

Case Study 2
Circle Health's
Capital Programme



Foster + Partners

BWL

30 December 2011



Circle

Towards Intelligent Construction
Buildoffsite / RIBA

Mark Cammies
Property Director



Circle

What is Circle?

A Partnership of healthcare professionals, business people and clinicians who believe that there is a better way to deliver healthcare

New Build Private Hospitals

Strategic aim to build at least 25 new hospitals over the next 5 years.

NHS Hospitals

Selected to run the first “franchise” of an NHS General Hospital in Hinchingbrooke.

NHS Treatment Centres

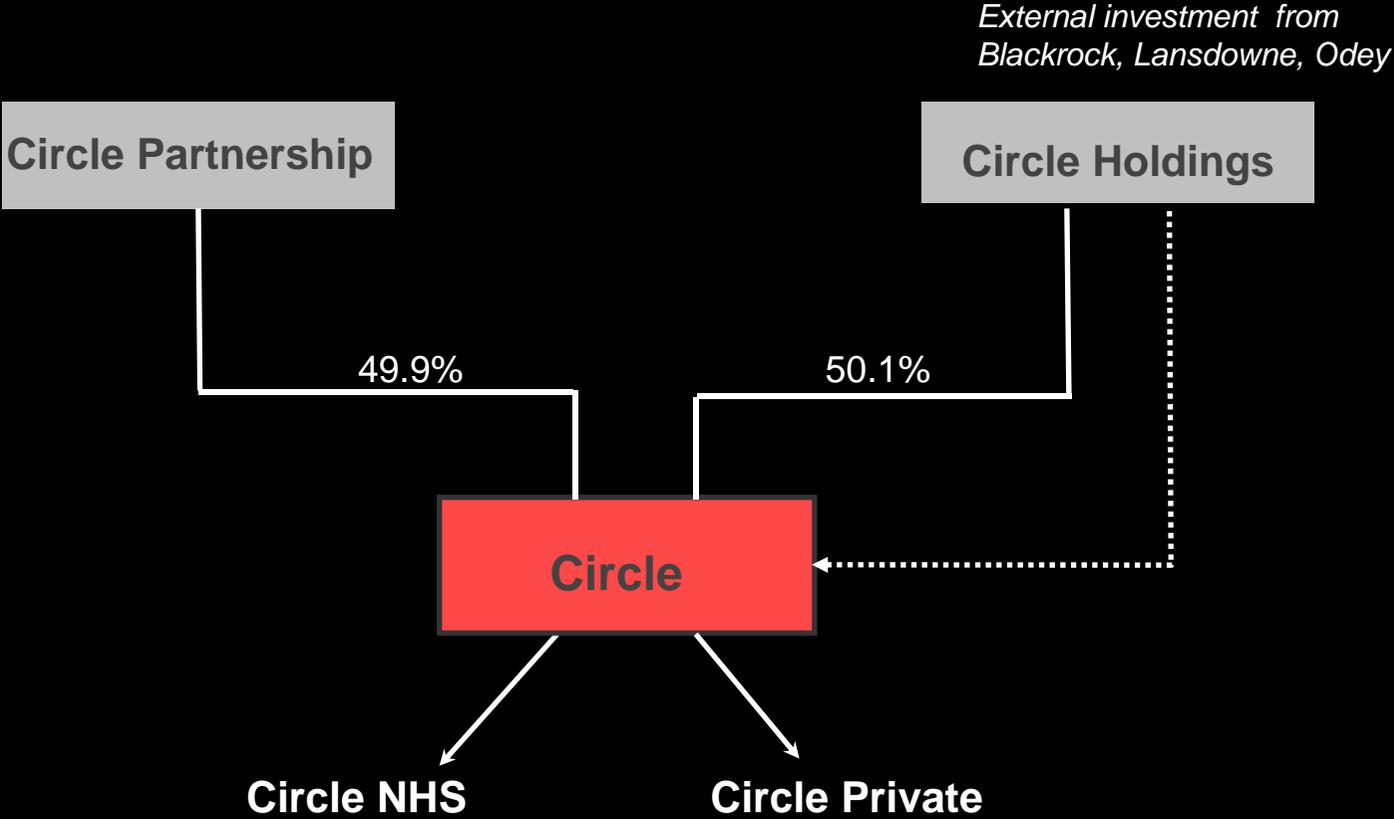
In Nottingham, we operate the largest patient volume treatment centre in Europe

Other NHS

Involved in bidding & running of various NHS services - e.g. orthopaedic



Circle Structure



Circle Vision For New Build Hospitals

- To create great public buildings in each local community location
- The facility should give a class leading patient experience
- Challenge the norms on current healthcare design and operational efficiency
- Our clinical partners should be integral to design development
- Construction programme and build costs should break current health sector standards

.....5 star standards, without 5 star costs!



The HP Way – Design Platform

- The development of our “production principles”
- Appointment of BWA to drive through component design
- Establishment of the implementation model of component design, combined with signature architecture – Fosters, Hopkins
- Announcement of the target of achieving 40% cost and programme savings (like for like) against the Bath project
- Target of achieving 80% offsite manufacture and repeatable elements



The Circle Future

- To achieve a construction cost run rate cost of below £2000 per sqm for the Circle “standard” of hospitals
- To achieve programme delivery timescales of 50 weeks or below
- Apply the implementation methodology to our NHS requirements
- Fully land our technology and design platforms
- Ensure the implementation process remains class leading
- Review the application of the delivery model to international markets



CircleBath

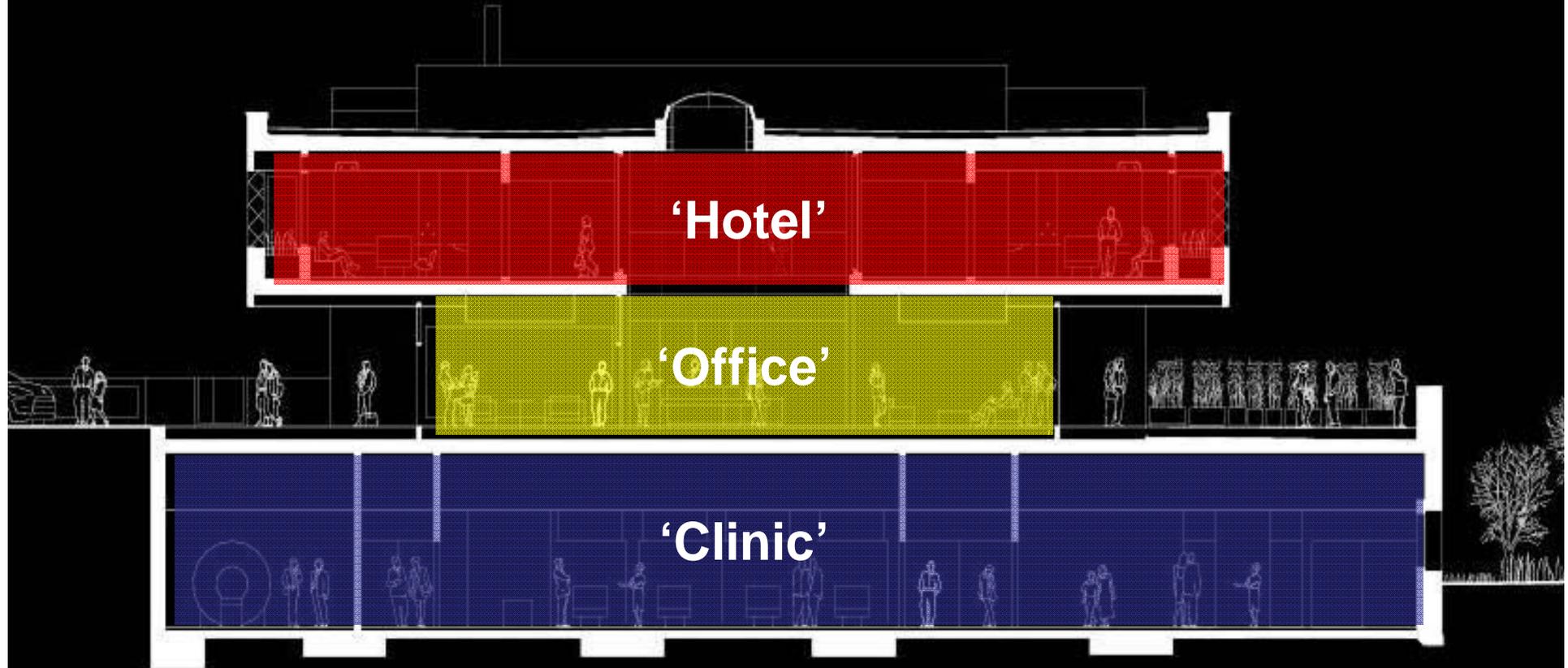
Darron Haylock
Foster + Partners



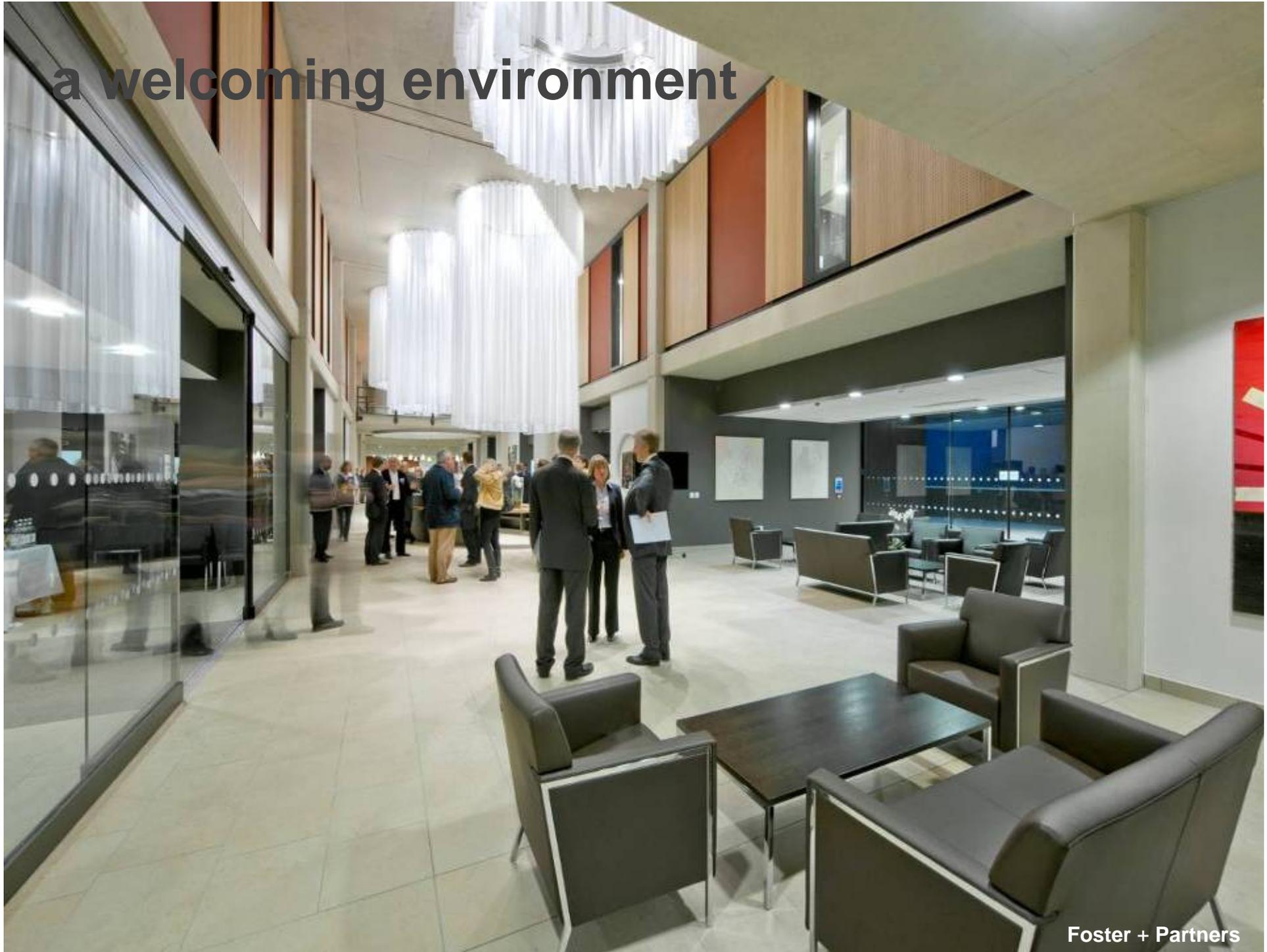
super compact / cost efficient



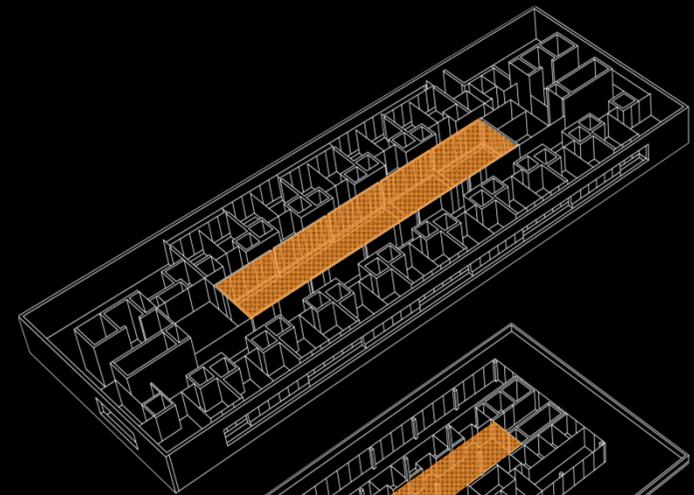
building diagram



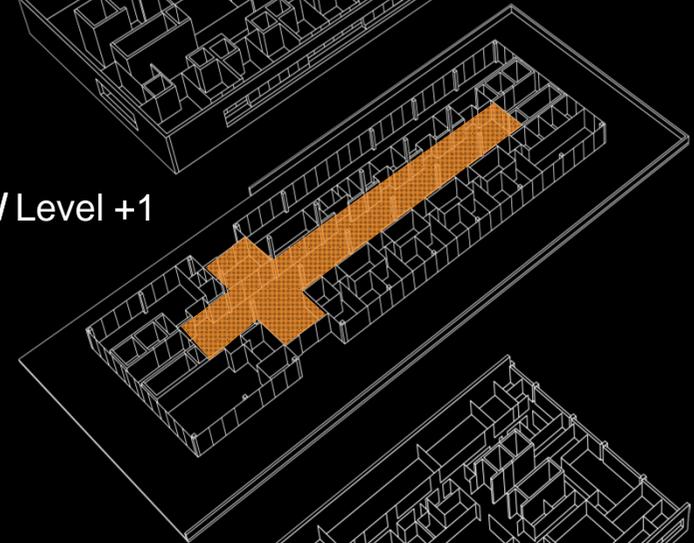
a welcoming environment



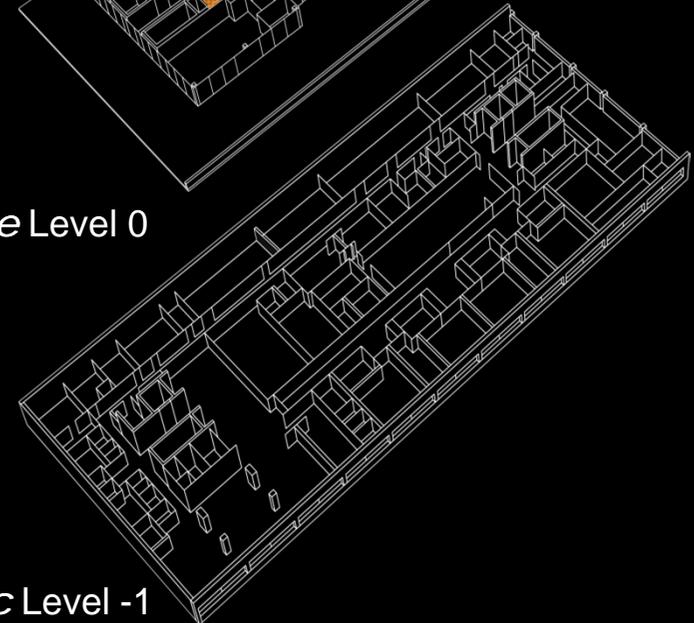
central focus



Hotel Level +1

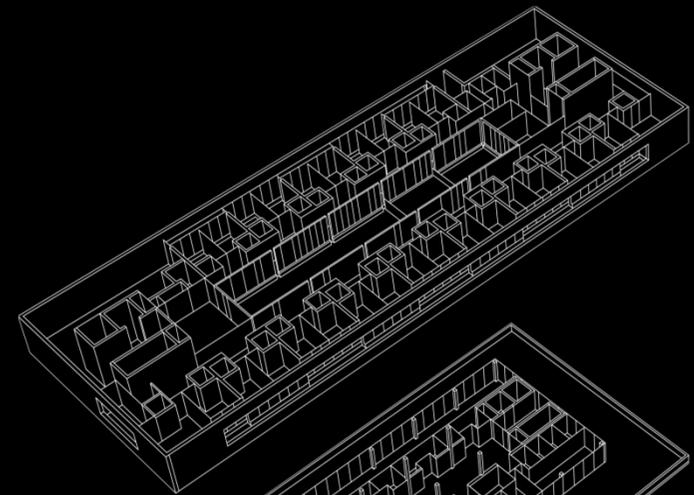


Office Level 0

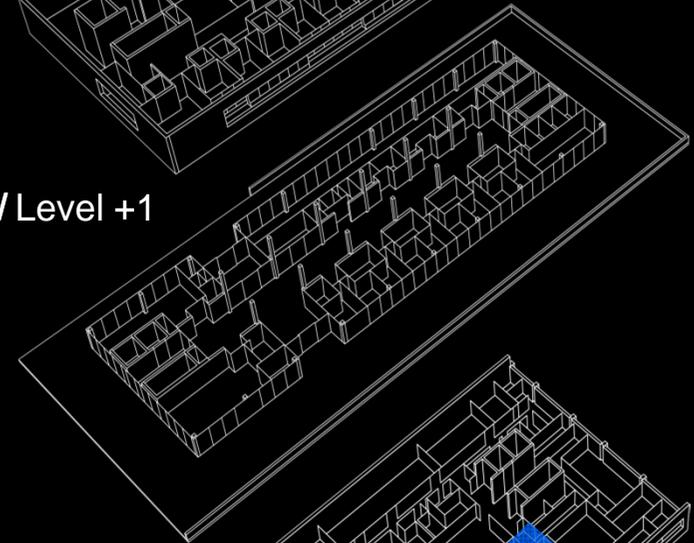


Clinic Level -1

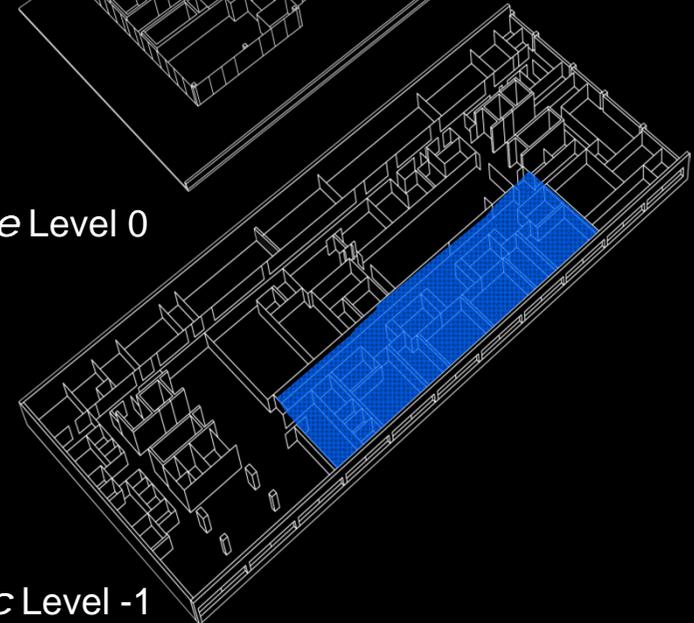
operating theatres



Hotel Level +1

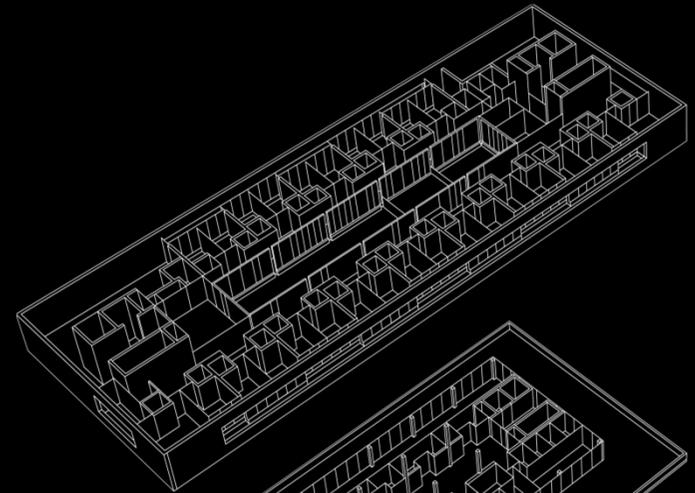


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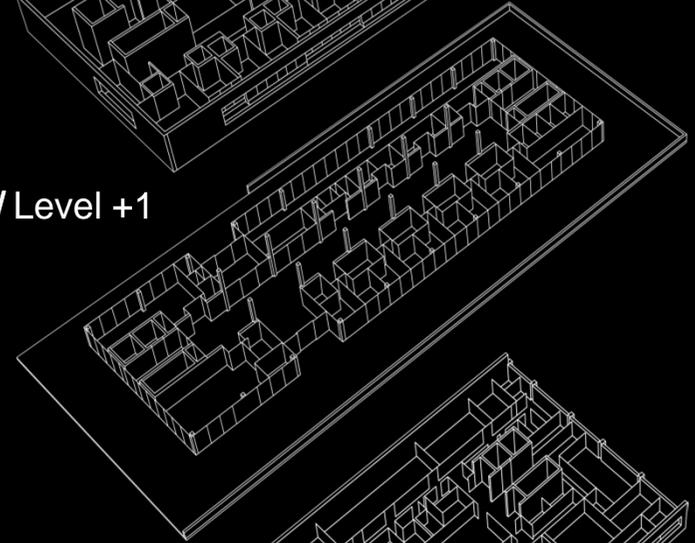


Clinic Level -1

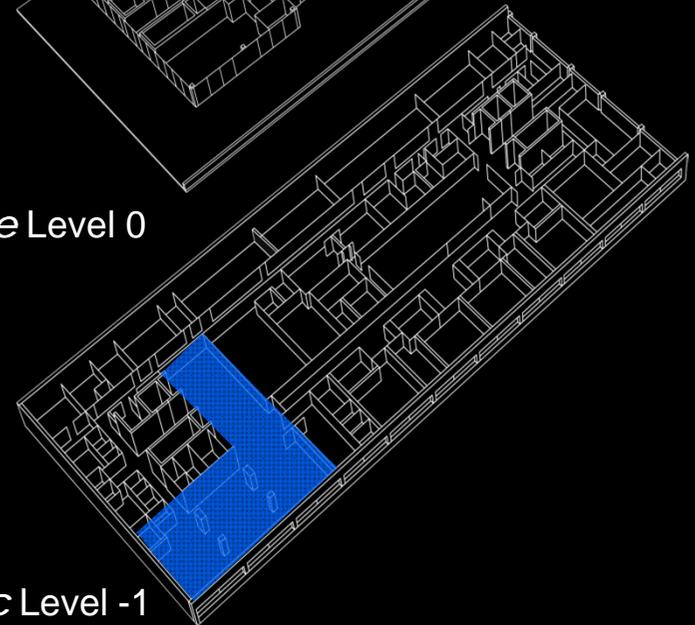
daycase



Hotel Level +1

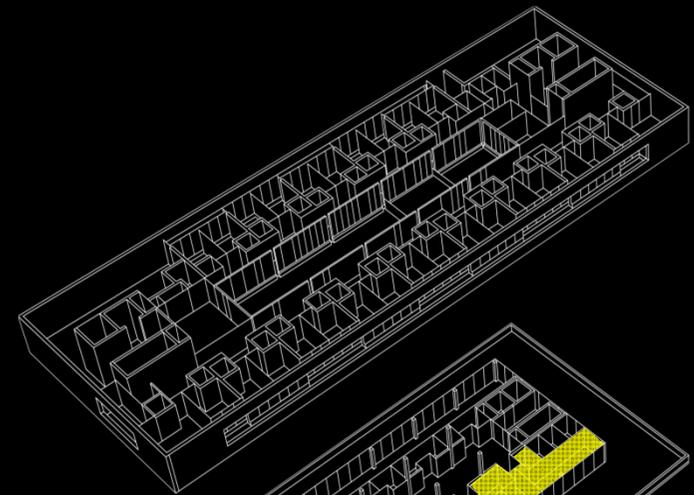


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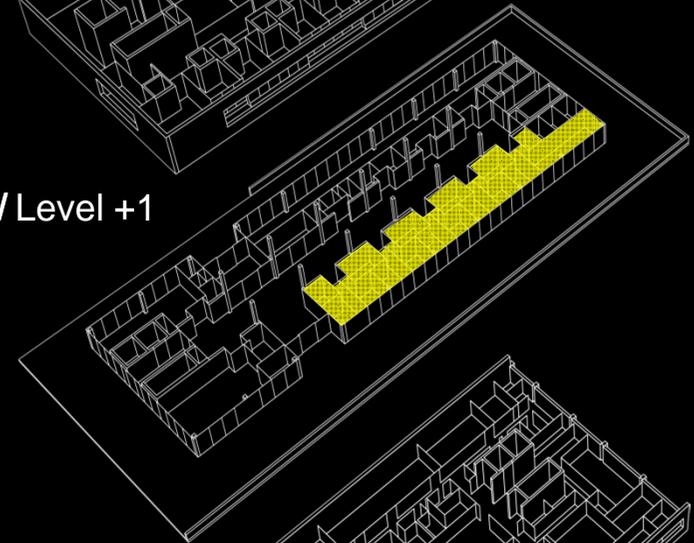


Clinic Level -1

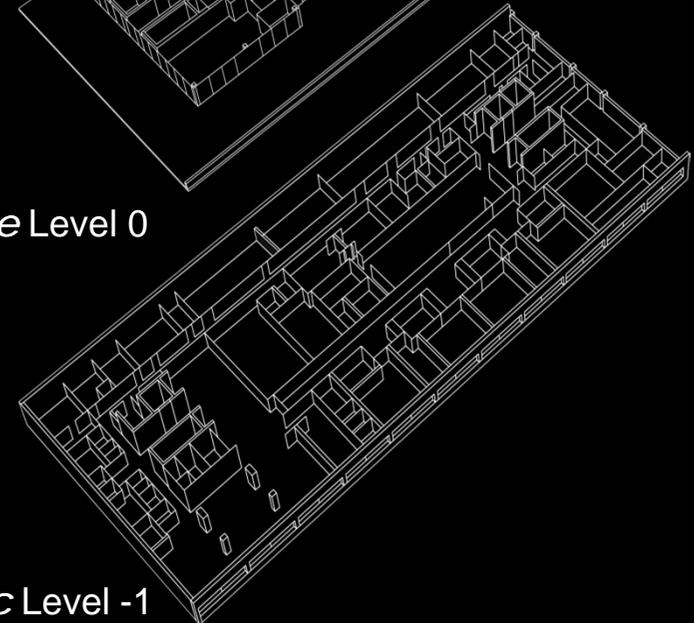
outpatient consultations



Hotel Level +1

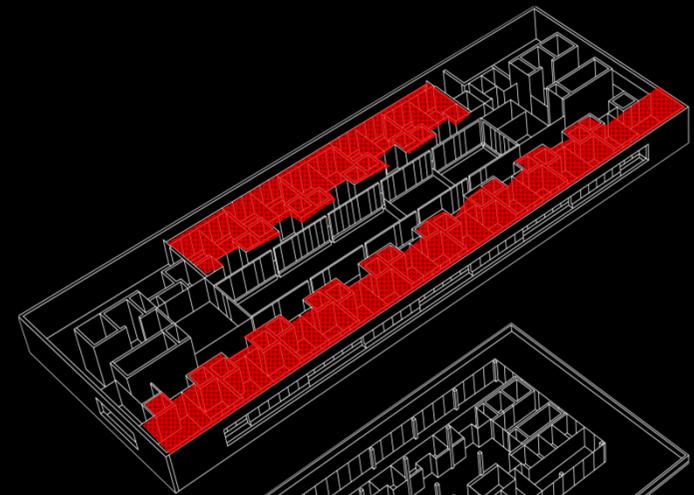


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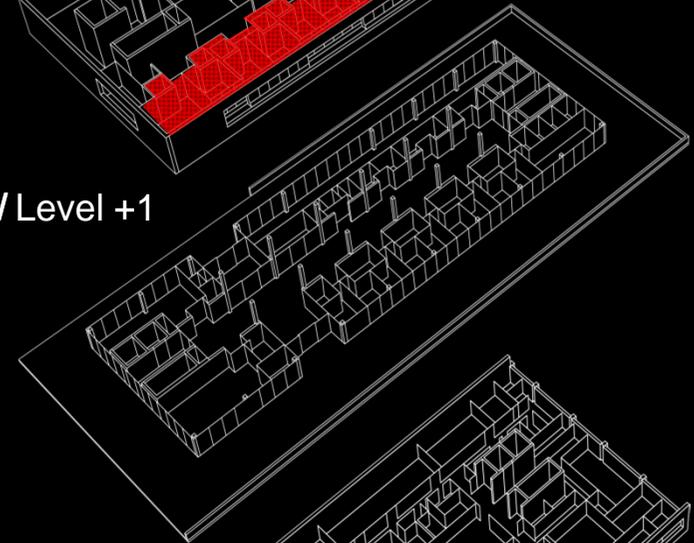


Clinic Level -1

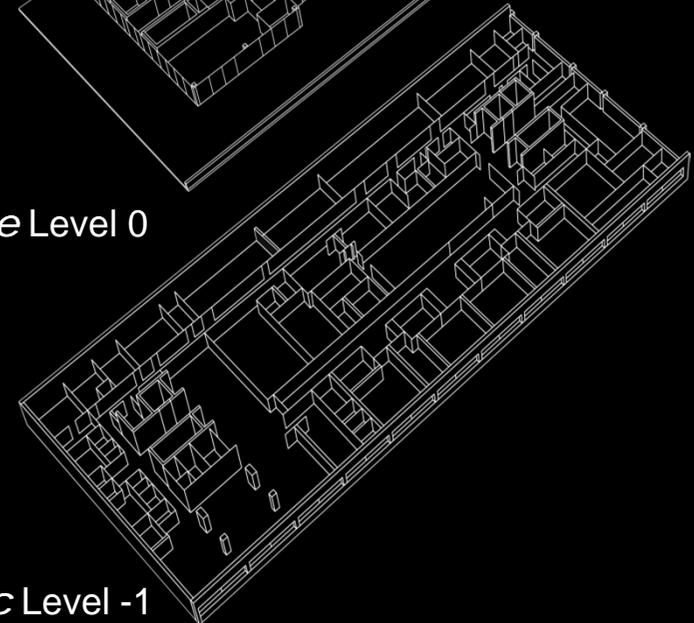
inpatient bedrooms



Hotel Level +1



Office Level 0



Clinic Level -1

5 star service



patient feedback

“Beautiful place, very friendly people”

“This hospital is a wonderful step forward for the future”

“Great surroundings and building”

“Interior 5 star environment”

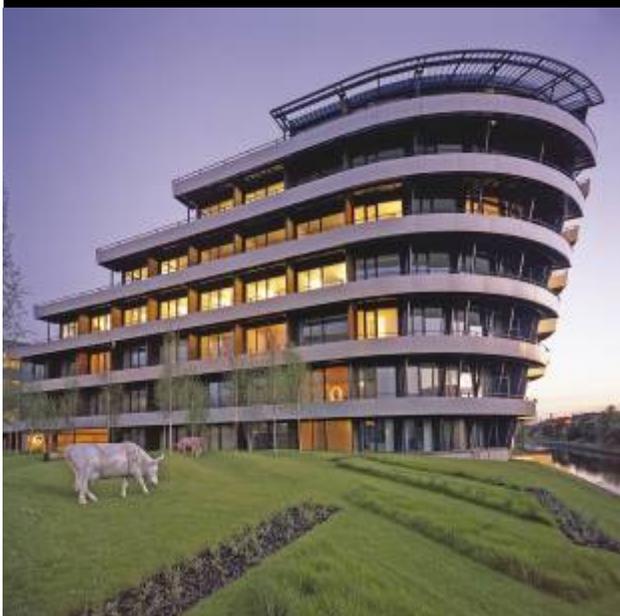
“An astounding example of everything a hospital should be, this is impossible to stress too much how excellent it is”

“Best hospital in England”

Jaimie Johnston

BWL

Foster + Partners BIM and offsite experience



CircleManchester

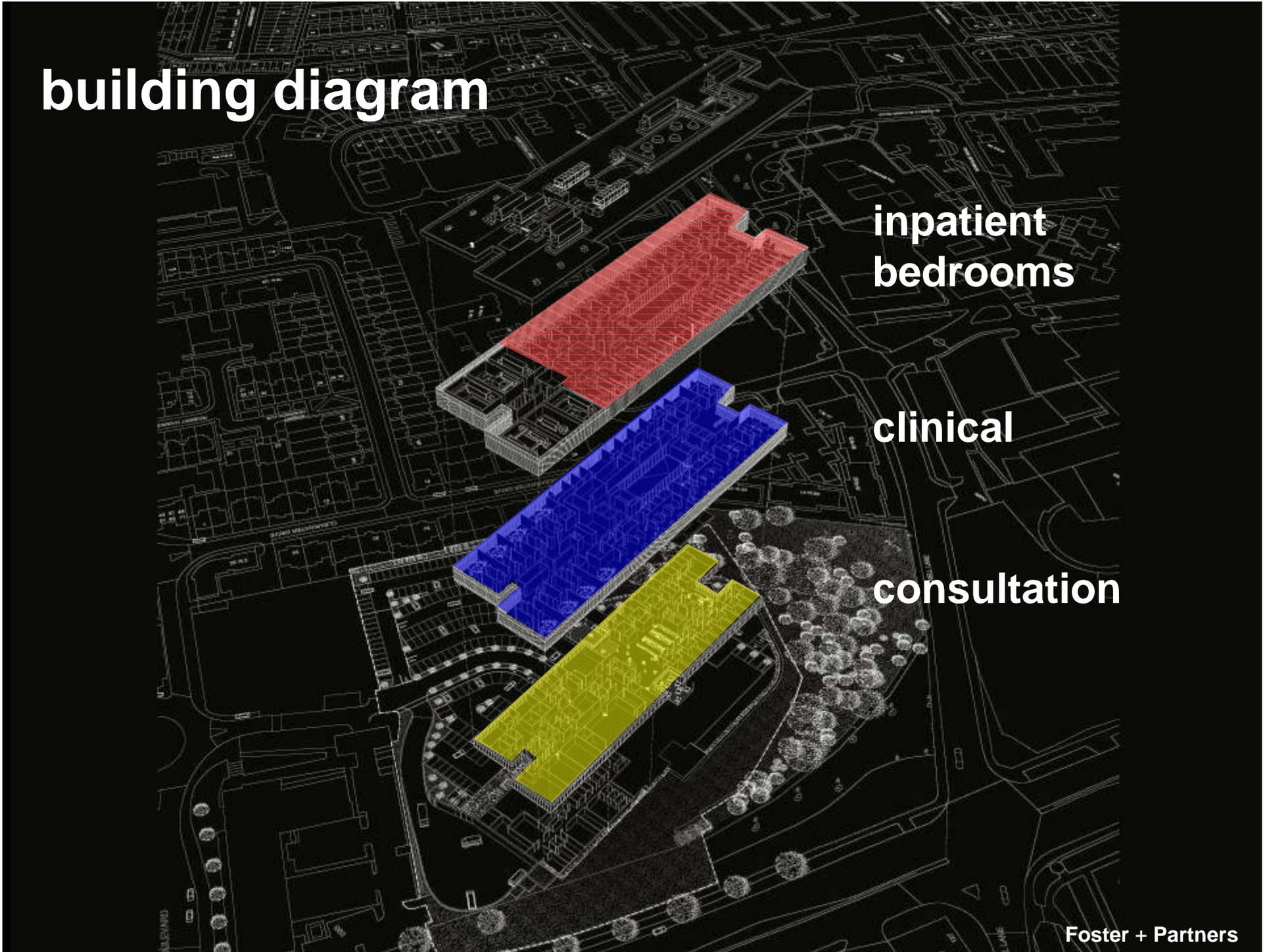


building diagram

inpatient
bedrooms

clinical

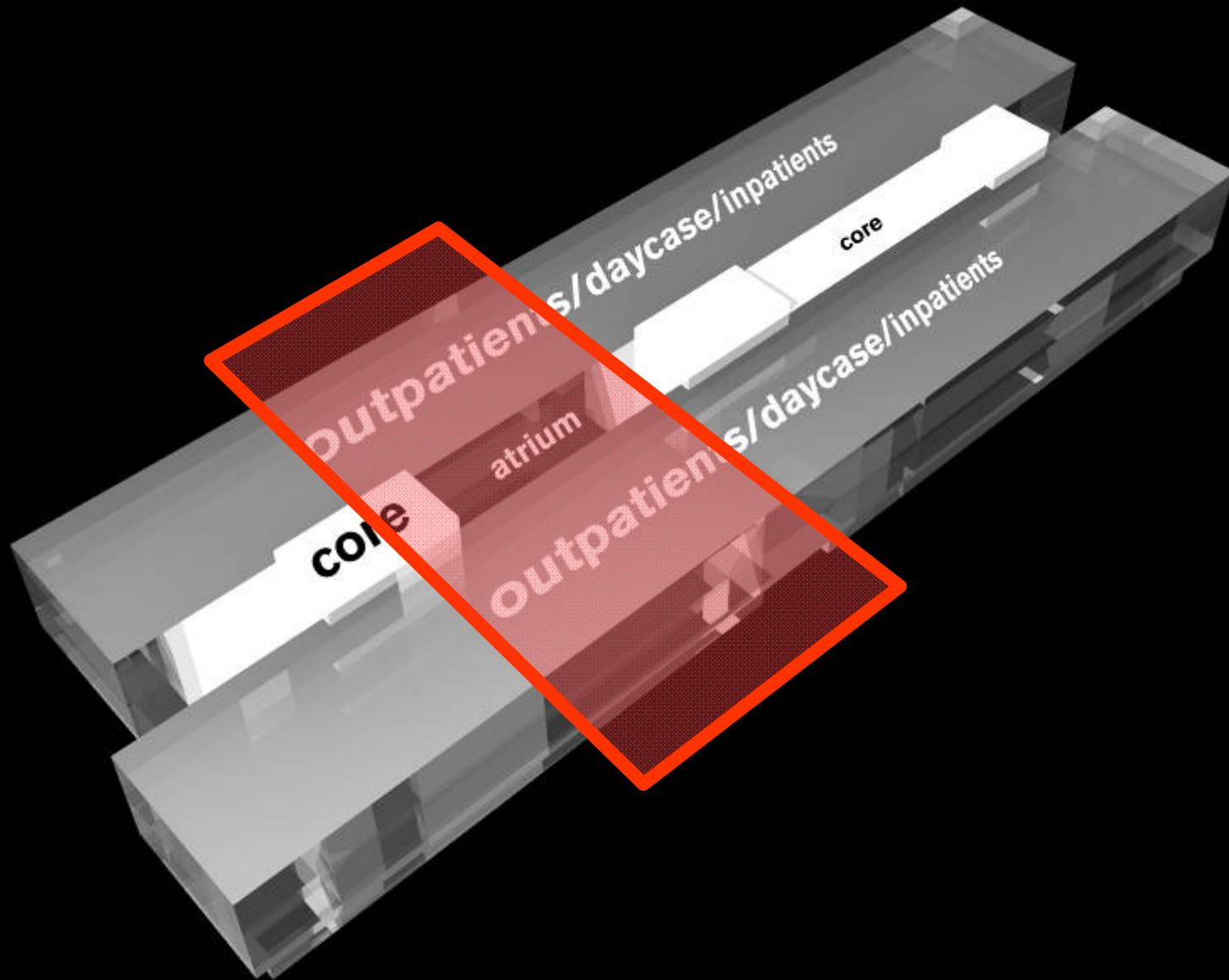
consultation



compact approach

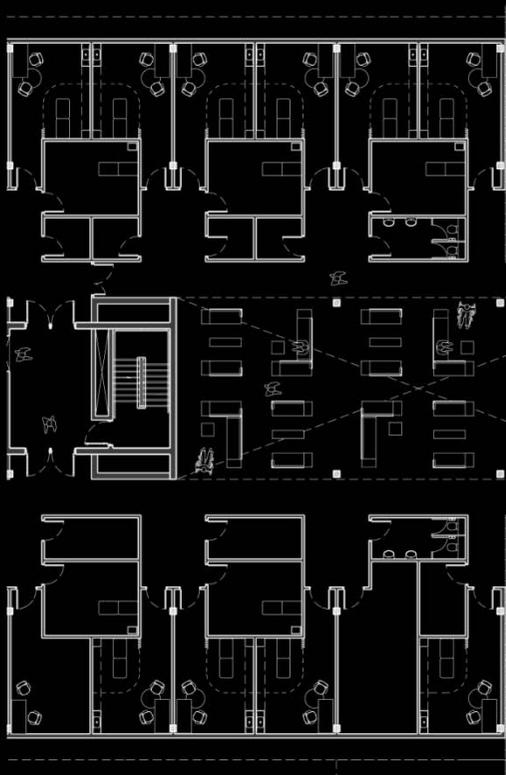


compact approach



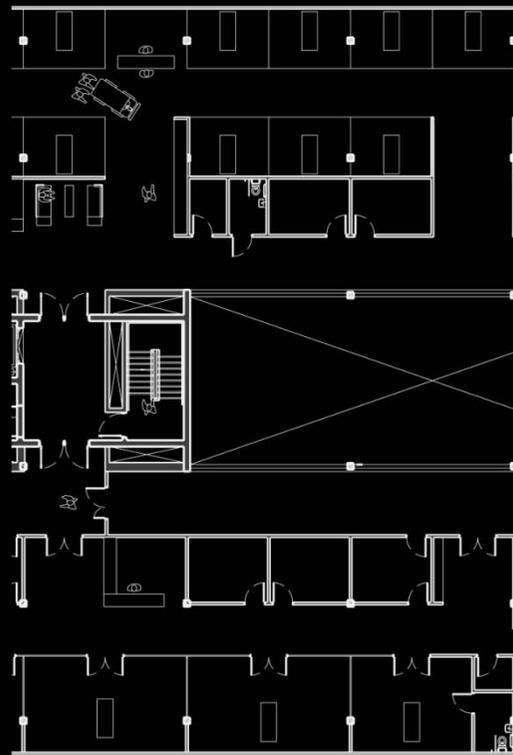
offsite opportunities

consultation rooms



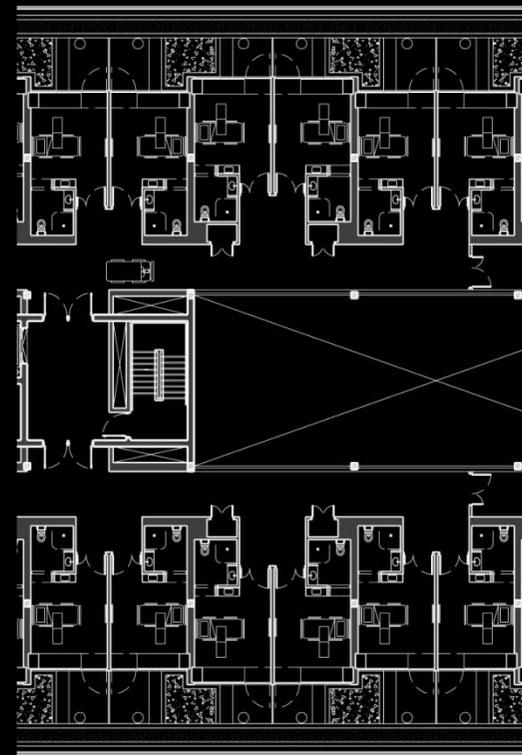
Office Level 0

daycase pods



Clinic Level 1

inpatient rooms

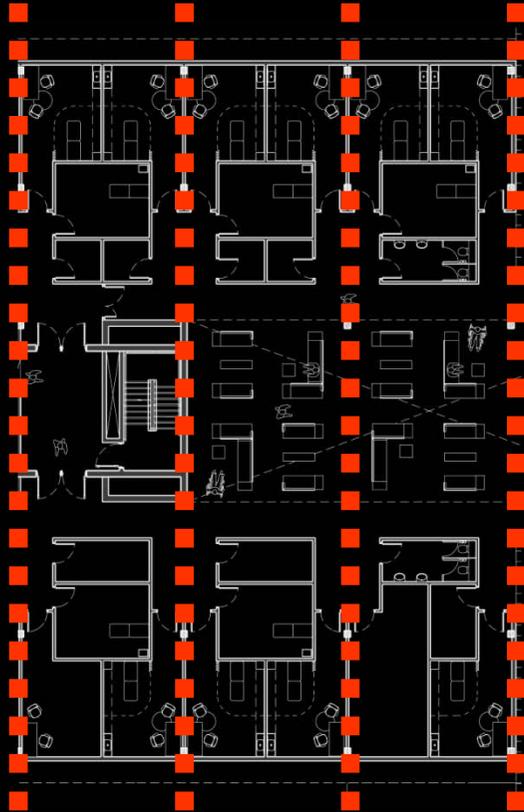


Hotel Level 2

standardised grid

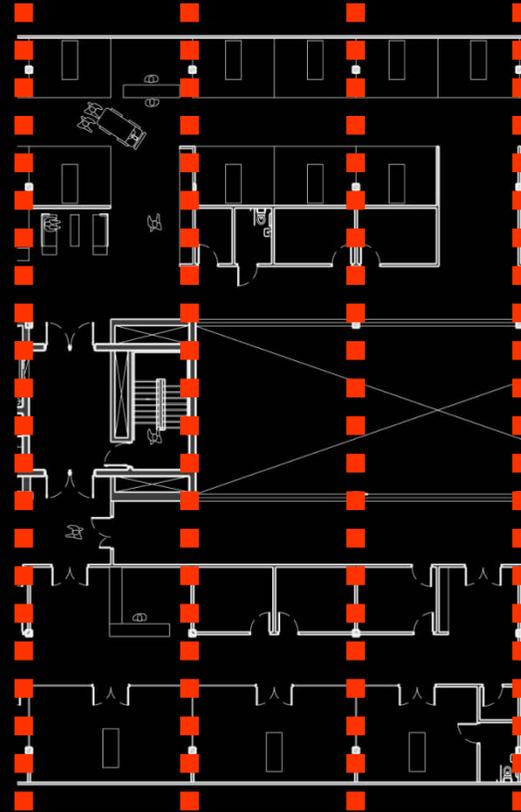
consultation rooms

7.8m



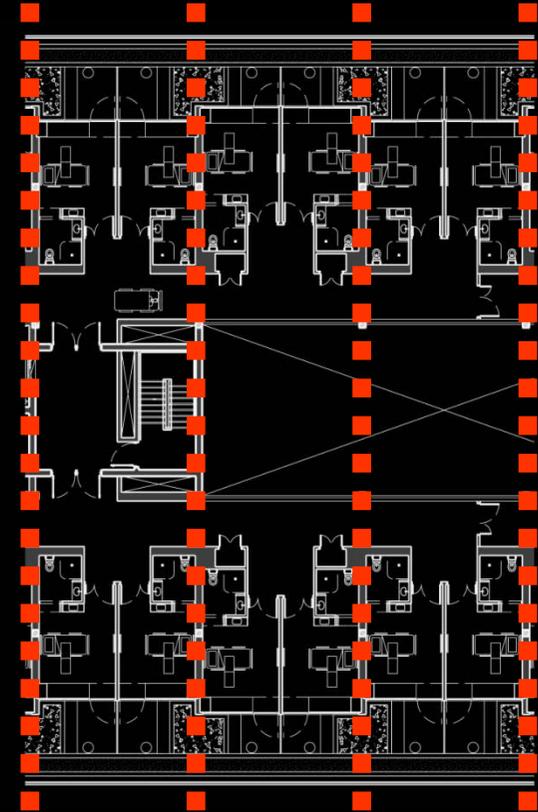
Office Level 0

daycase pods



Clinic Level 1

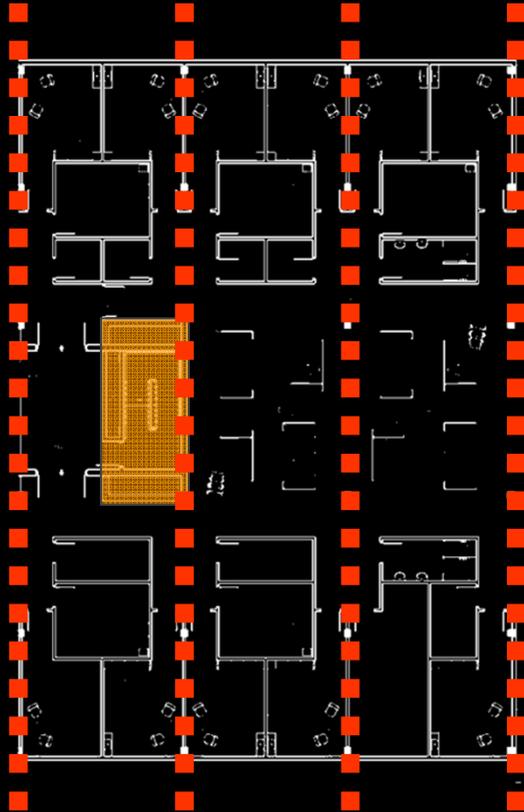
inpatient rooms



Hotel Level 2

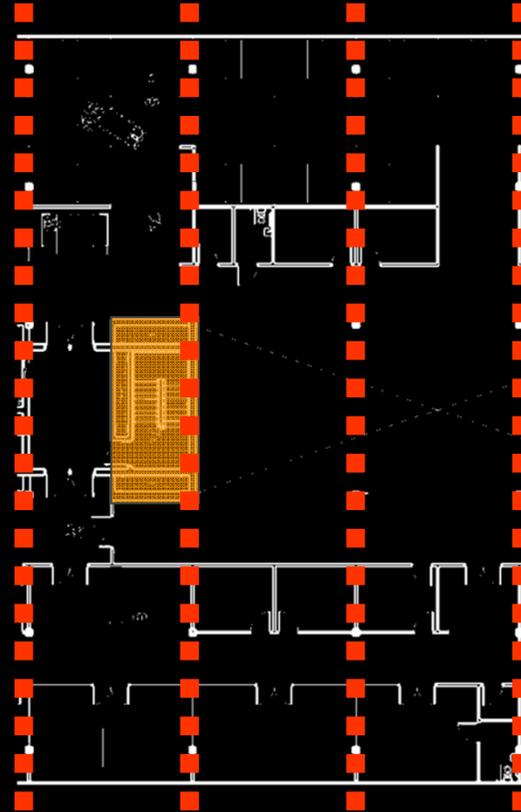
prefabricating cores

consultation rooms



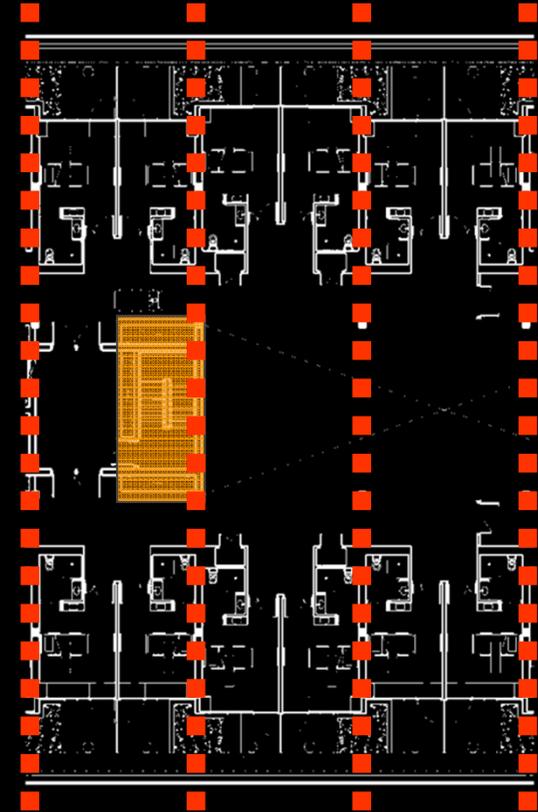
Office Level 0

daycase pods



Clinic Level 1

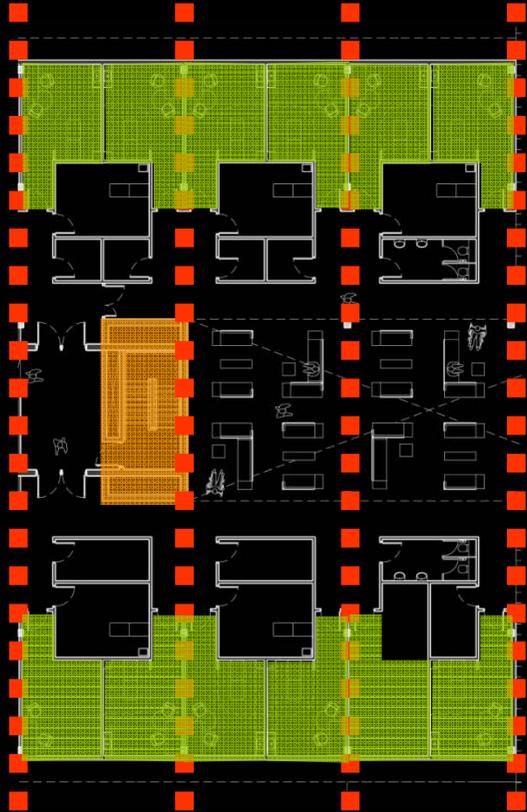
inpatient rooms



Hotel Level 2

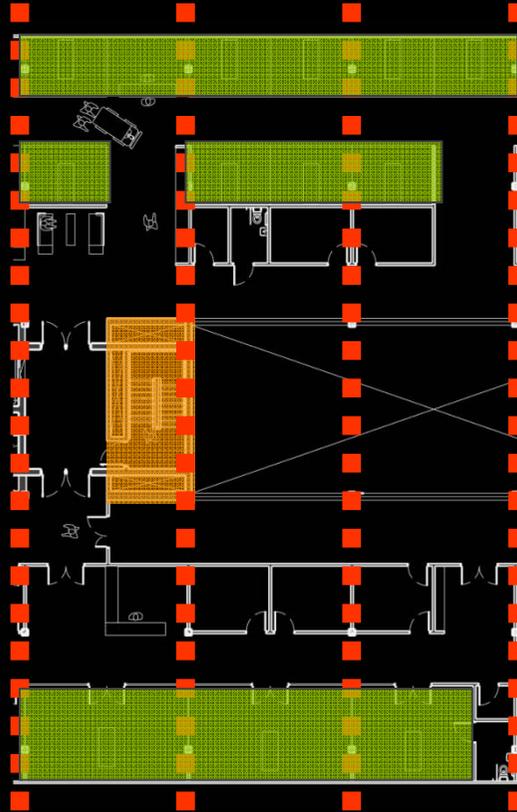
off site components

consultation rooms



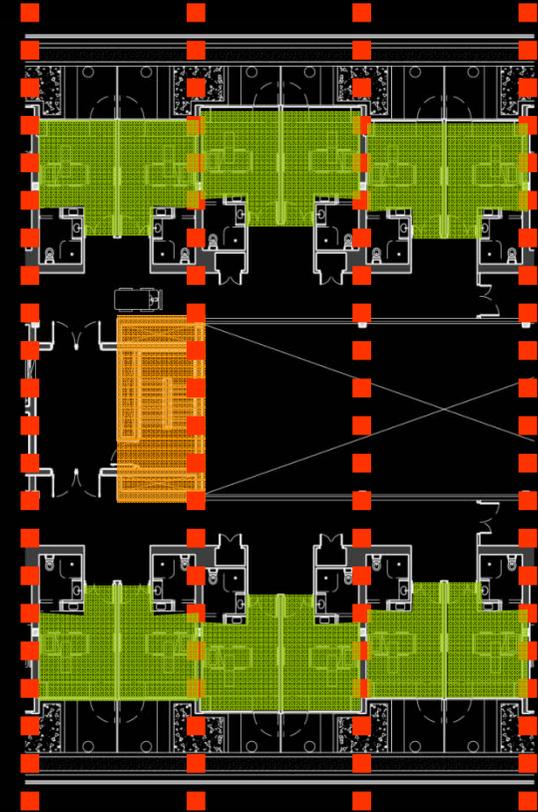
Office Level 0

daycase pods



Clinic Level 1

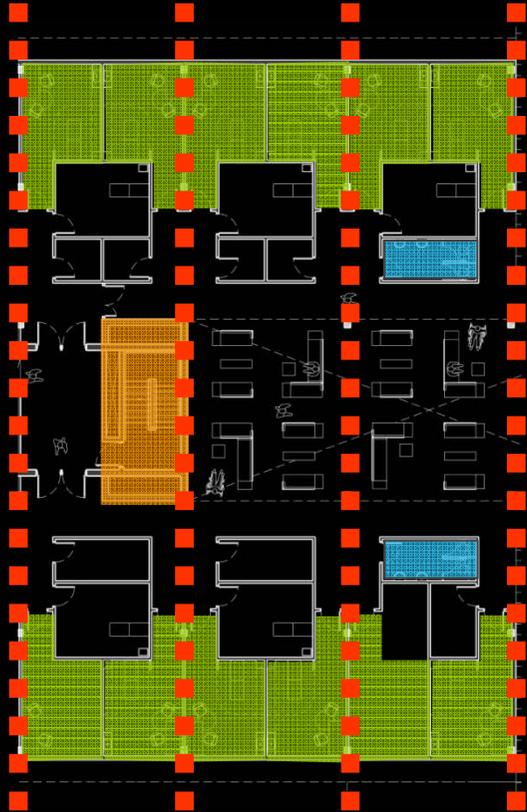
inpatient rooms



Hotel Level 2

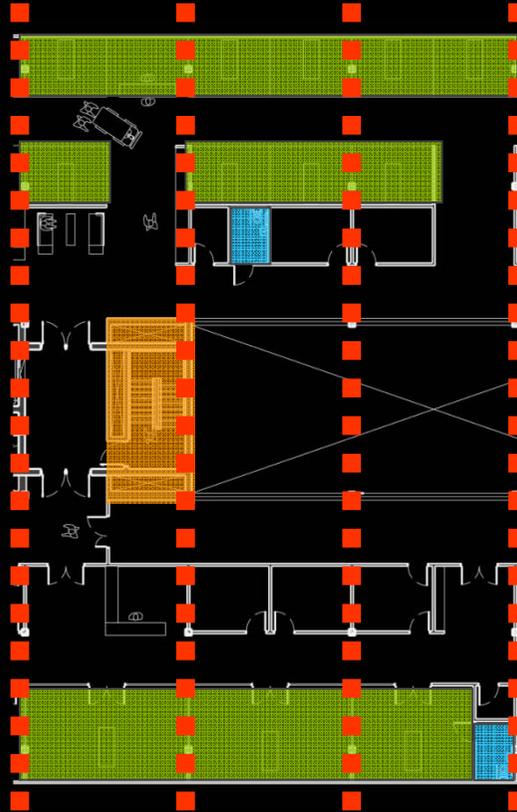
bathroom pods

consultation rooms



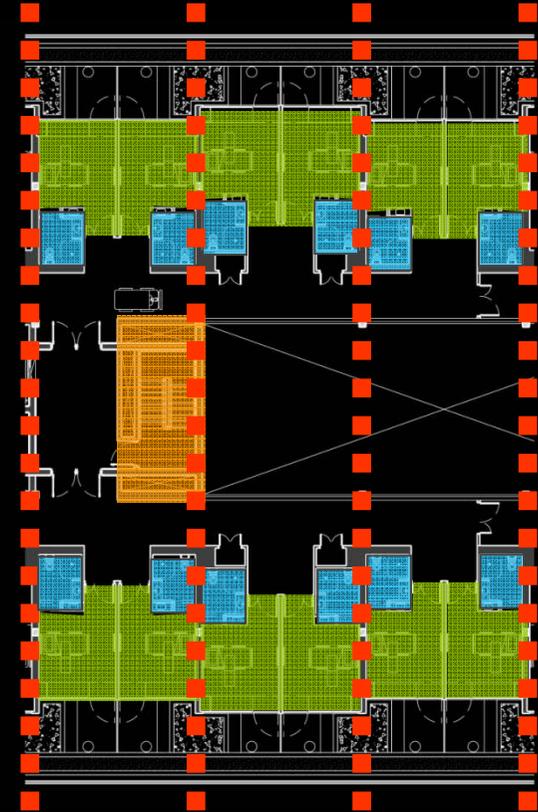
Office Level 0

daycase pods



Clinic Level 1

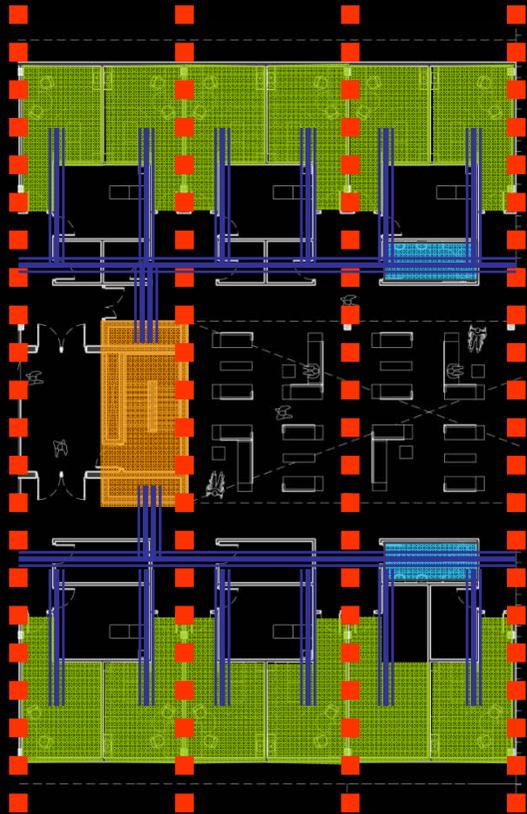
inpatient rooms



Hotel Level 2

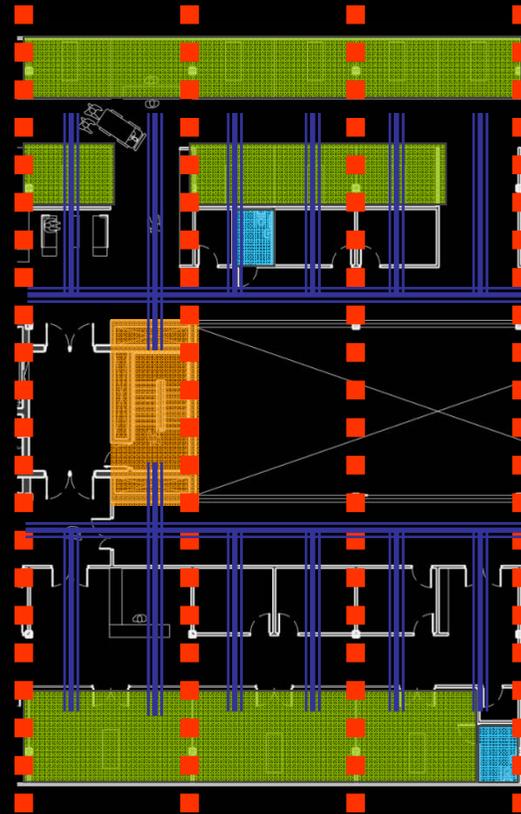
building services

consultation rooms



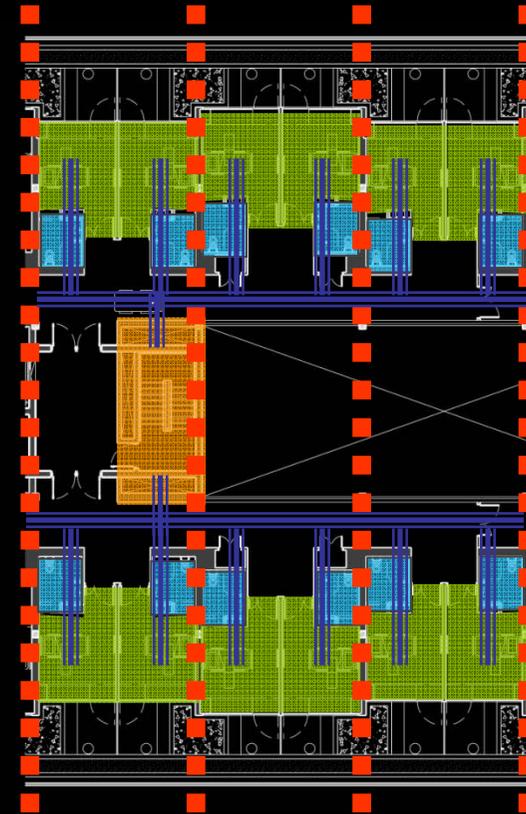
Office Level 0

daycase pods



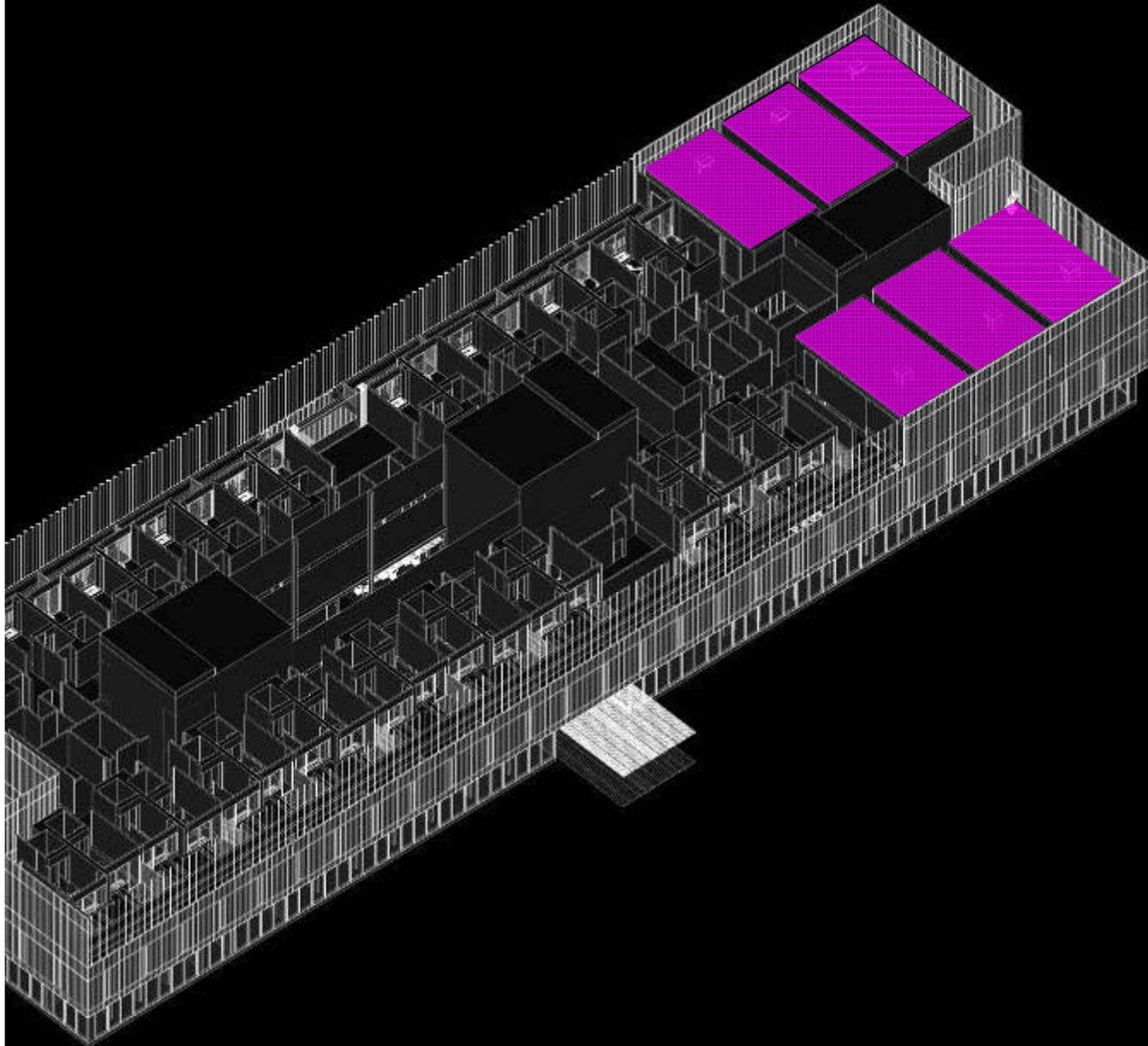
Clinic Level 1

inpatient rooms

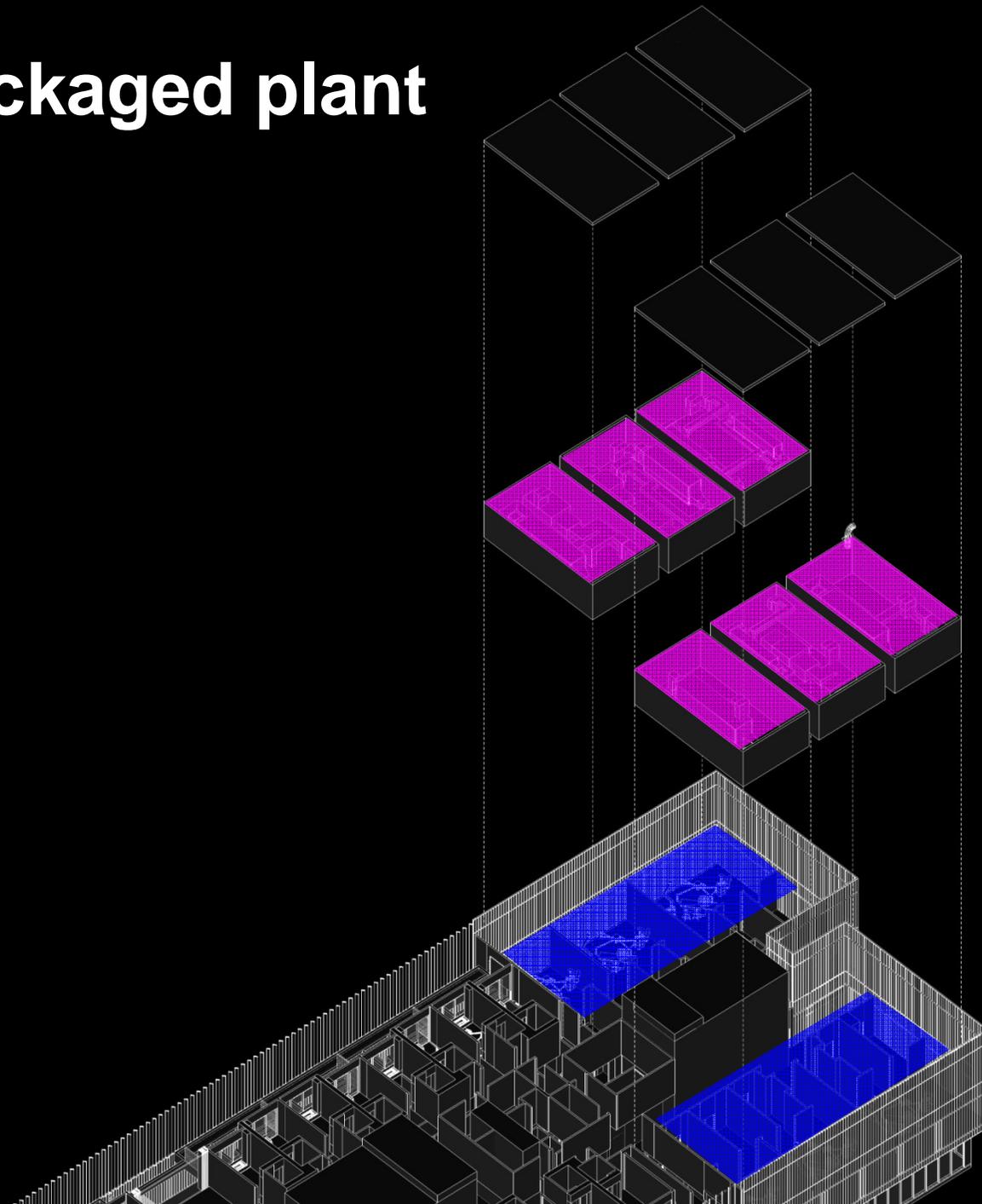


Hotel Level 2

plant strategy



packaged plant



packaged plant

operating theatres

central focus





