

EXPLORE

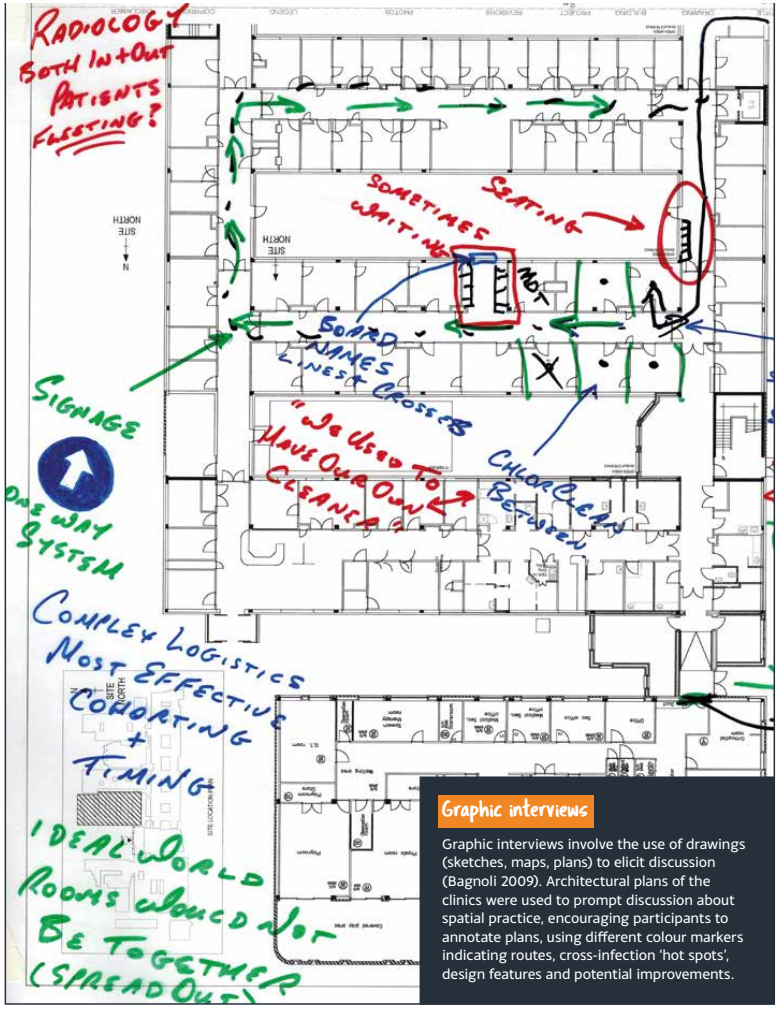
PIET'S CENTRE

A hospital for immunocompromised patients

Lotte Schut

19/06/2026

PROBLEM STATEMENT



(Brown et al., 2020).

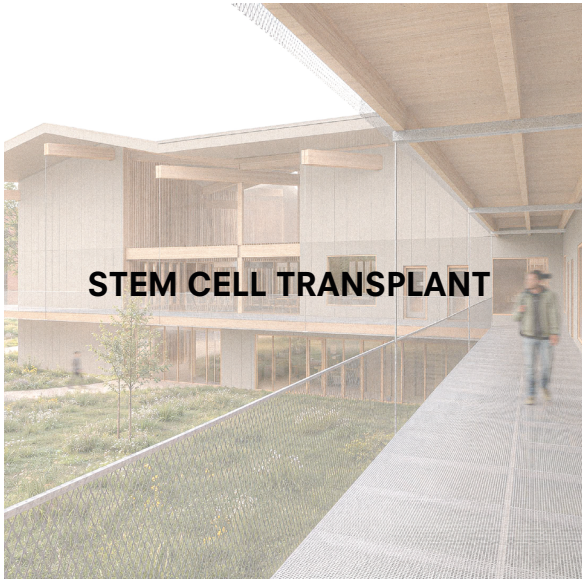
DESIGN QUESTION

How can architectural design contribute to infection safety and overall well-being for immunocompromised patients within the hospital environment?

USERS



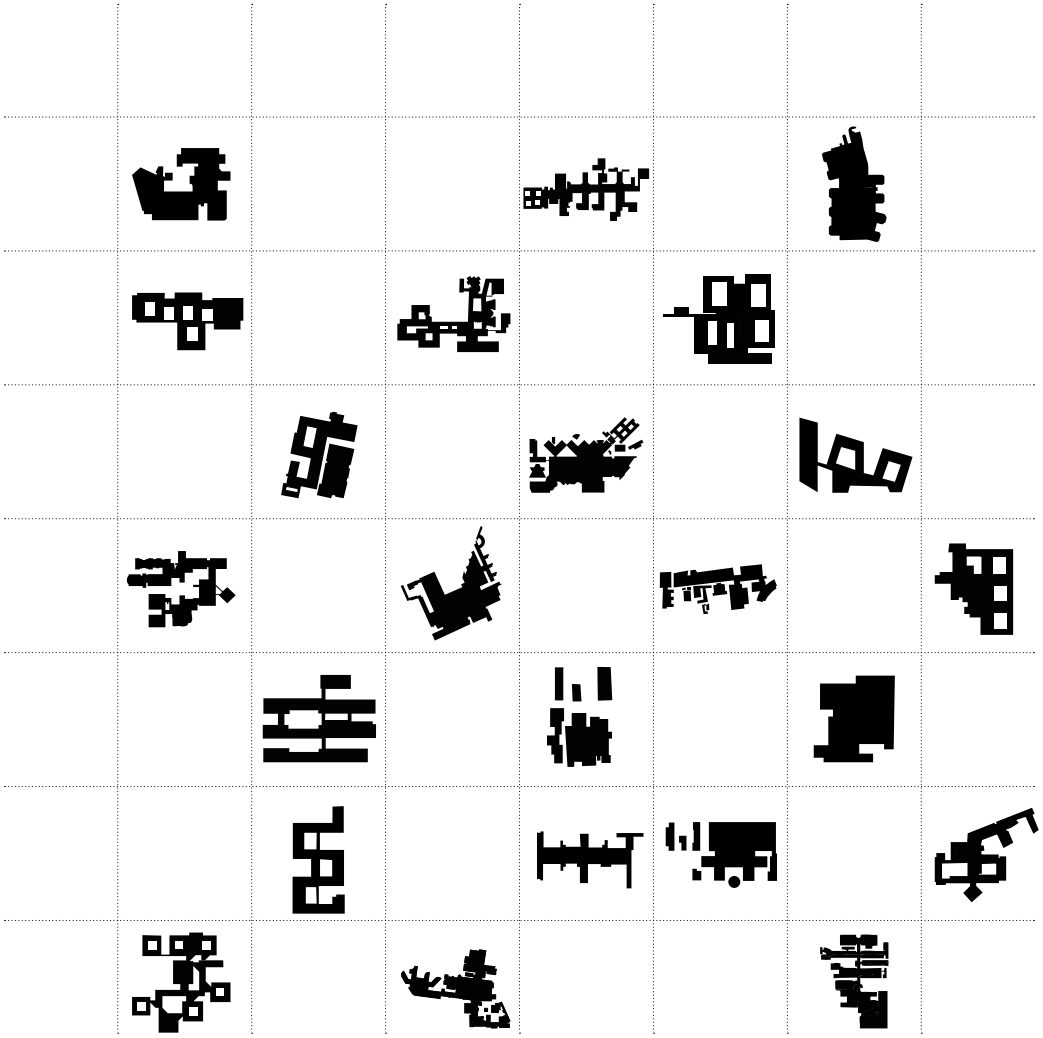




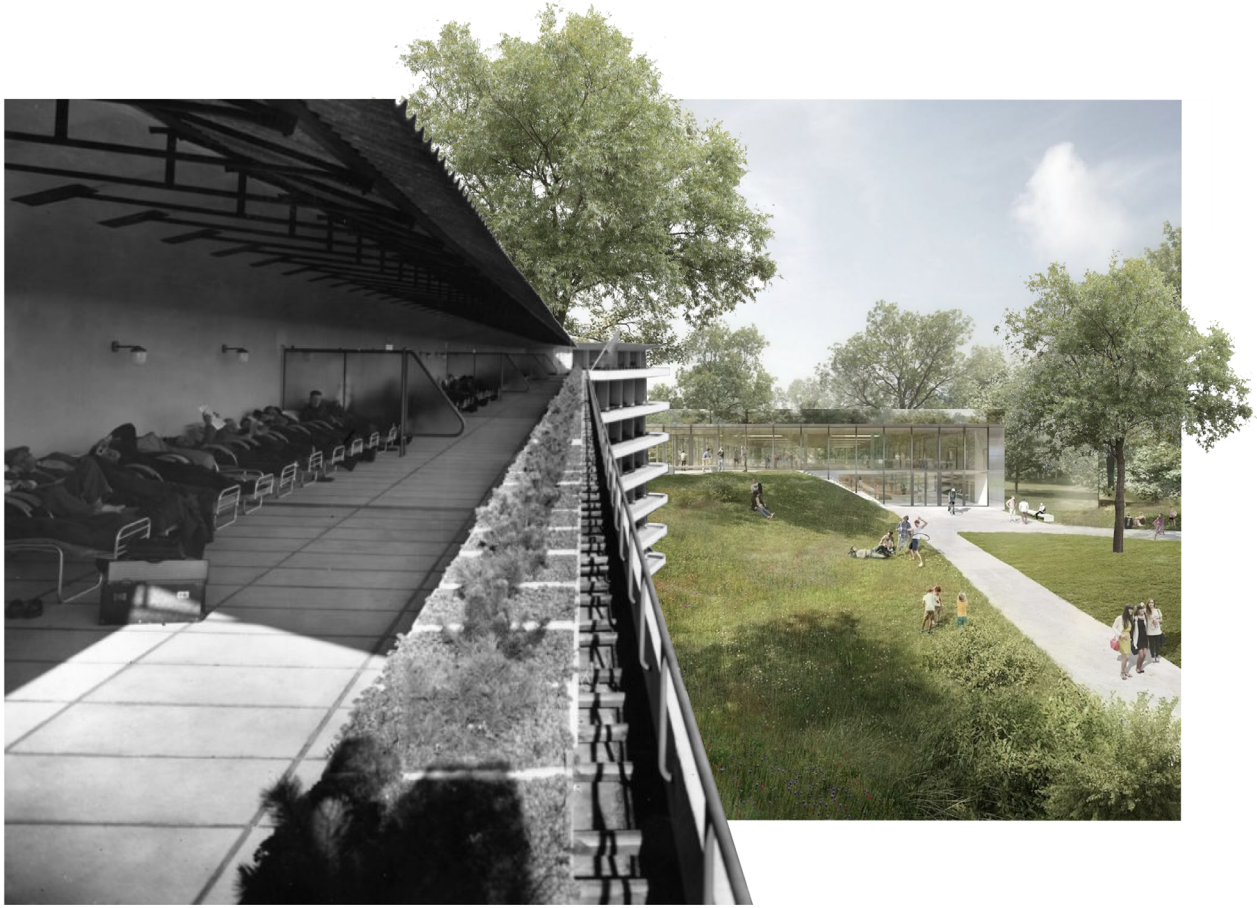


WHERE?

ATTACH TO EXISTING STRUCTURE



NATURE INCLUSIVE HEALING



(Colomina & Wigley, 2025; Miola et al., 2025)

UTRECHT MEDICAL CENTRE



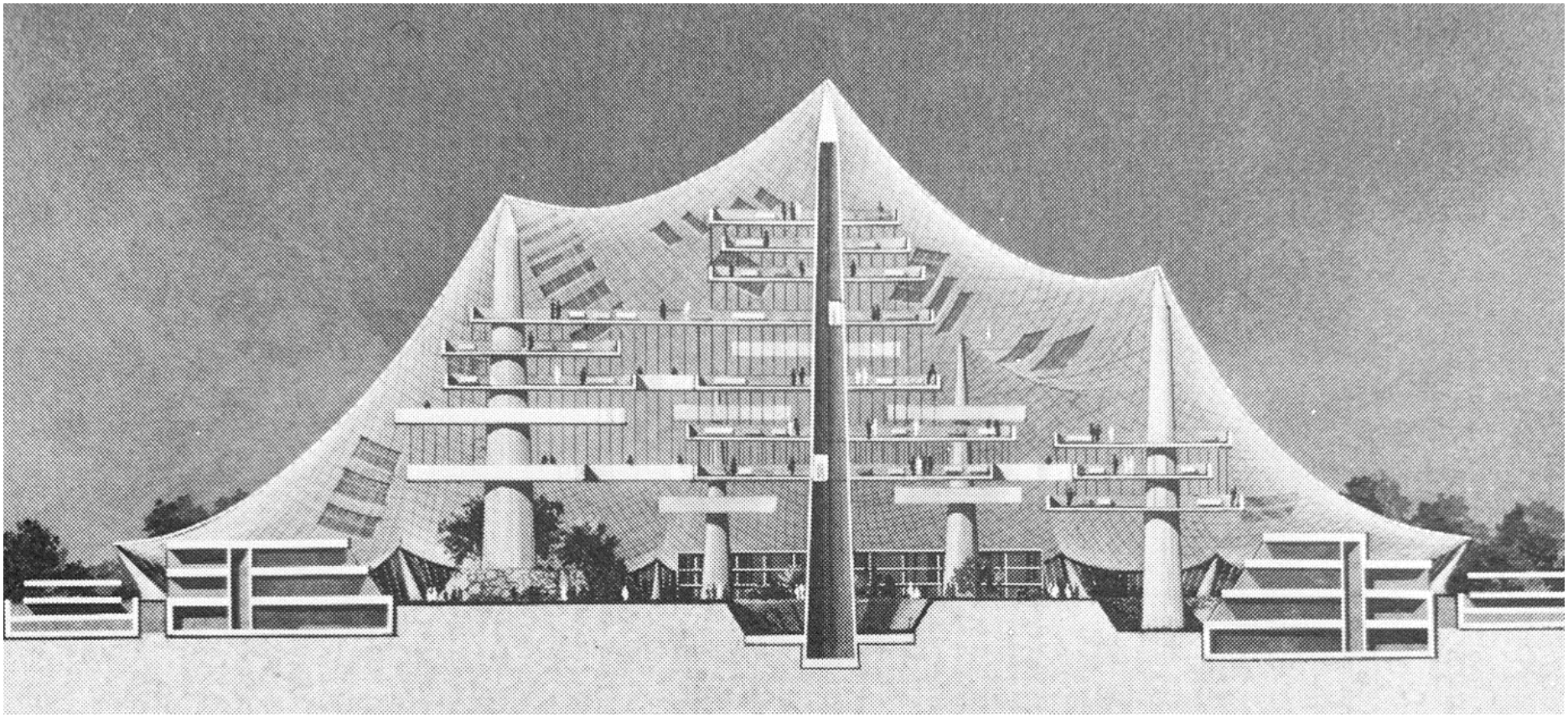
LOOKING BACK AT THE PAST

PRE-ANTIBIOTIC



(Das „Haus Auf Der Alb“ Im Kontext Der Sanatoriumsbauten Der 1920er- Und 1930er-Jahre - Erholungsheim Und Krankenhaus, z.d.)

POST-ANTIBIOTIC



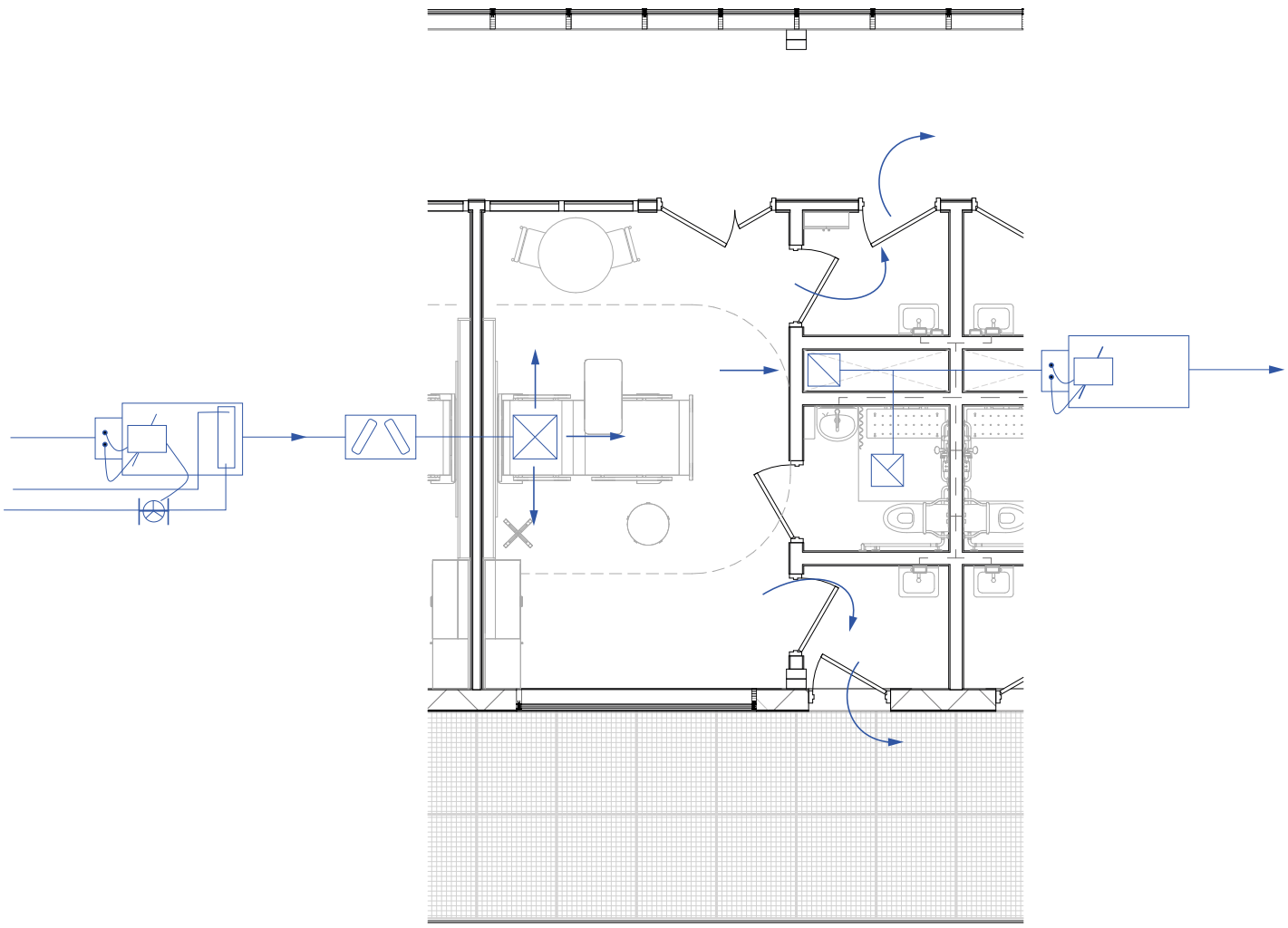
Tropicarium, E. Todd Wheeler Concept Rendering, (Design & Healing: Hospital Typologies - Google Arts & Culture, n.d.)

1,5 METERS & FRESH AIR

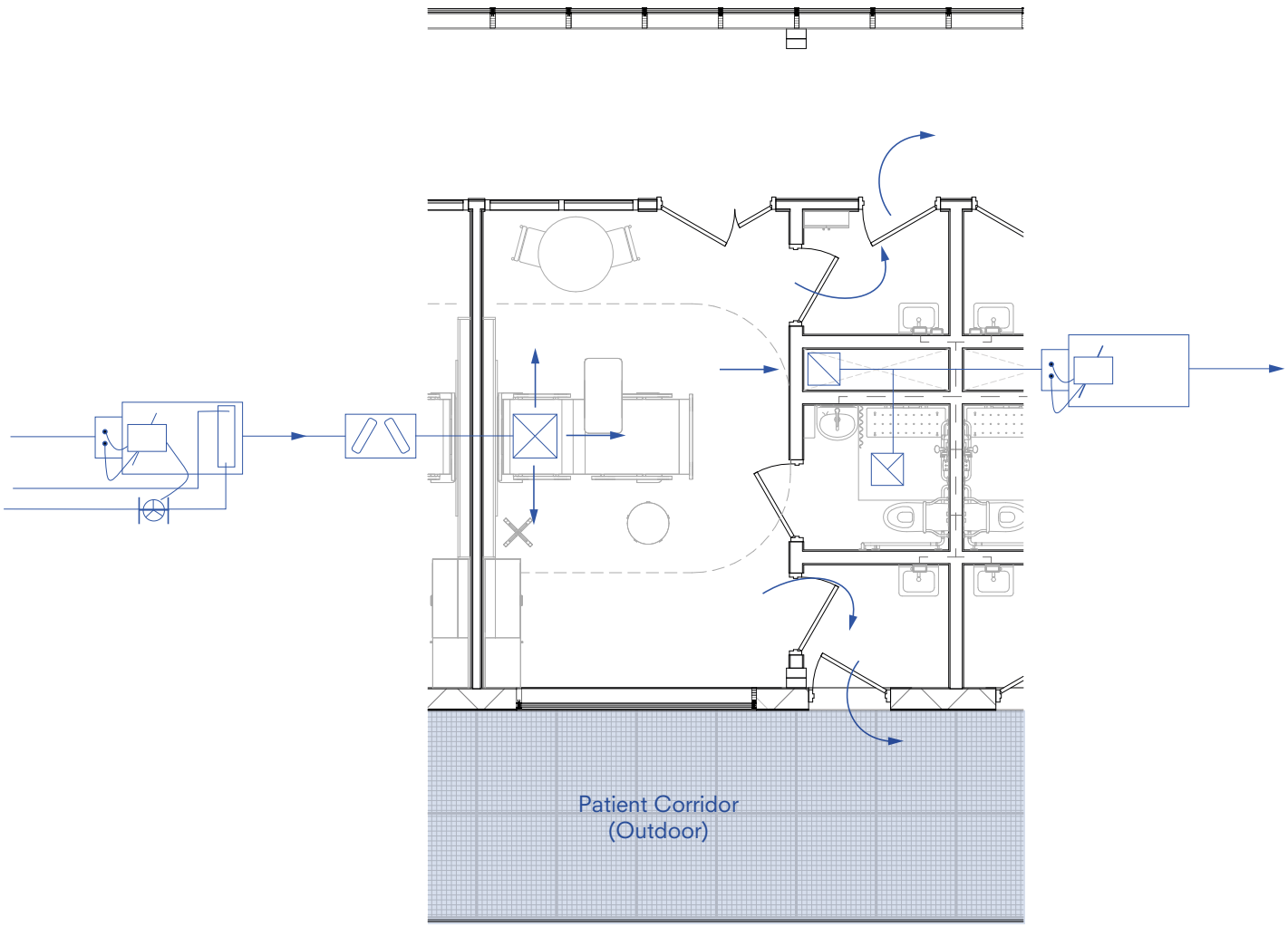


HOW: NEW TECHNIQUES

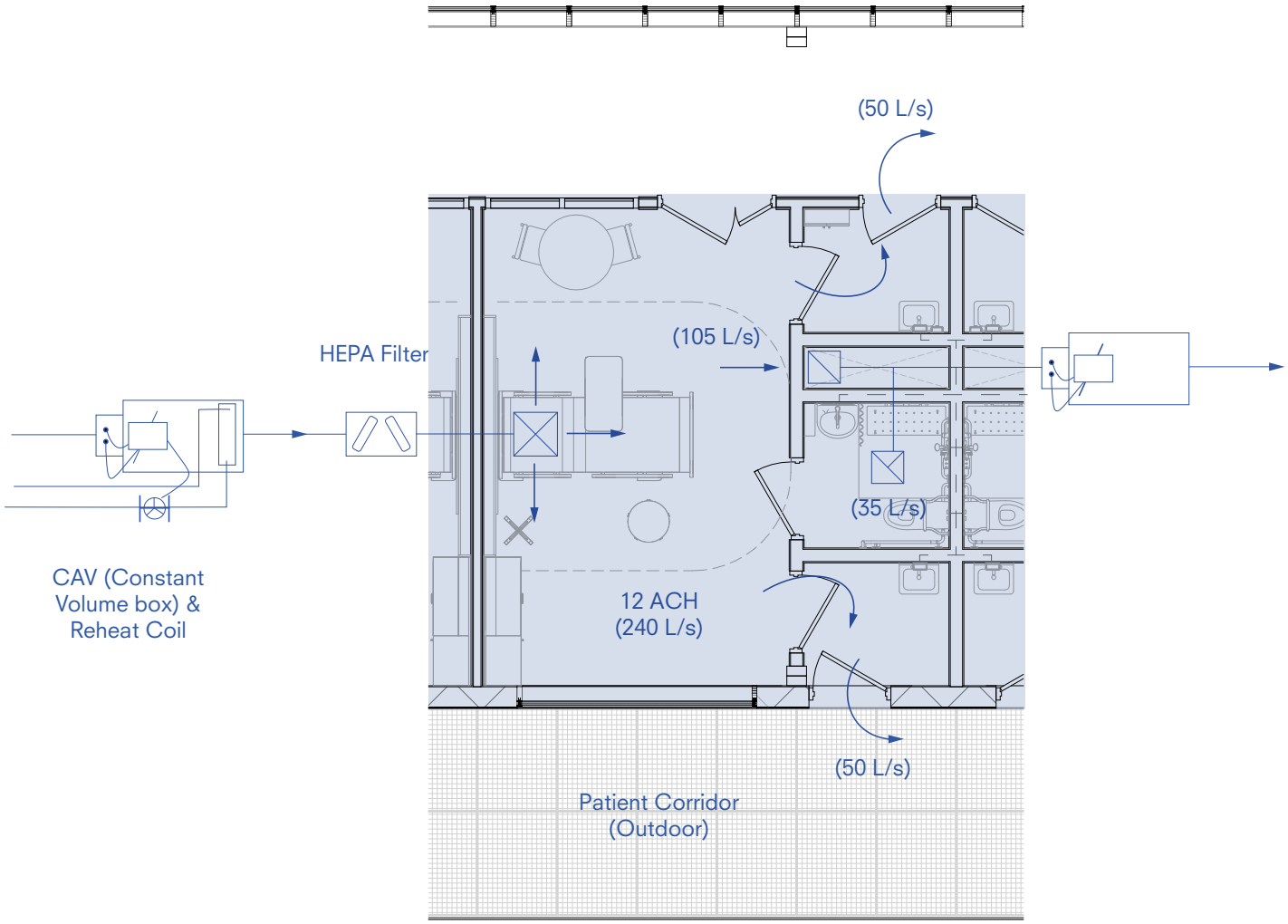
FLOOR PLAN PATIENT ROOM



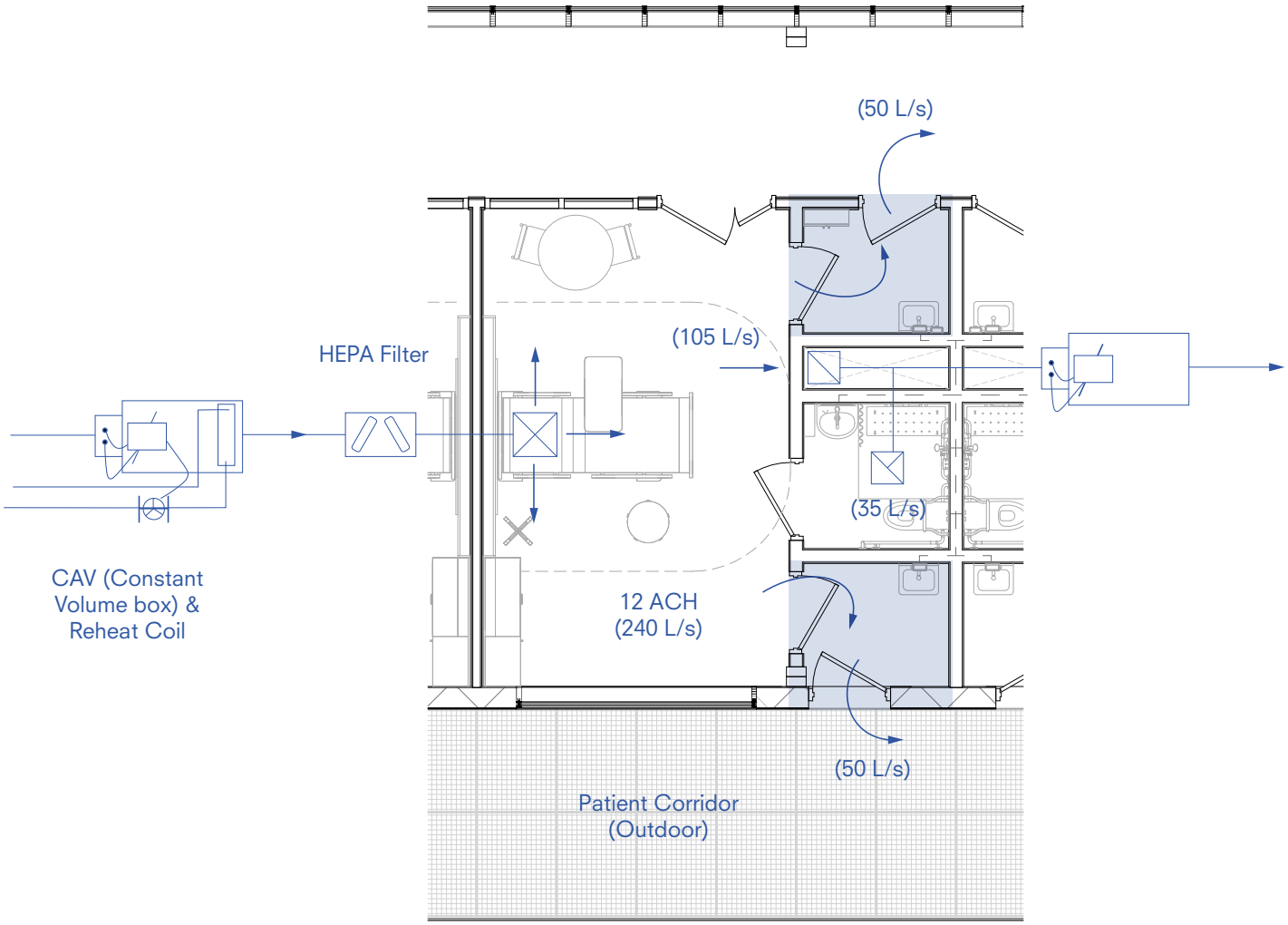
PATIENT CORRIDOR - OUTDOOR



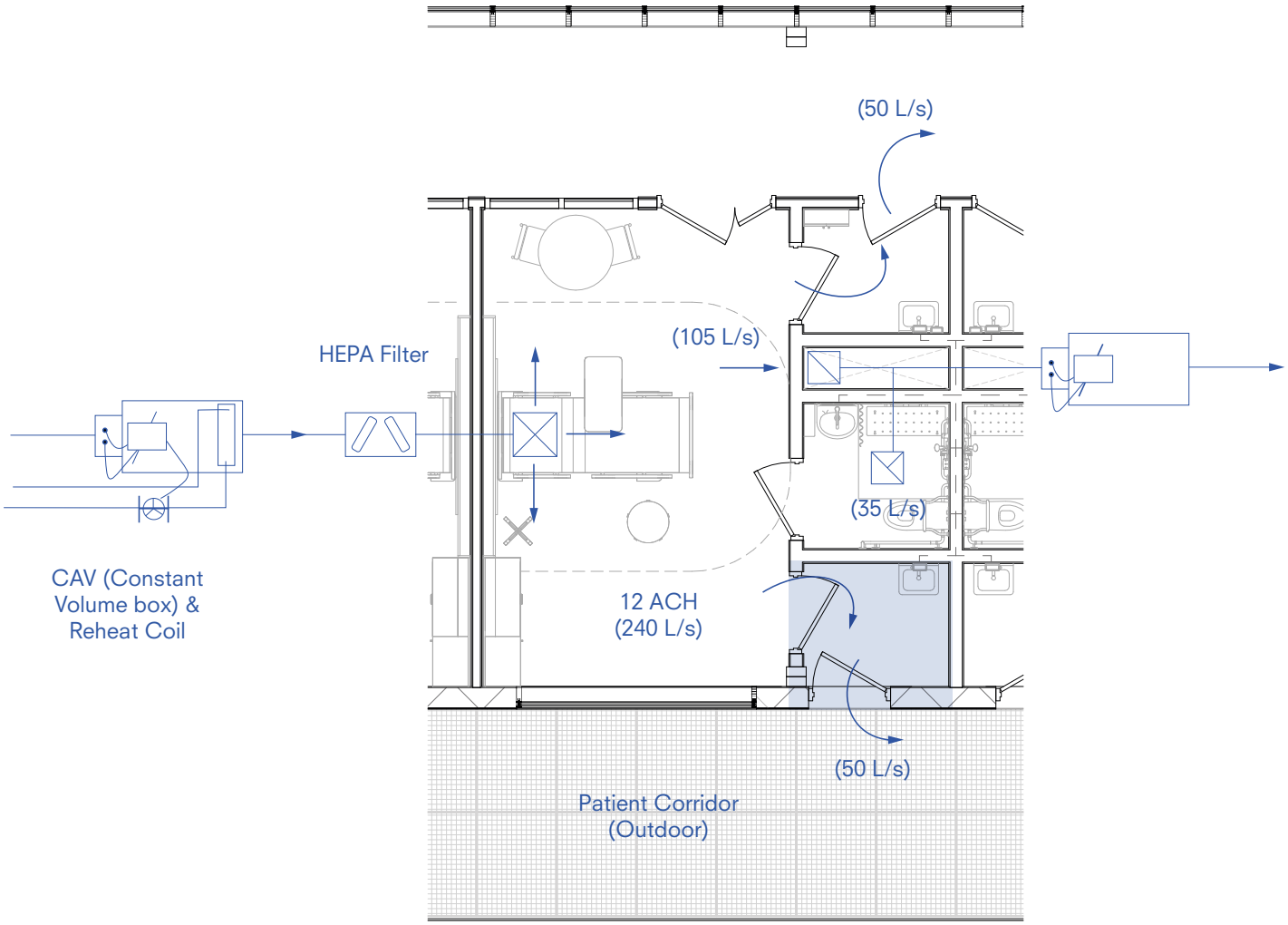
POSITIVE PRESSURE ROOMS



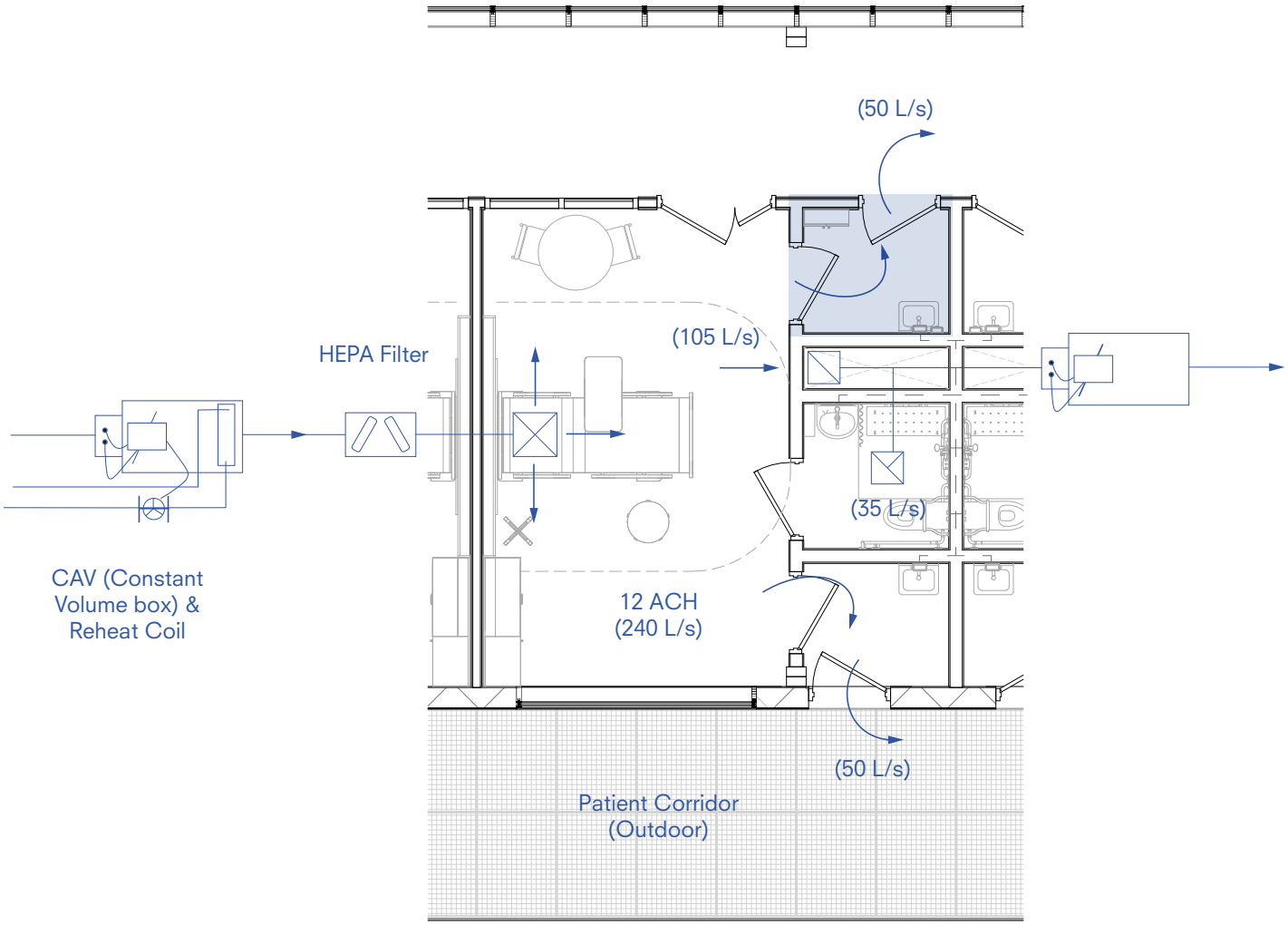
ANTECHAMBERS



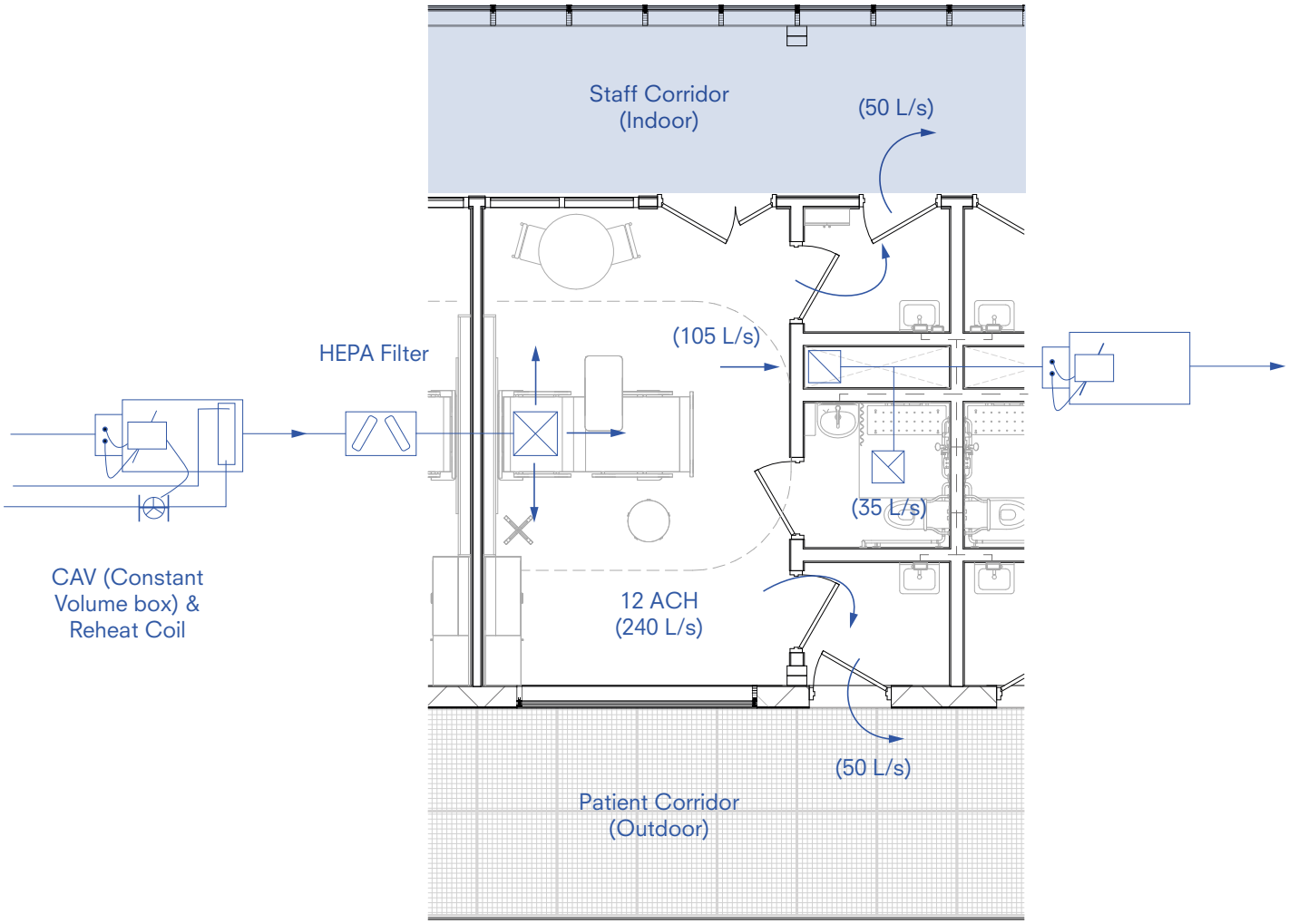
ANTECHAMBERS



ANTECHAMBERS



STAFF CORRIDOR - INDOOR



POSITIVE PRESSURE ROOMS



PROGRAM



PROGRAM



STAFF LOOP

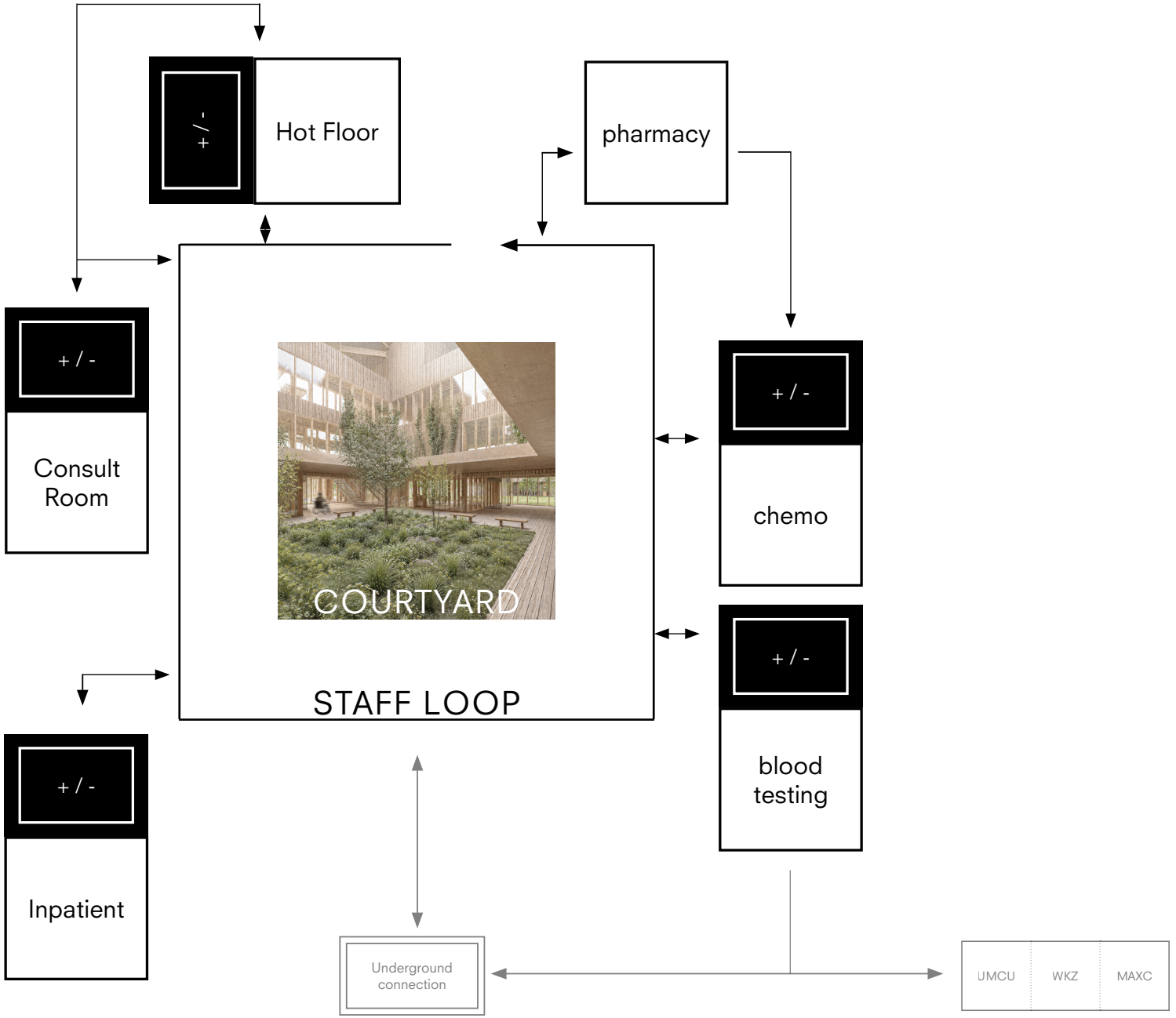
Underground connection

UMCU

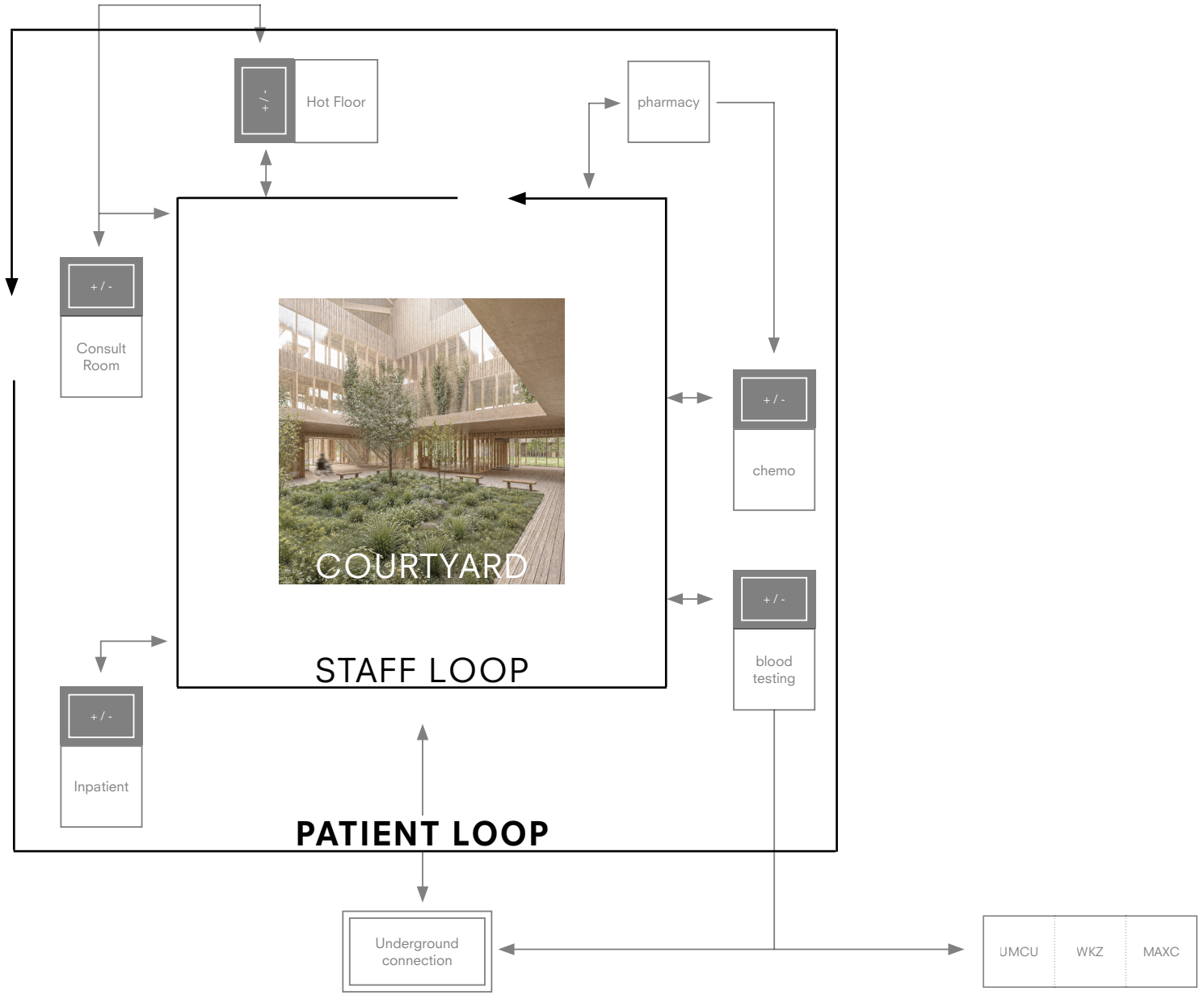
WKZ

MAXC

PROGRAM


+ / -
Hot Floor
pharmacy
+ / -
Consult Room
COURTYARD
+ / -
chemo
STAFF LOOP
+ / -
blood testing
+ / -
Inpatient
Underground connection
UMCU
WKZ
MAXC

PROGRAM


+ / -
Hot Floor
pharmacy
+ / -
Consult Room
COURTYARD
+ / -
chemo
+ / -
blood testing
STAFF LOOP
+ / -
Inpatient
PATIENT LOOP
Underground connection
UMCU
WKZ
MAXC

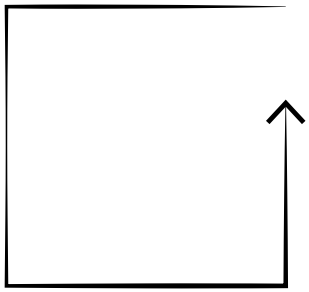
PROGRAM



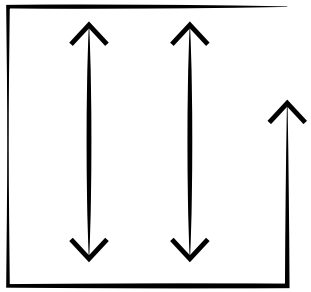
STAFF LOOP

PATIENT LOOP

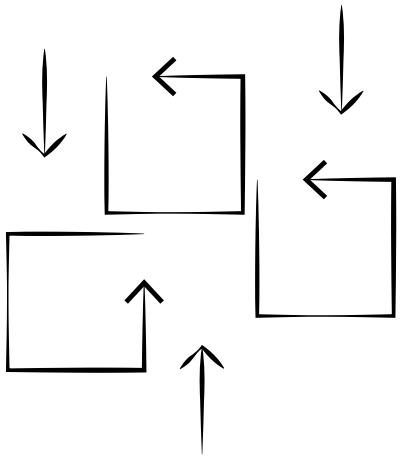
LOOPS



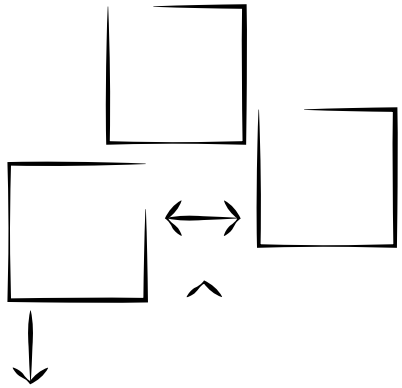
LOOP



SHORT CUTS

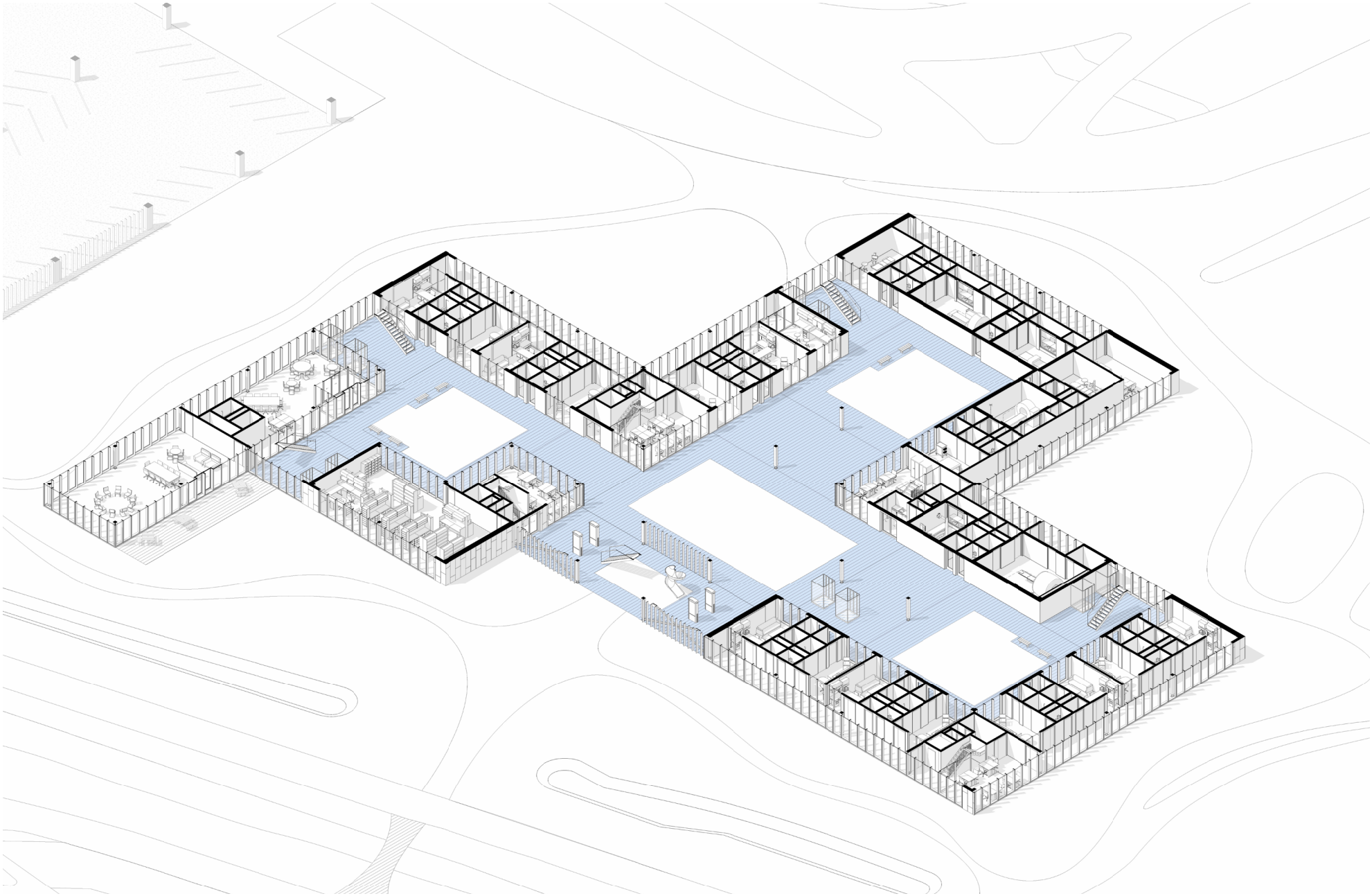


VOLUME



ADDITIONAL VOLUMES

COURTYARD - OUTPATIENT



COURTYARD - OUTPATIENT

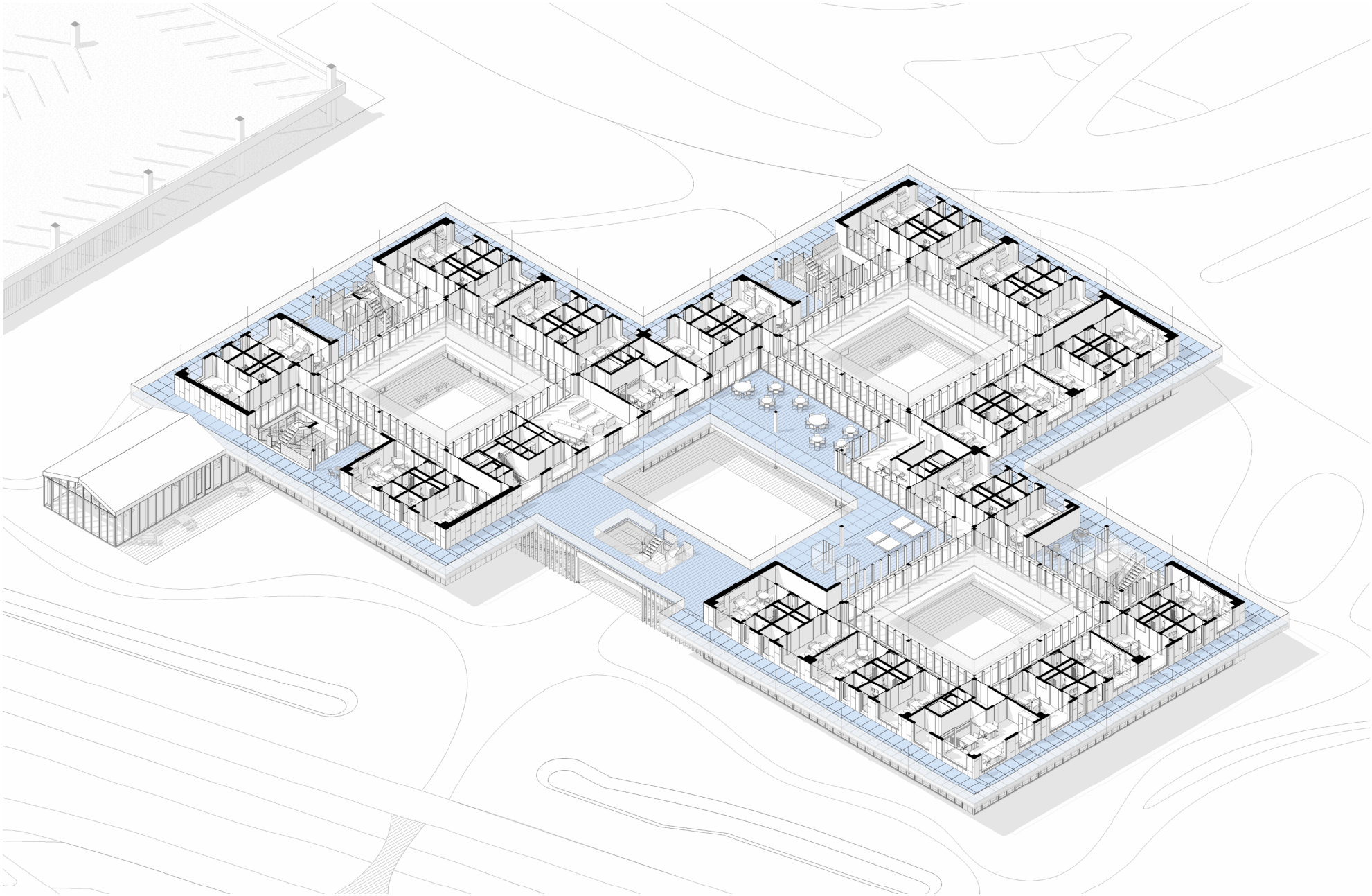




Exposed timber promotes well-being, comfort and calm (Kotradyova et al., 2019)

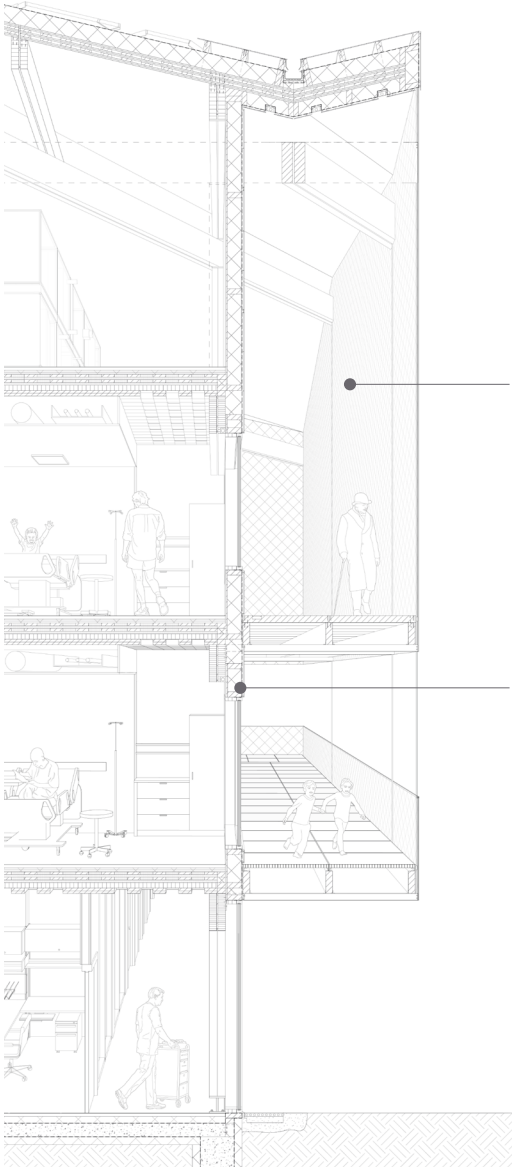
Planting trough: 5mm canted steel; provides shelter for rain

BALCONY - INPATIENT



BALCONY - INPATIENT

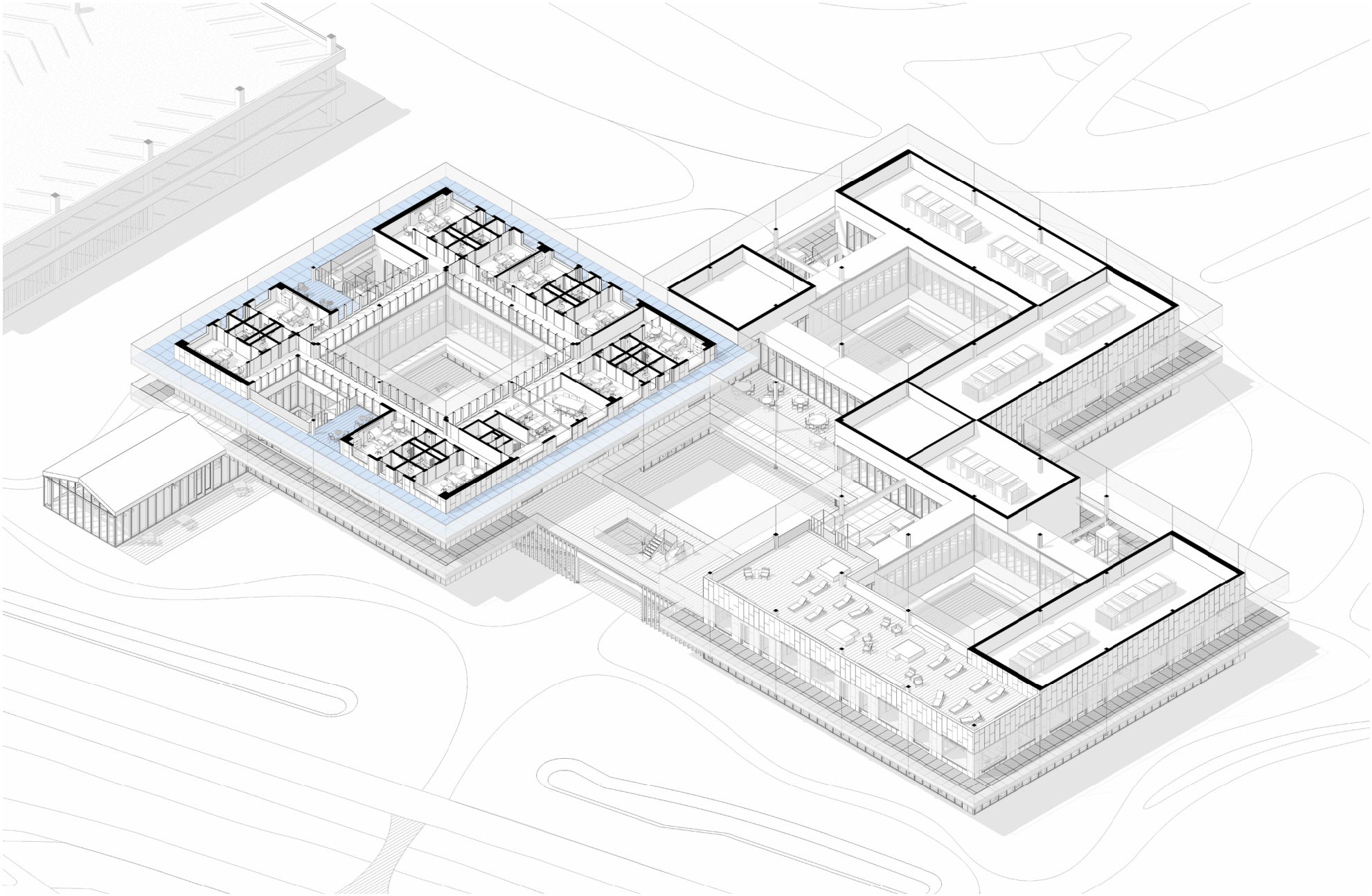




Mesh screen; wind and rain buffer; see through

Blue supports a calm healthcare environment (Pulmonology Advisor, 2024)

BALCONY - INPATIENT



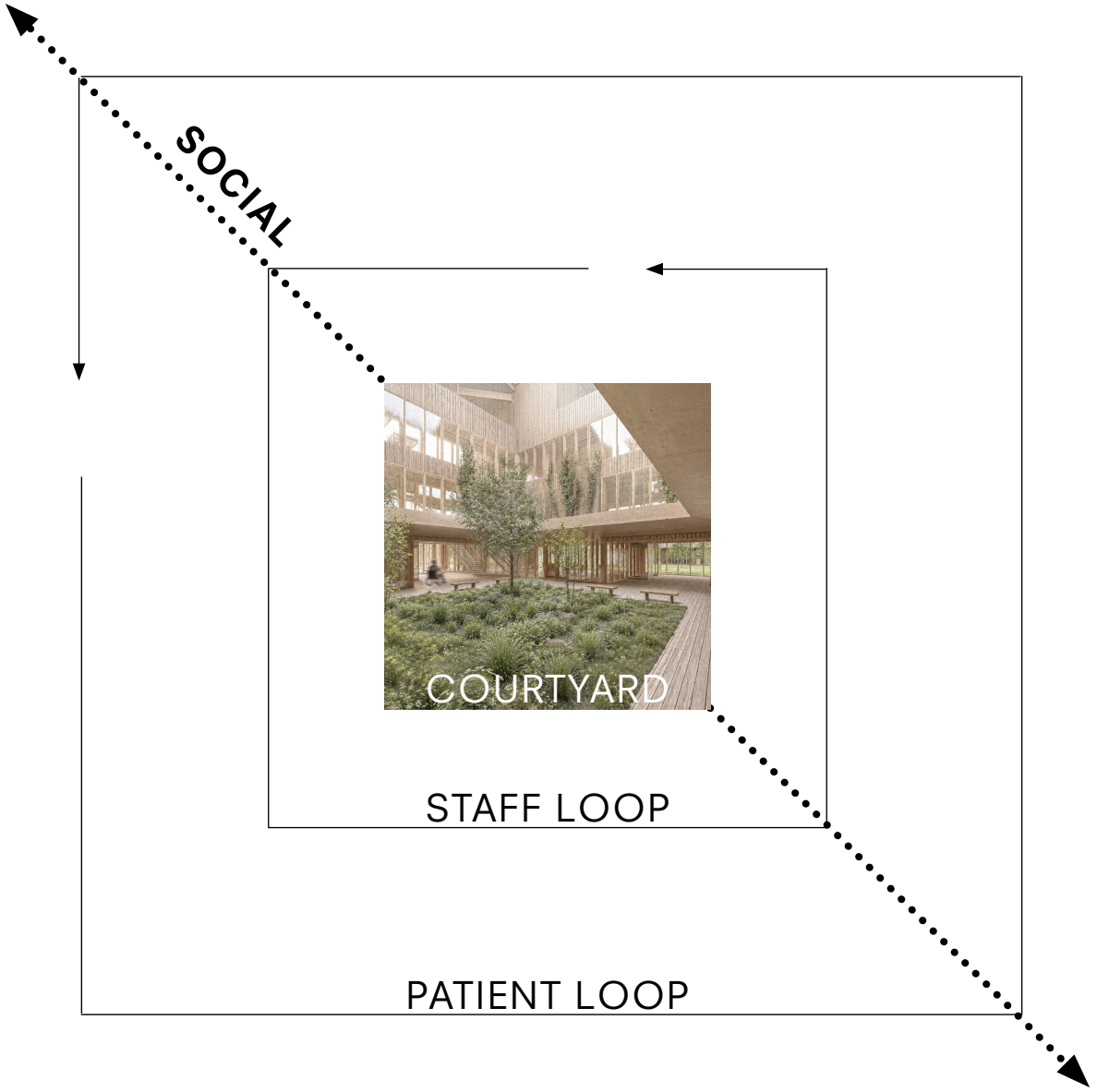
PROGRAM



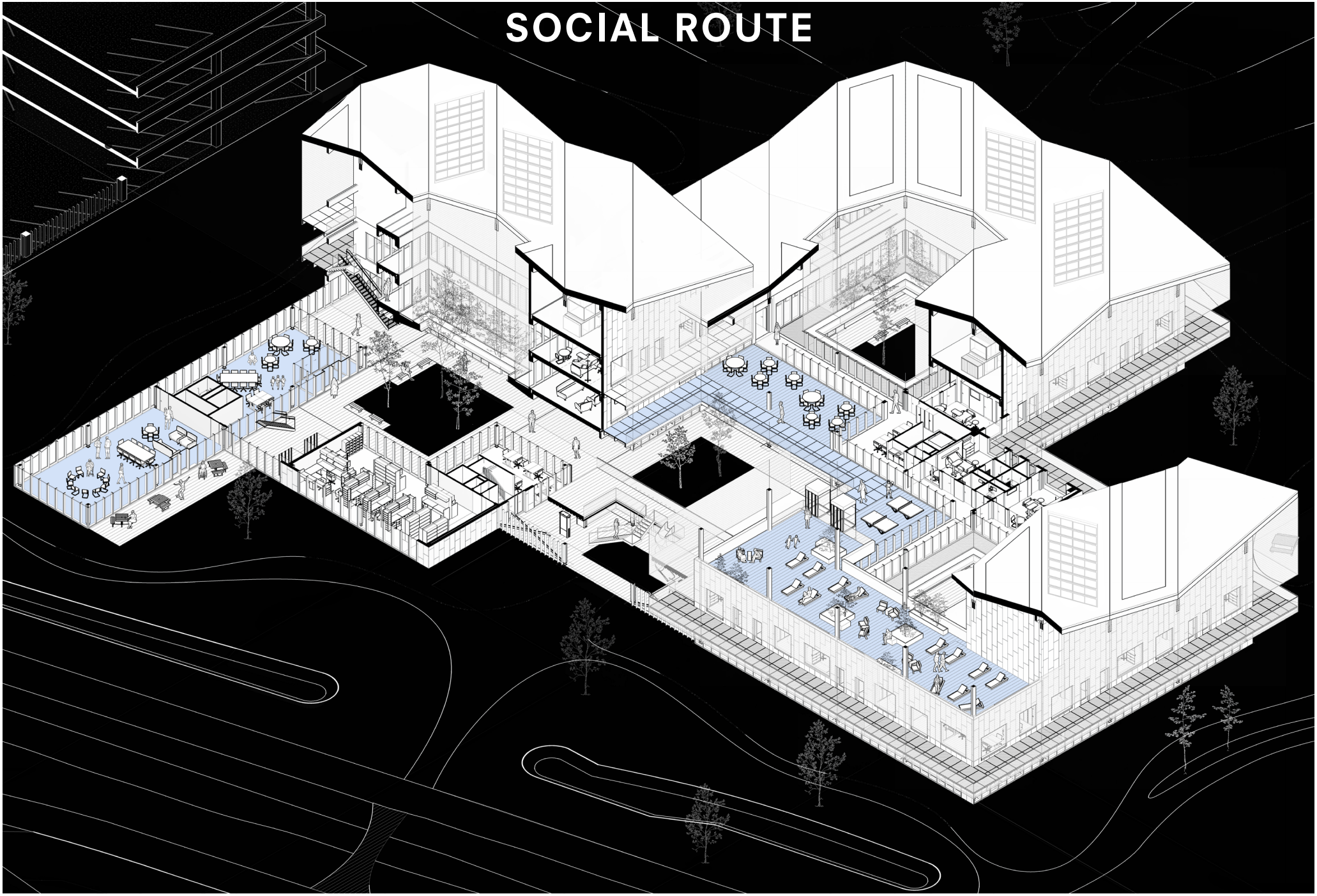
STAFF LOOP

PATIENT LOOP

PROGRAM



SOCIAL ROUTE



REFLECTION







