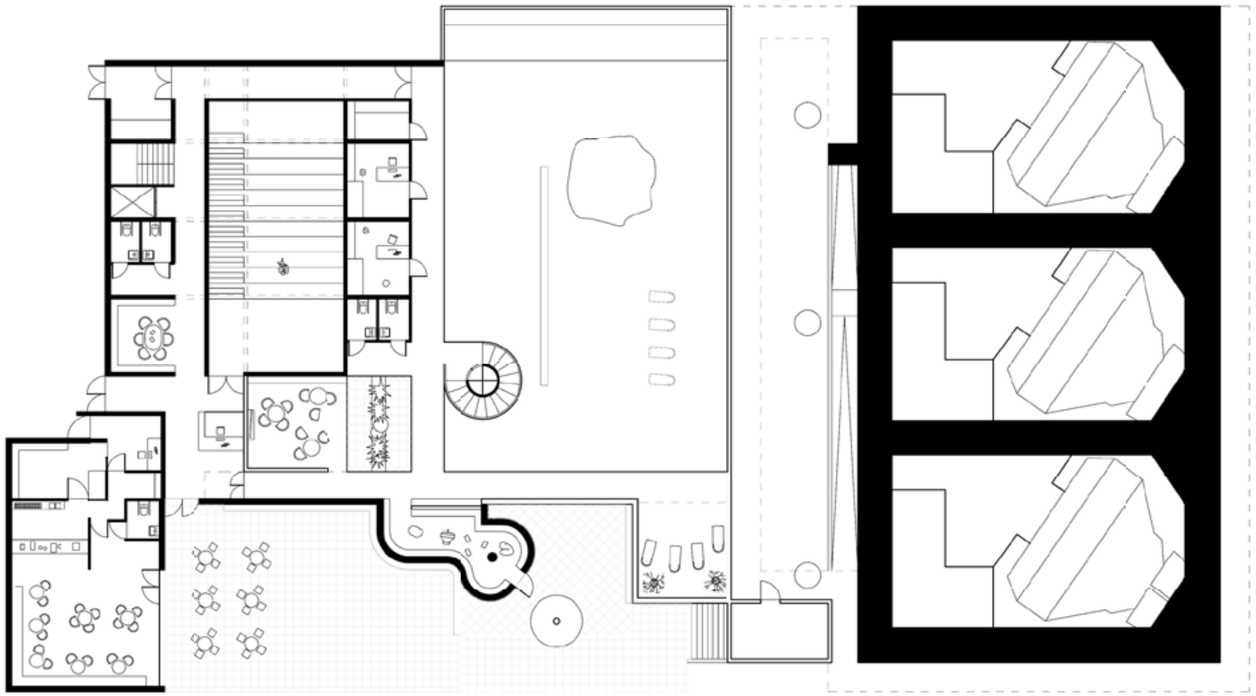

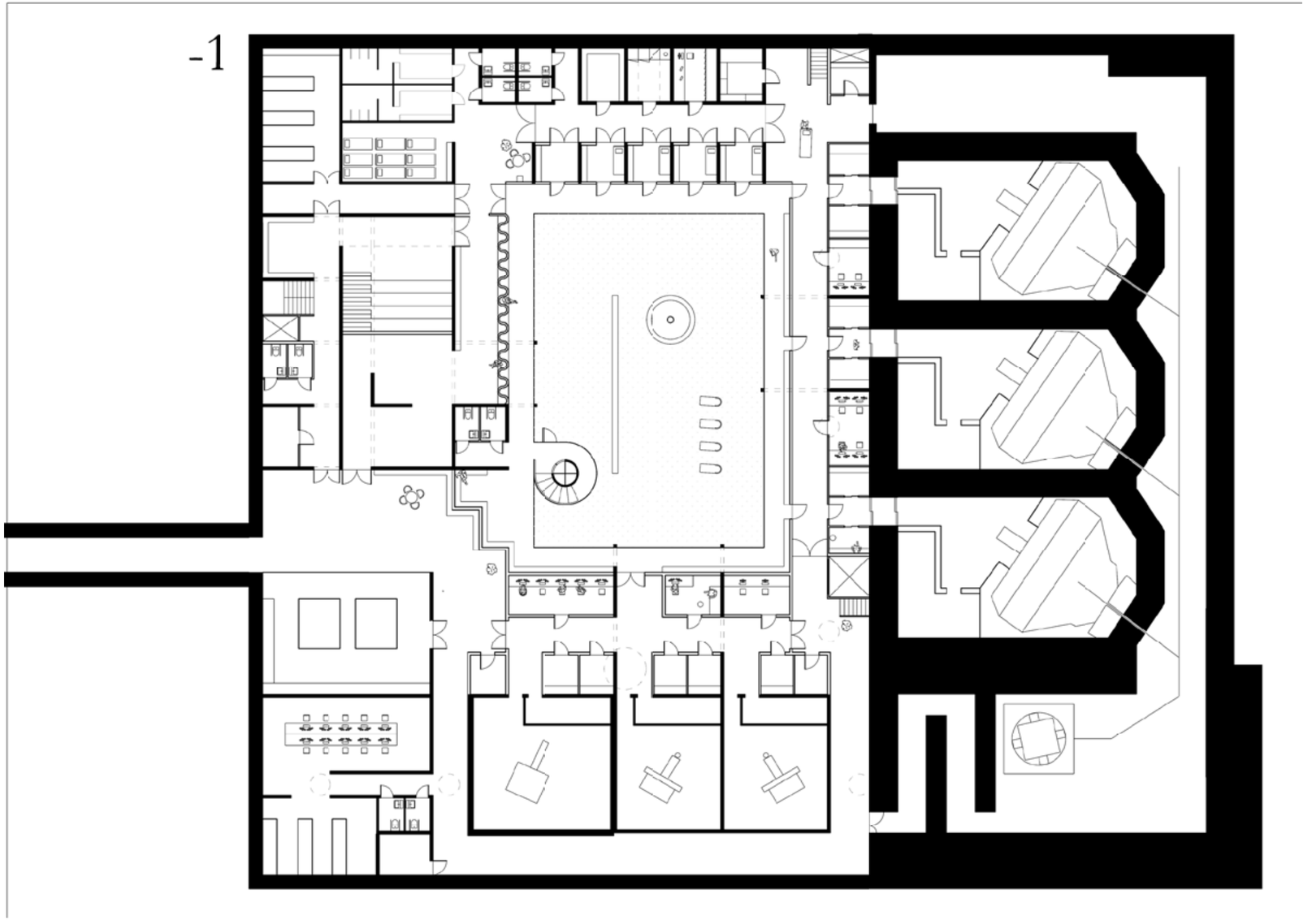
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