



Human and the Machine

P5 presentation
Krystian Woźniak - 4948084 - Explore Lab 32



BRÓDNOWSKI REGIONAL HOSPITAL IN WARSAW



HOVERING MEGA HOSPITALS



EMMIGRATION OUTSIDE THE CITY



DISTANCE TO THE PUBLIC



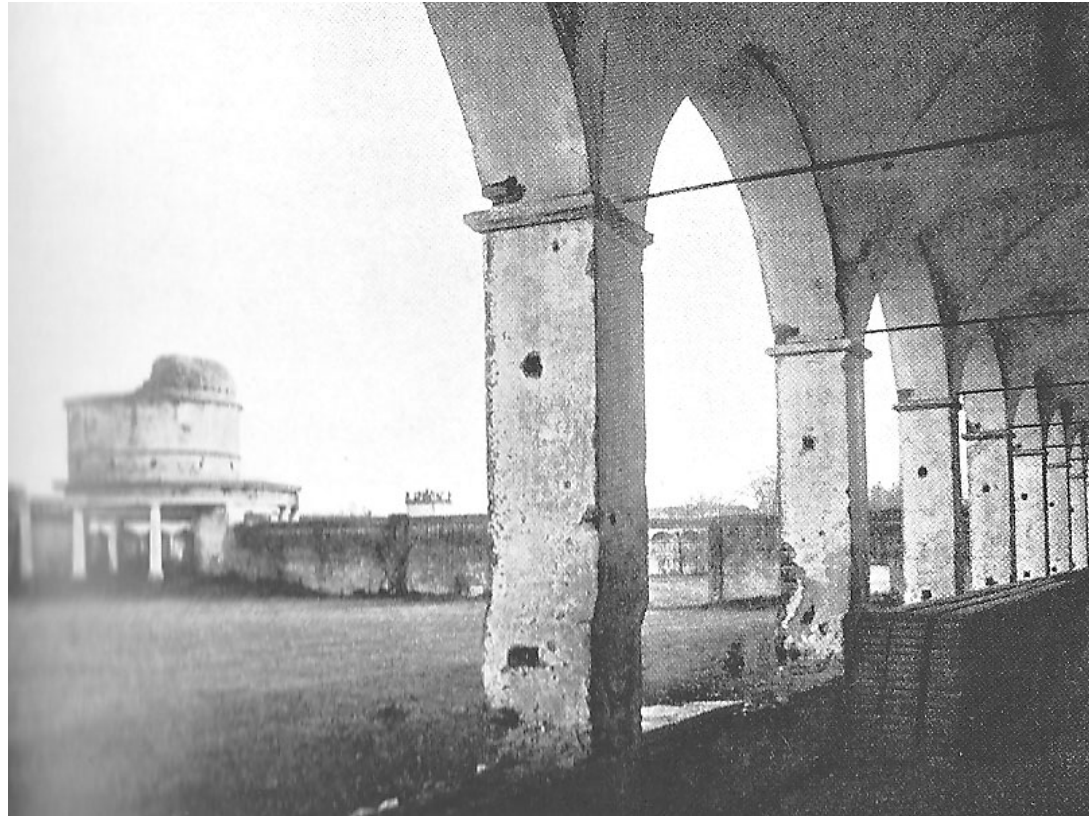
ENERGY CONSUMING BEASTS



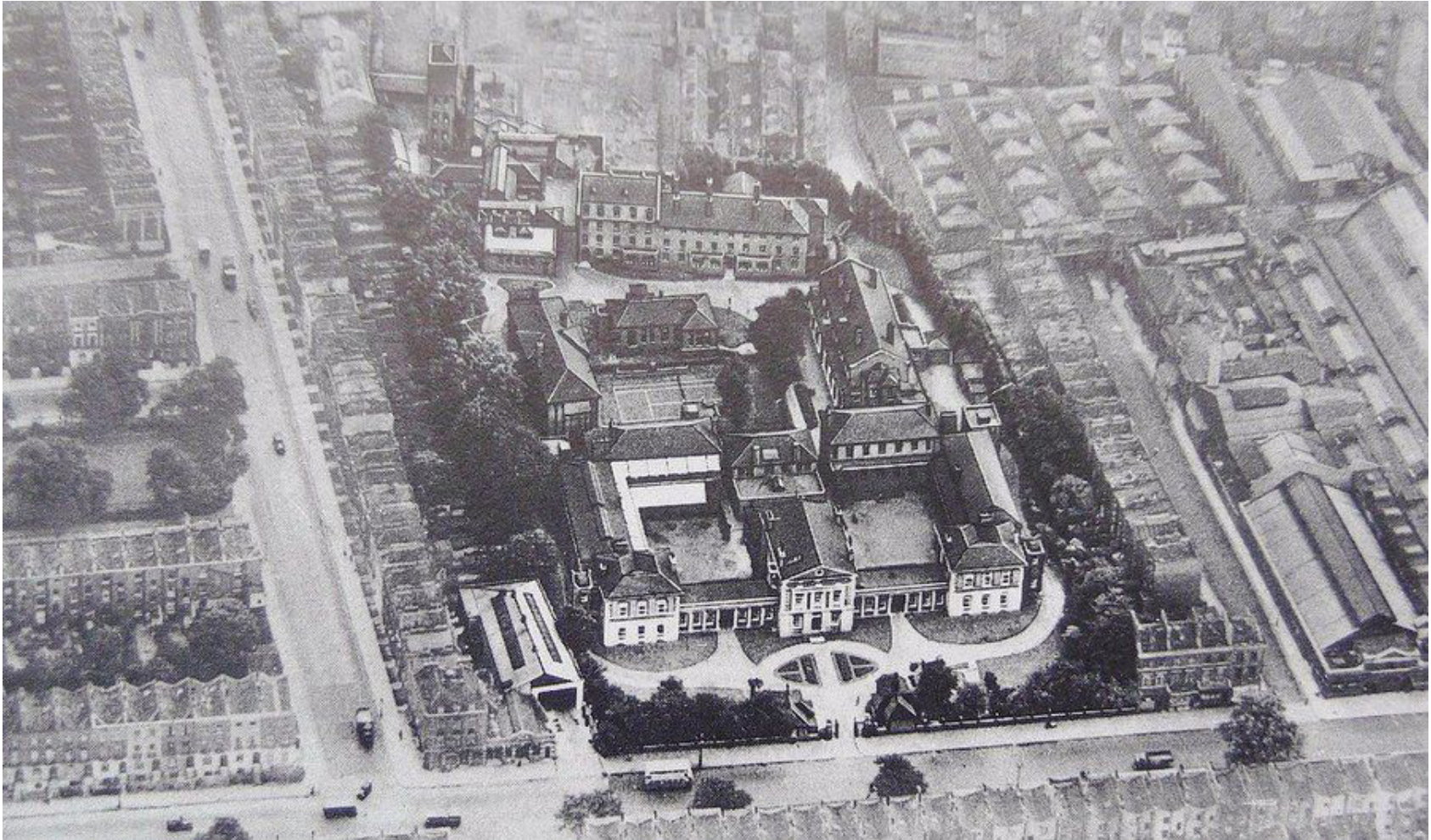
THE PROBLEM OF THE UNHUMANE ENVIRONMENTS



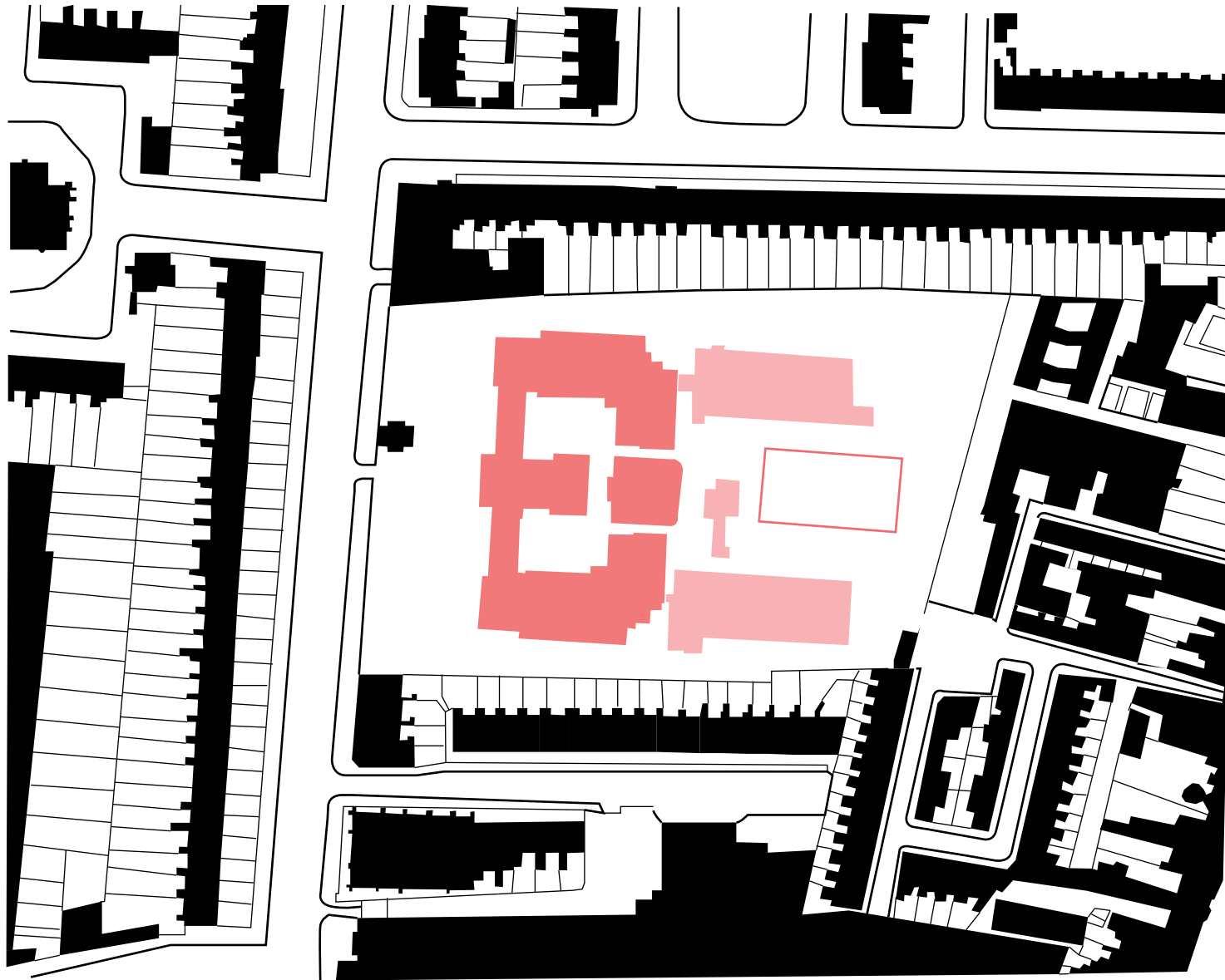
EXHAUSTION OF HEALTHCARE



INFECTION CENTRES IN THE PAST



LONDON FEVER HOSPITAL



LONDON FEVER HOSPITAL

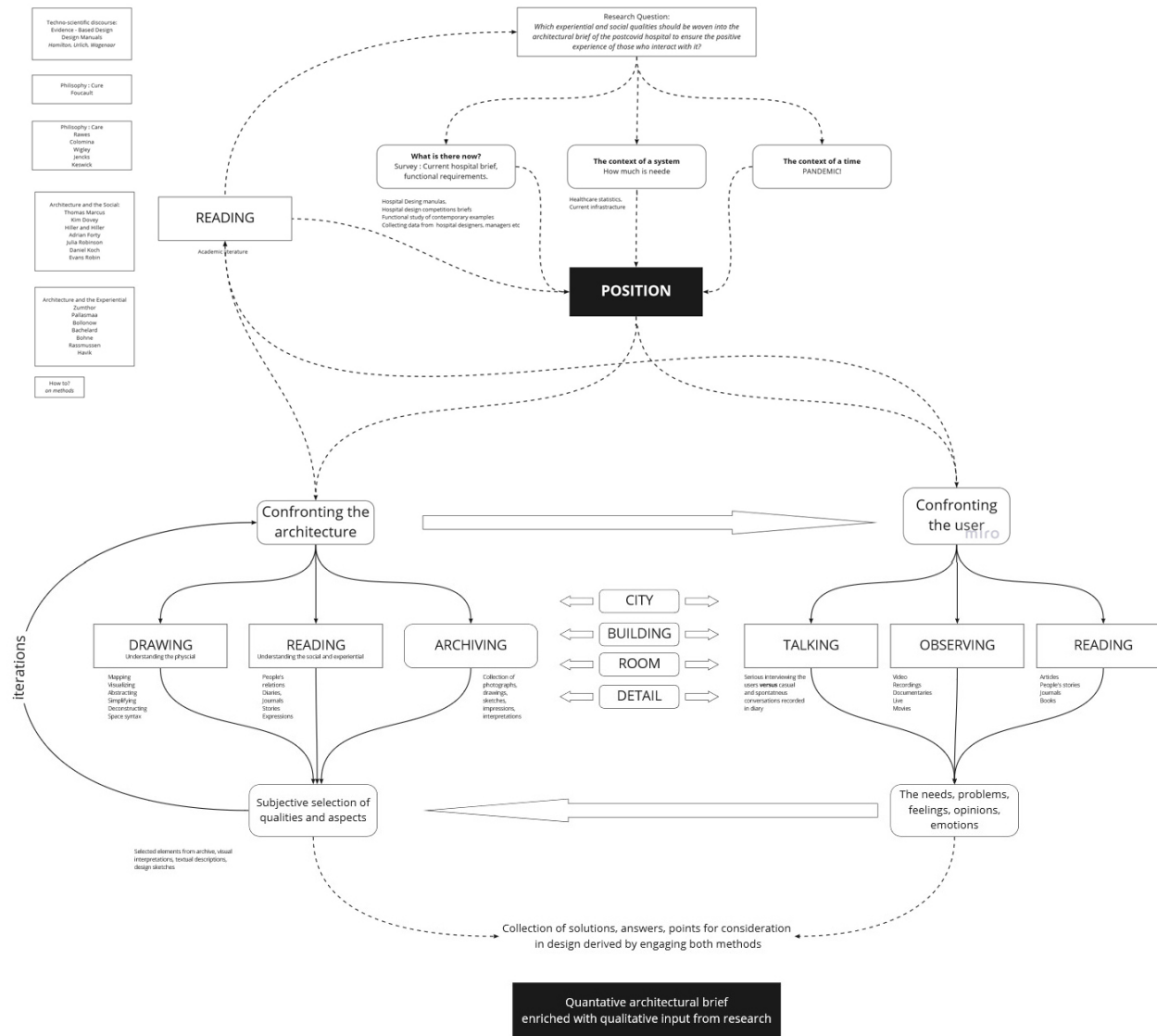


INFECTIOUS DISEASES HOSPITALS OF THE EARLY MODERNITY



CONTEMPORARY INFECTIOUS DISEASES HOSPITALS

Human and the Machine - P5 presentation

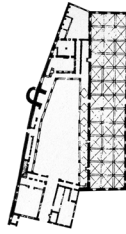


REASERCH PLAN

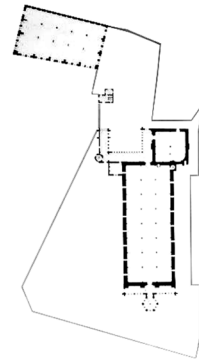


FEMINIST CRITIQUE

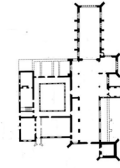
Human and the Machine - P5 presentation



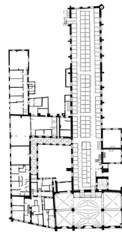
Heilig-Geist-Spital Augsburg 1150



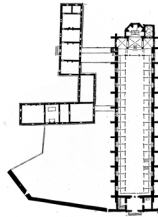
Saint-Jean Hospital in Angers 1174



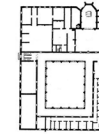
St Giles' hospital 1249



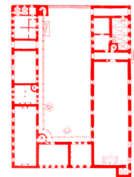
Heiligen-Geist-Hospital Lübeck 1286



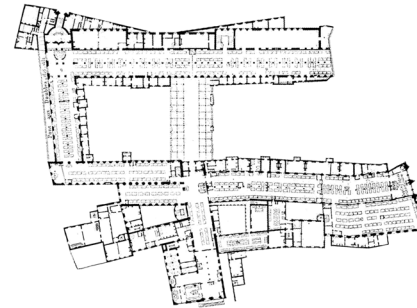
Hôtel-Dieu de Tonnerre 1293



Hospital de San Nicolás in Kues 1447



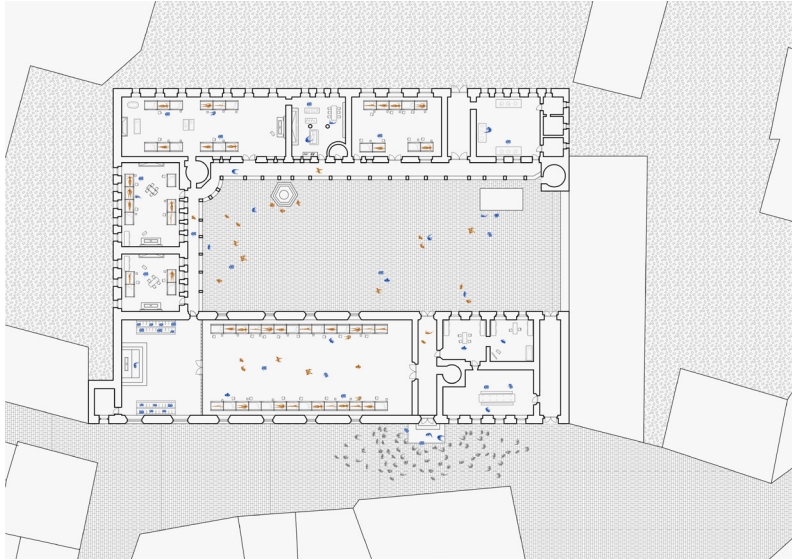
Hôtel-Dieu de Beaune 1451



Hôtel-Dieu de Paris 651
(taken from 1772 before fire and destruction of medieval structure)



HISTORICAL CASE STUDY RESEARCH



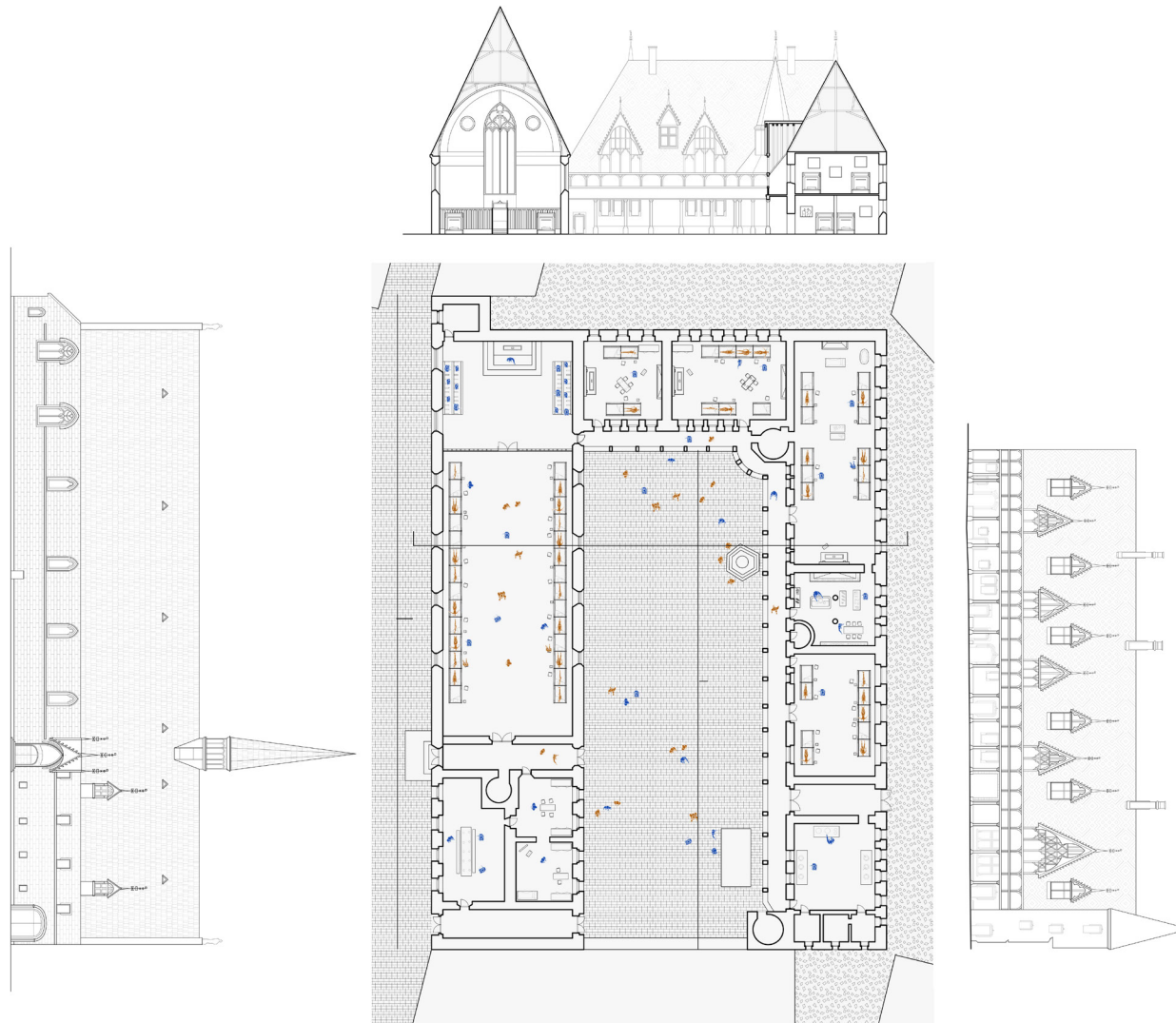
STUDIED SOCIAL ASPECTS



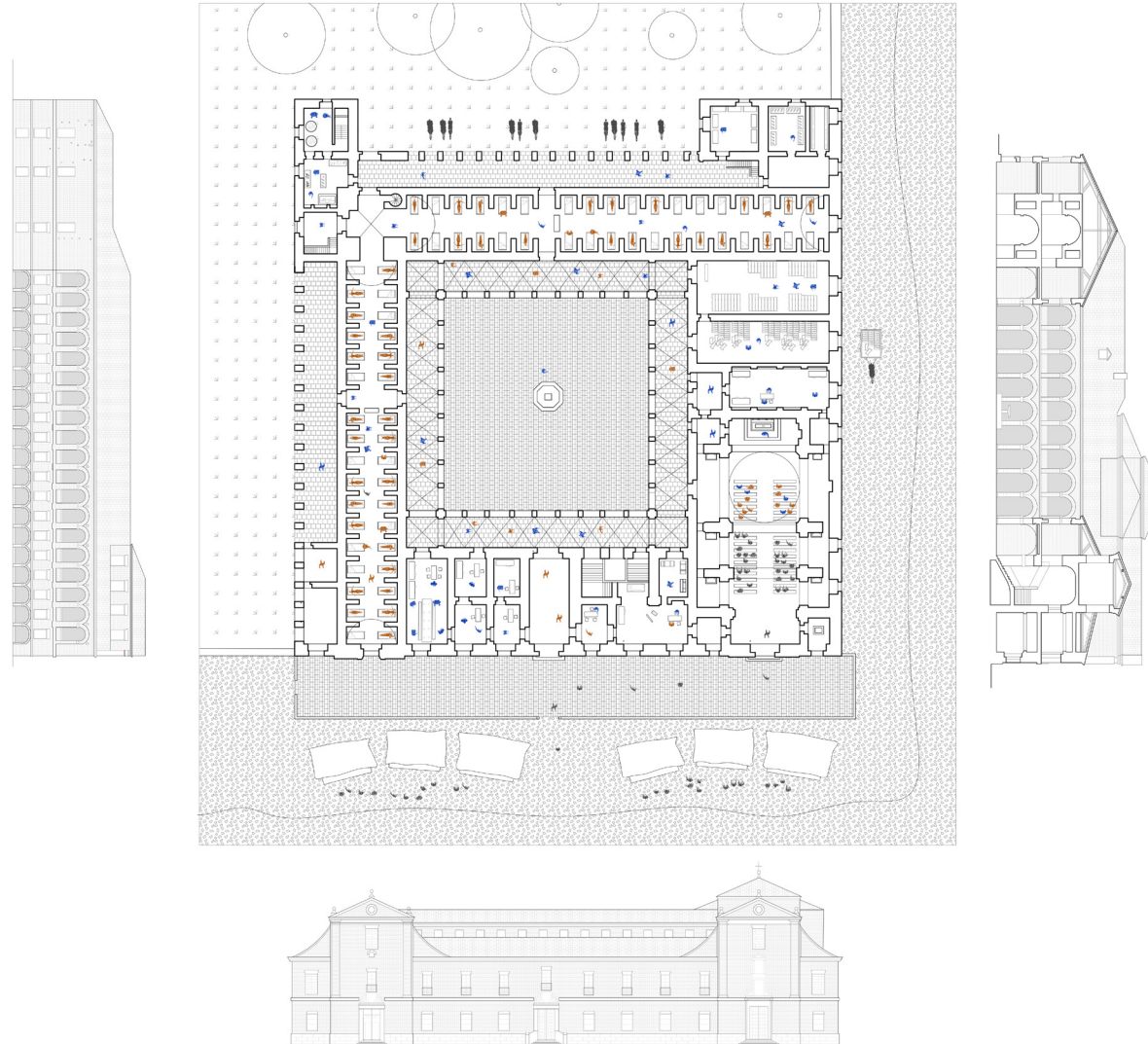
INTERVIEWS WITH HOSPITAL USERS

WHAT TYPE OF SOCIAL AND EXPERIENTIAL QUALITIES SHOULD BE WOVEN
INTO THE DESIGN OF THE POST PANDEMIC HEALTHCARE INSTITUTION TO
MAKE IT HUMANE?

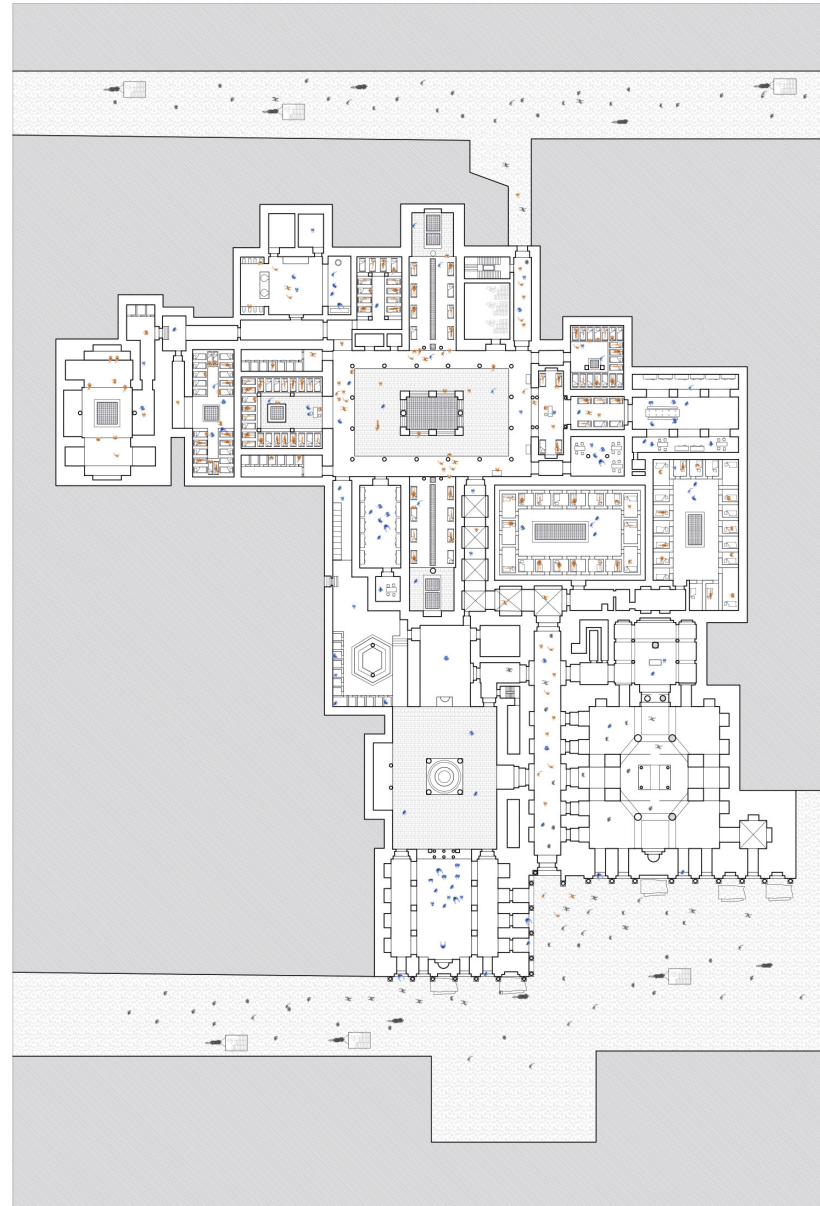
REASERCH QUESTION



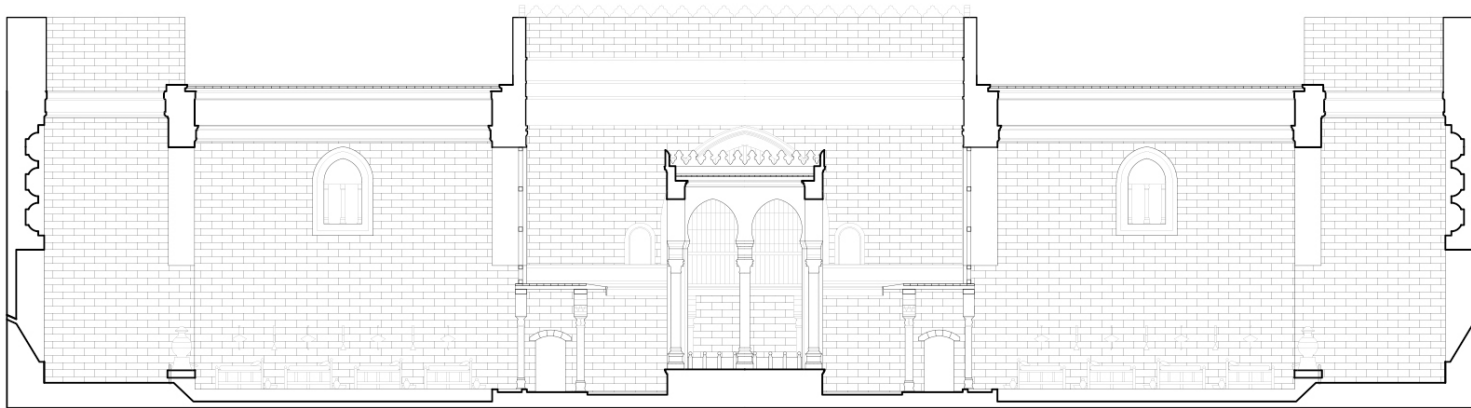
HOTEL DIEU DE BEAUNE



HOSPITAL SIMON RUIZ IN MEDINA DEL CAMPO

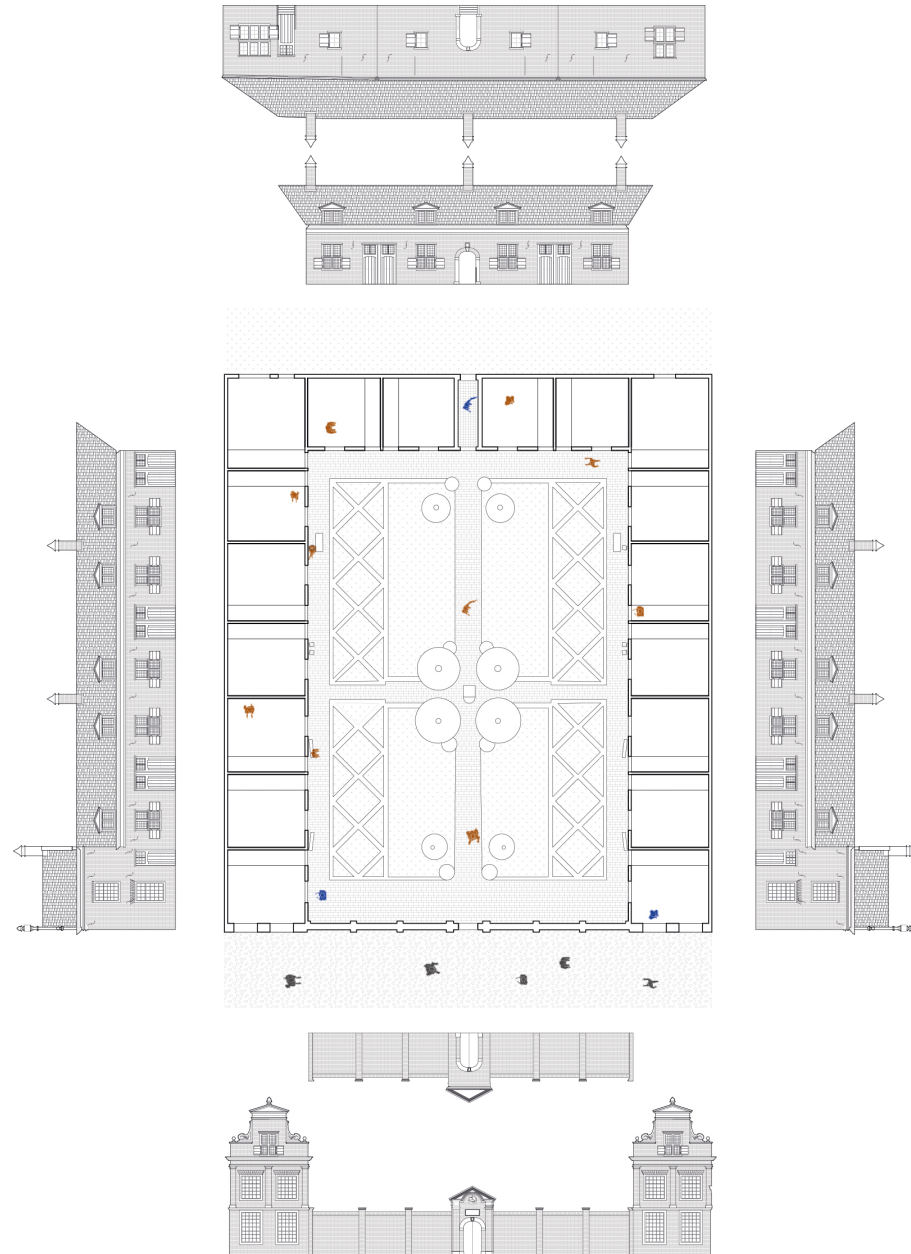


BIMARISTAN AL QALWUN IN CAIRO

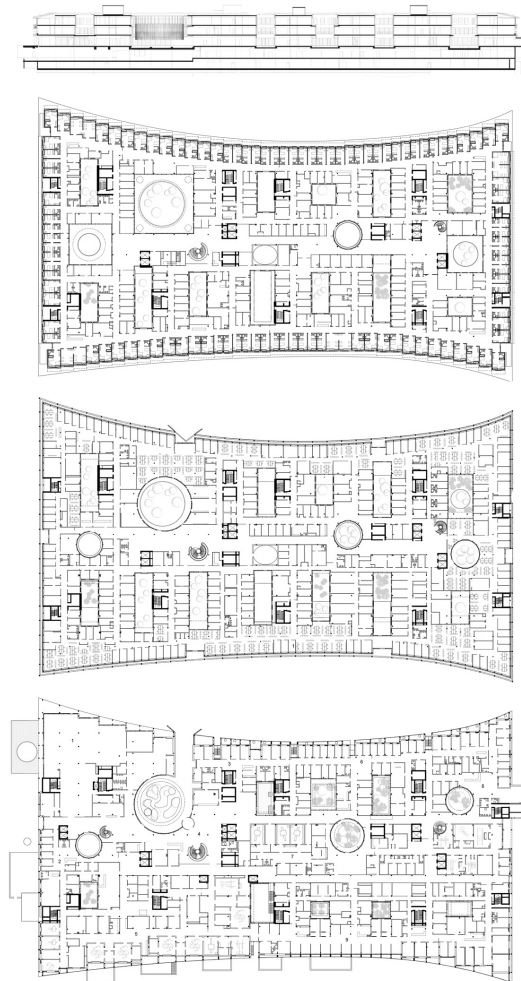
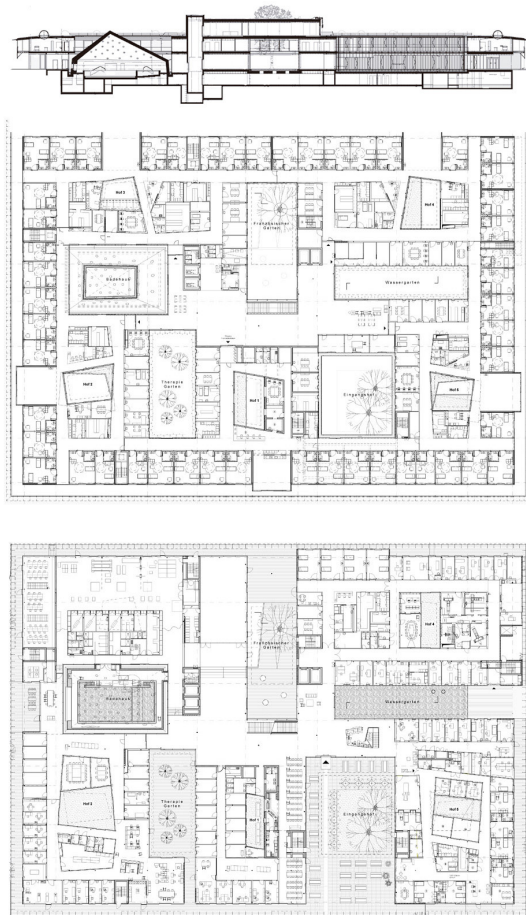


BIMARISTAN AL QALWUN IN CAIRO

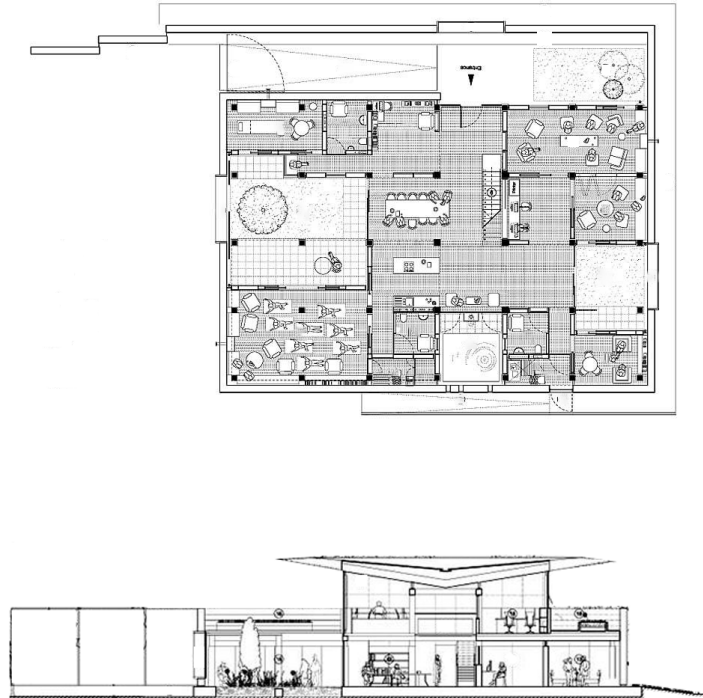
Human and the Machine - P5 presentation



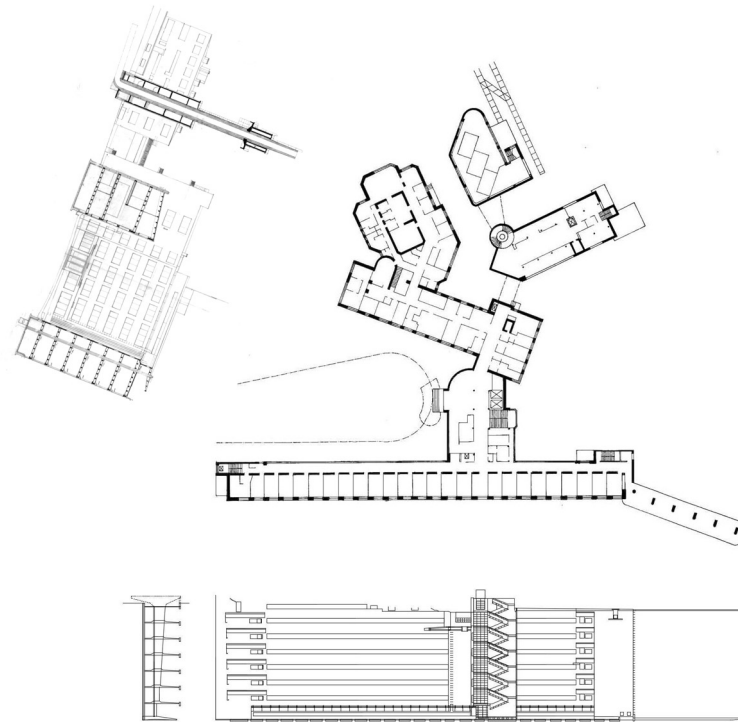
HOF VAN WAUW IN THE HAGUE



REHAB CLINIC IN BASEL AND KINDERSPITAL IN ZURICH BY HERZOG DE MEURON



MAGGIE'S CENTRE WEST LONDON



PAIMIO SANATORIUM BY ALVAR AALTO

Questions in Interviews with Hospital Staff pertained to functional aspects of hospital (daily routines) and experiential (feelings).

„In general, we tried to, get everything we have to do, in one go, because we had to get dressed, put on all this outfit.” - doctor

Perhaps an interesting design task would be to come up with a different way to transport patients inside the hospital, or so that they can enter from the back. It is often the case that a nurse or cleaner in just a facemask has to look for cover in panic when they hear the phrase "covid patient." - doctor

The hospital's location is a great solution. Due to its pavilion-like development, the hospital actually sits in a park, providing soothing views for patients and staff. - doctor

„A common room in the dirty zone would mentally support patients who are in single rooms. This is a very interesting idea, and it would certainly be useful to do research regarding the impact of interpersonal interactions of people in infectious diseases hospitals.” - doctor

SELECTED QUOTES FROM INTERVIEWS

Questions in Interviews with Hospital Staff pertained to functional aspects of hospital (daily routines) and experiential (feelings).

„Instead, I can recall a place where I felt comfortable. In the main building, there is this kind of glass patio, sort of extending beyond the outline of the building.[...]

I go there to relax work, for example when I'm waiting to see patients. I take a book on anesthesiology, something to drink and go there to relax for a while.”

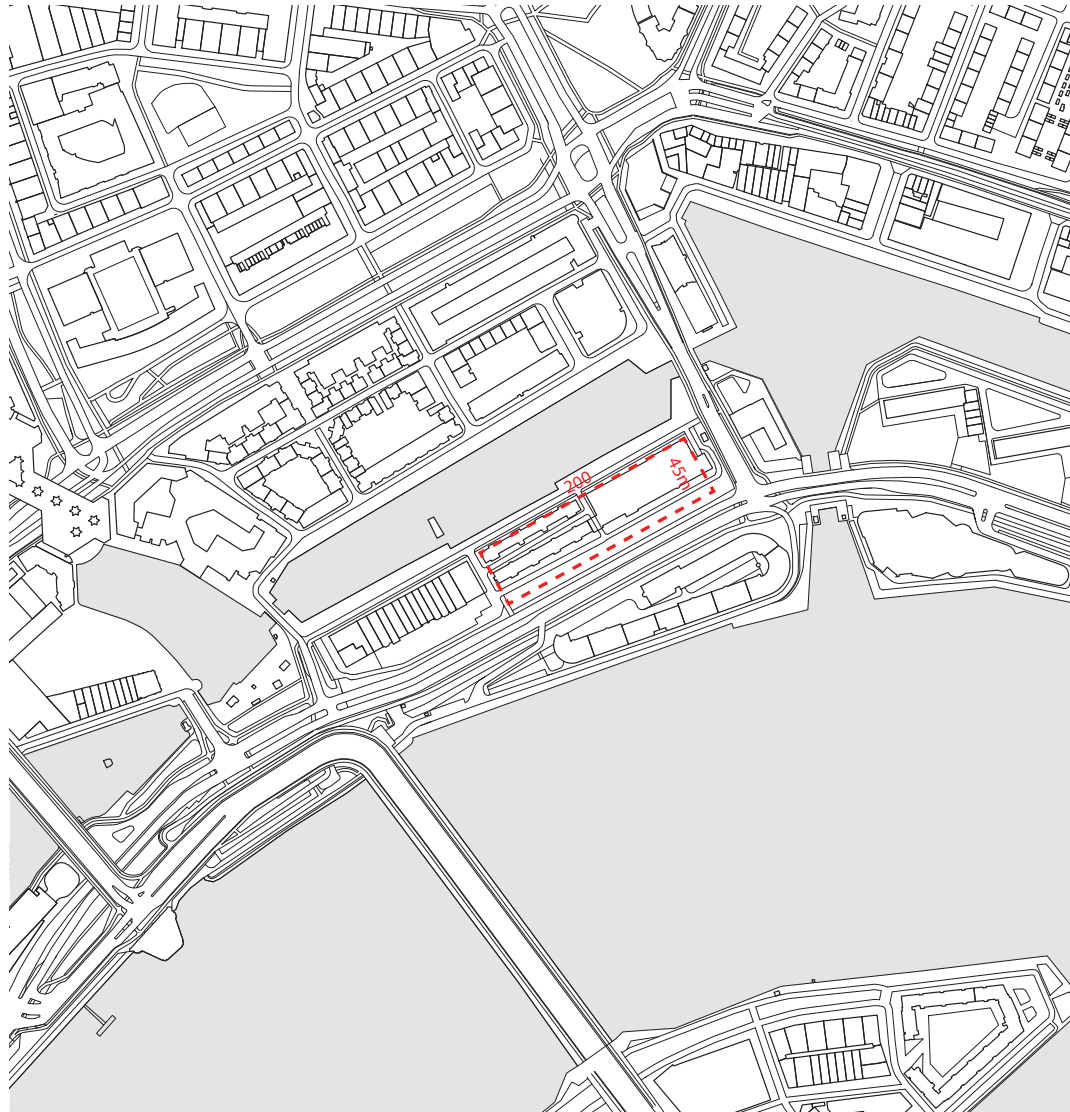
- young doctor

„The doctor never visited me without a mask, she was always dressed in this space outfit” - patient

„so that the equipment is hidden, so that it does not stick out of the walls, so that it is not so immediately visible at first glance” - patient

„My window overlooked exactly the part of the hospital where the ambulances pulled up, where patients were brought in. And let me tell you, it was also a bit of a traumatic experience.” - patient

SELECTED QUOTES FROM INTERVIEWS



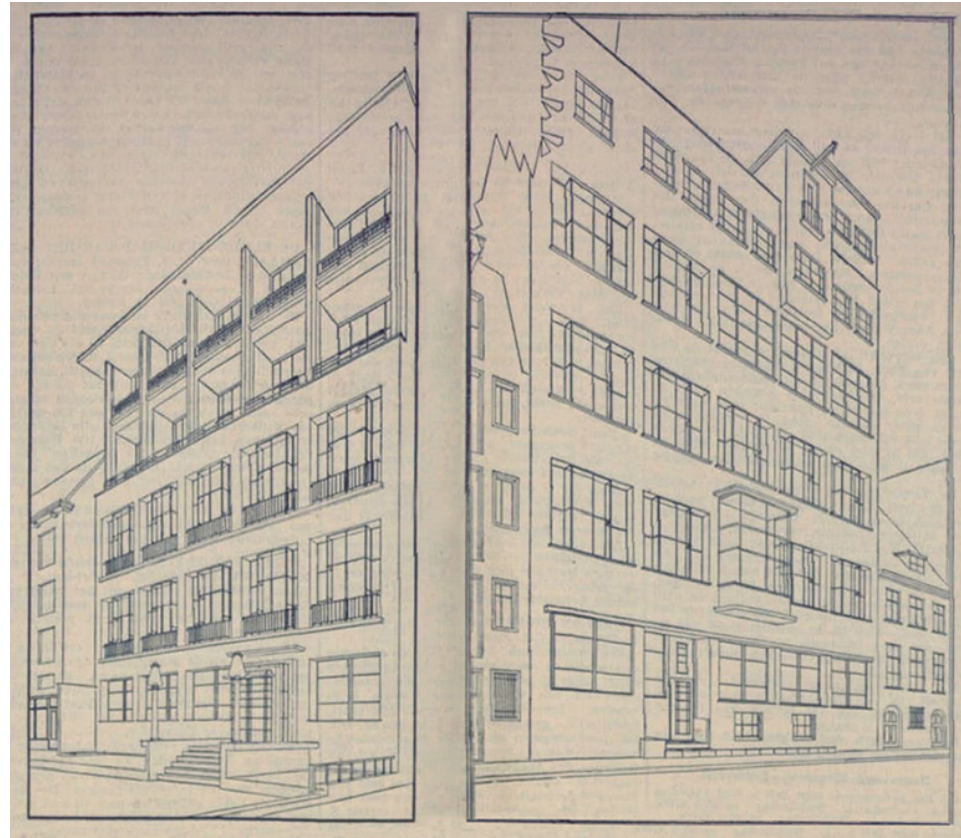
SITE



ORIGIN OF HARRINGVLIET



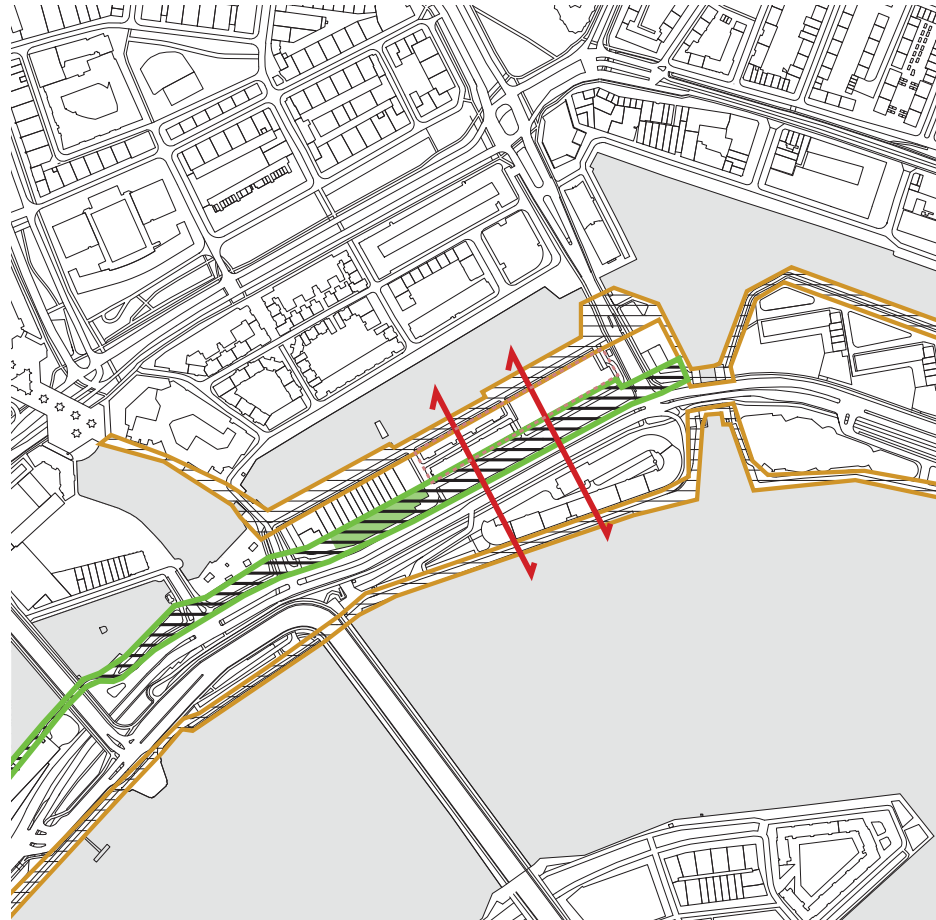
OLD HOSPITAL FOR TROPICAL DISEASES IN ROTTERDAM HARRINGVLIET



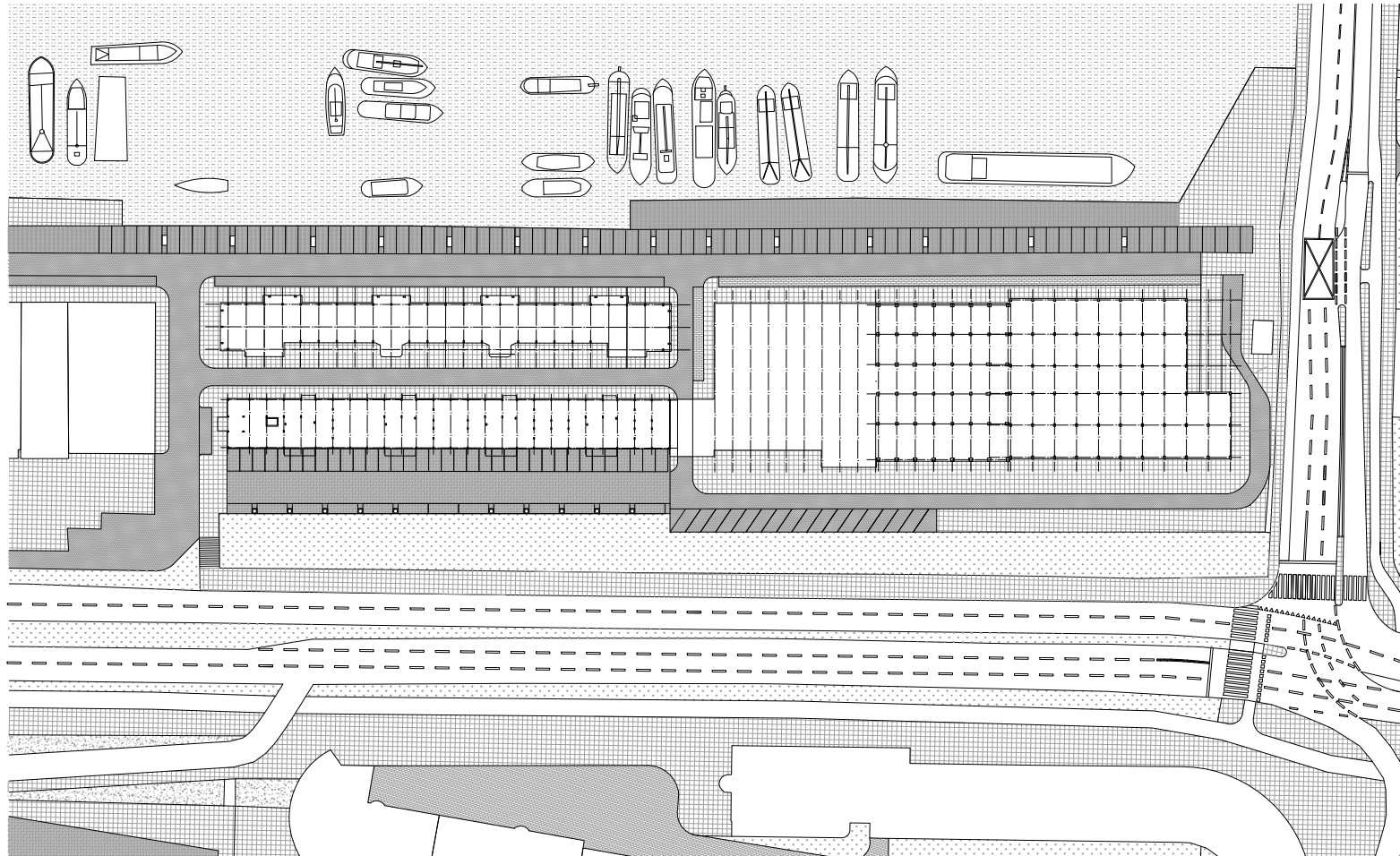
MODERNIST HAVENZIEKENHUIS AT ROTTERDAM HARRINGVLIET



SITE SURVEYS



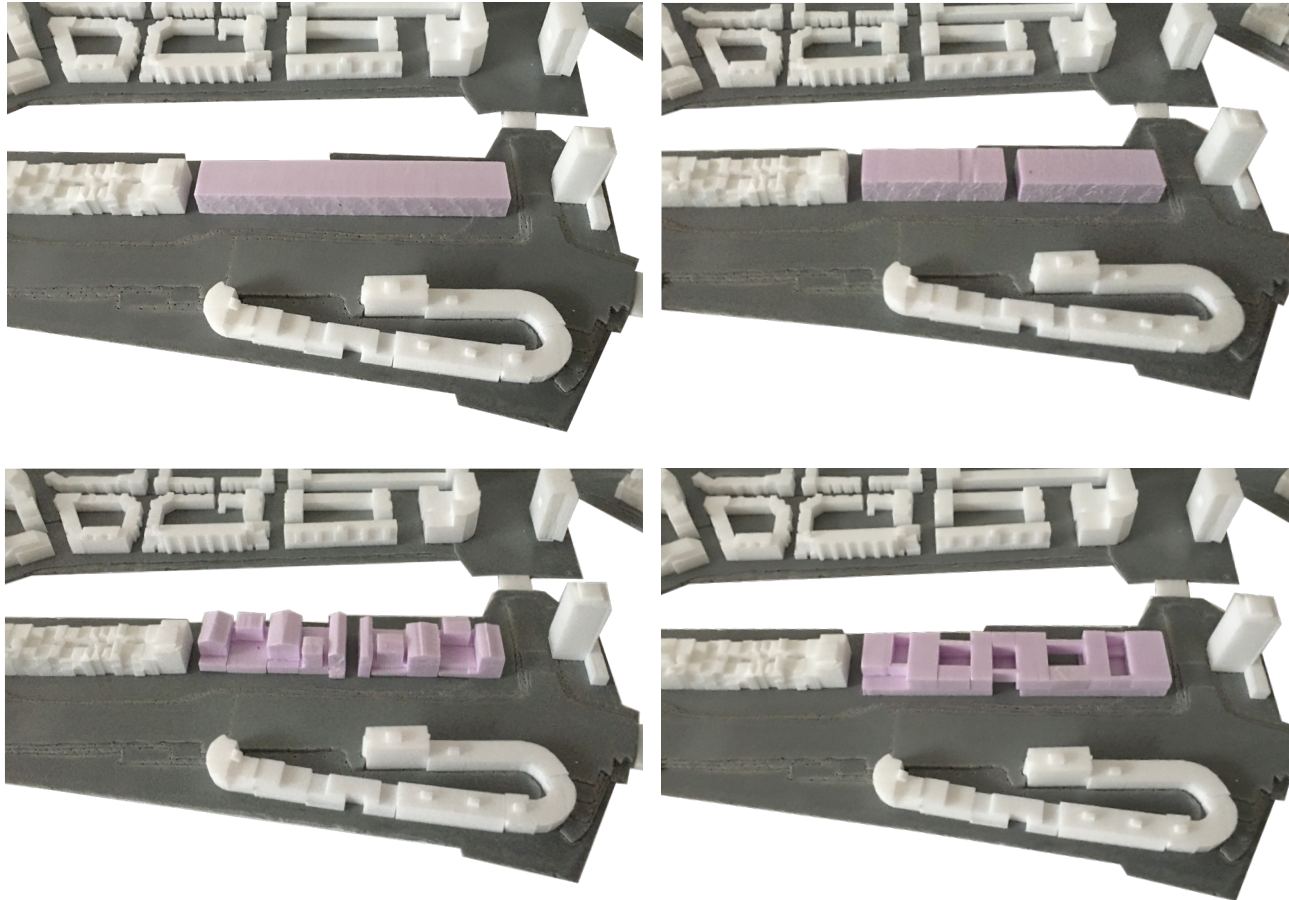
SITE ANALYSIS CONCLUSIONS



SITE - CURRENT STATE

DESIGN - INFECTIOUS DISEASES HOSPITAL

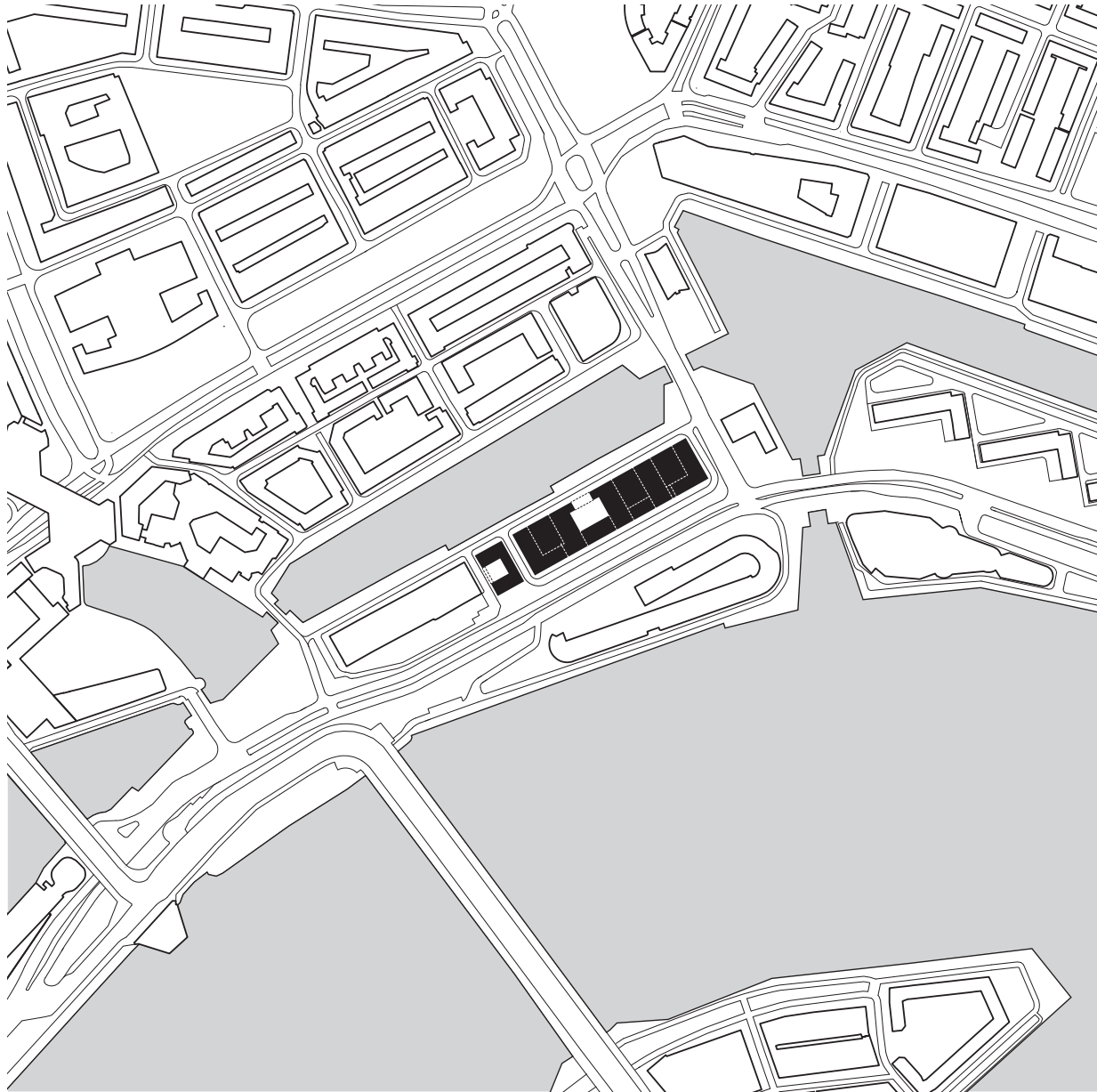
SITE - CURRENT STATE



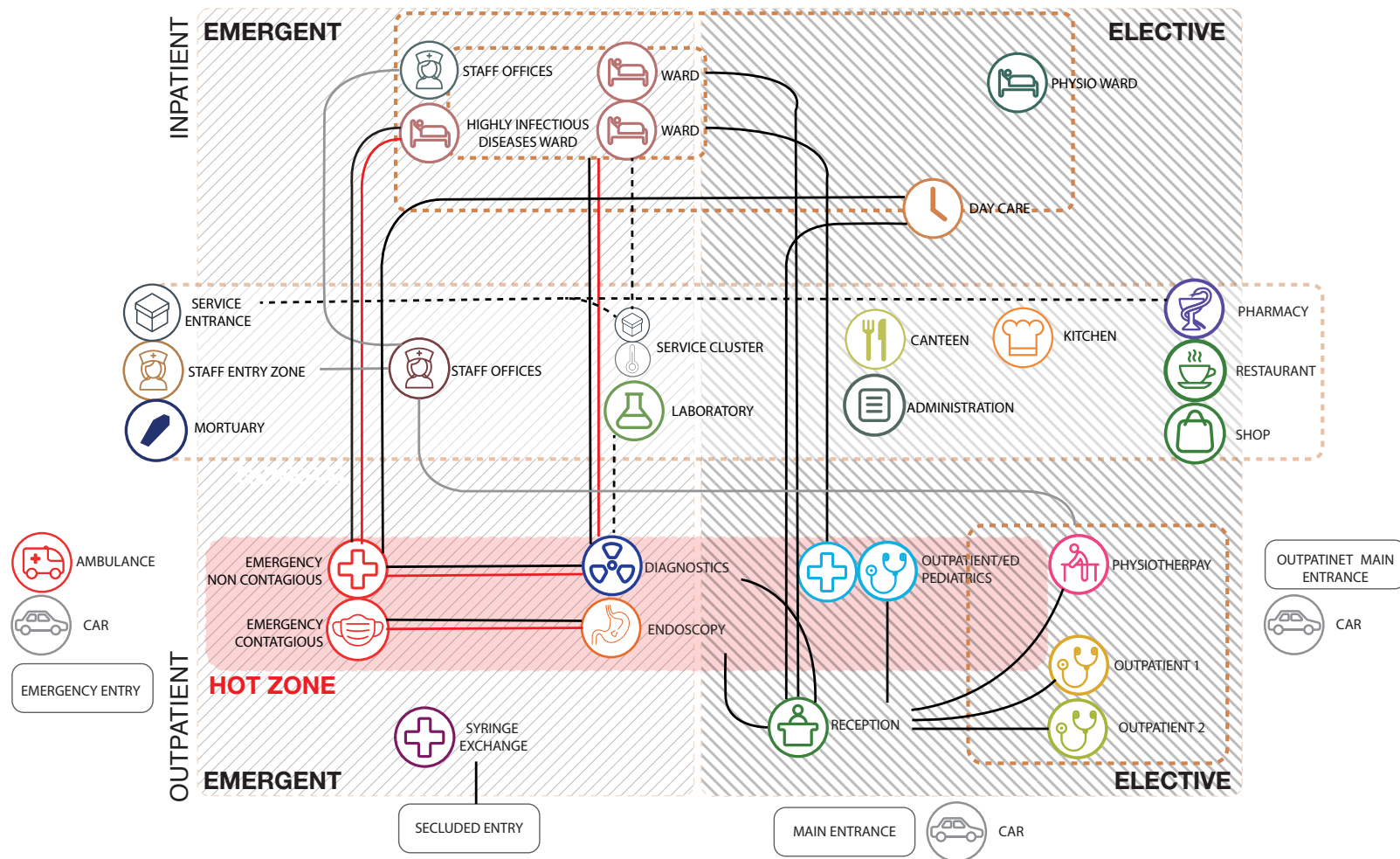
PHYSICAL MODEL STUDIES



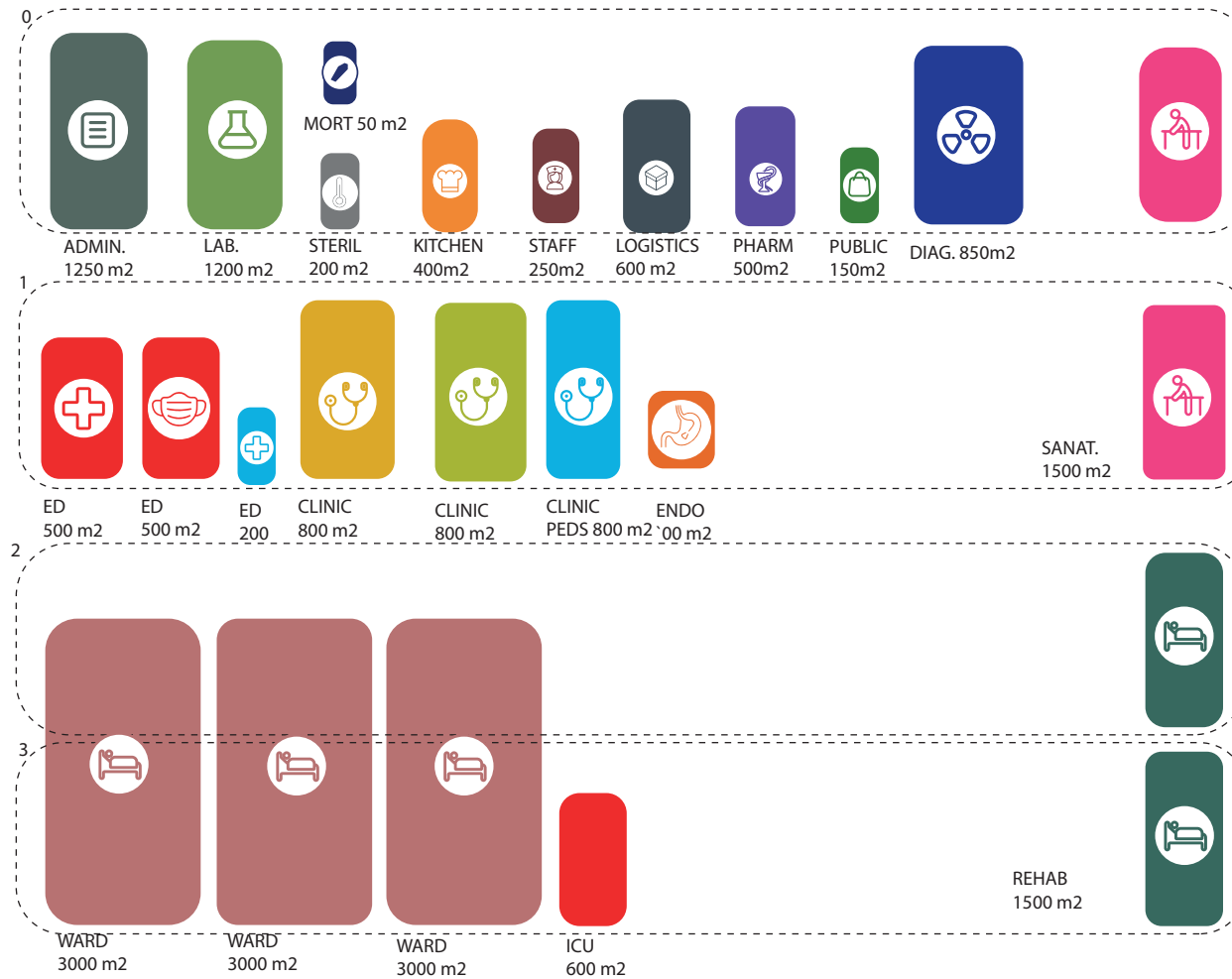
IDEAS FROM P2 - TWO NEEDED FACES - FORMAL AND INFORMAL



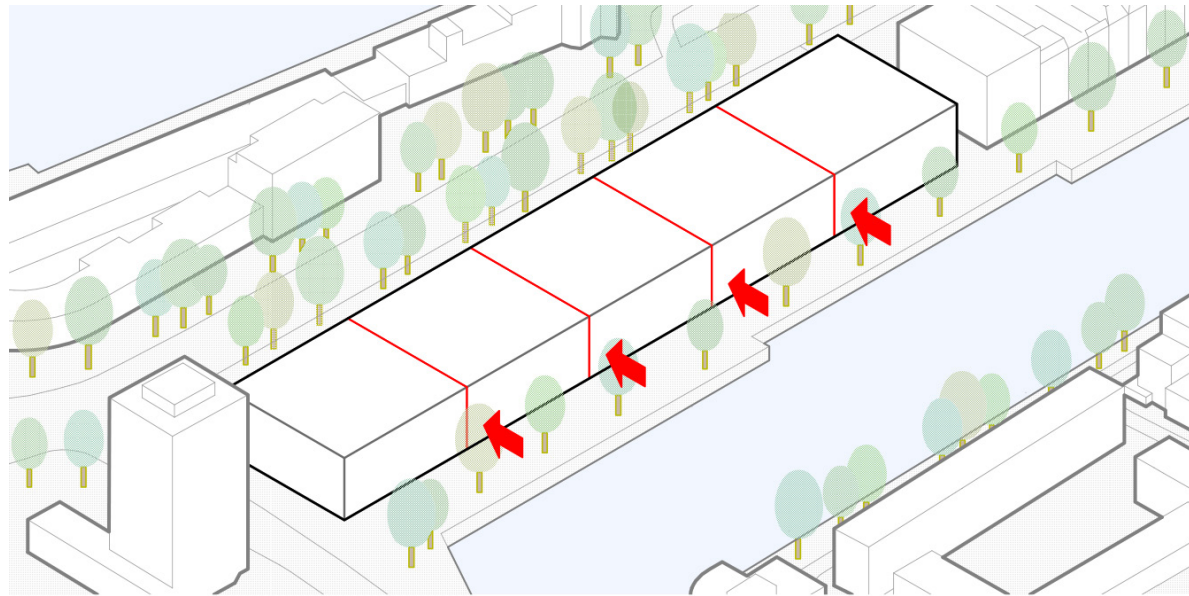
SCHWARZTPLAN



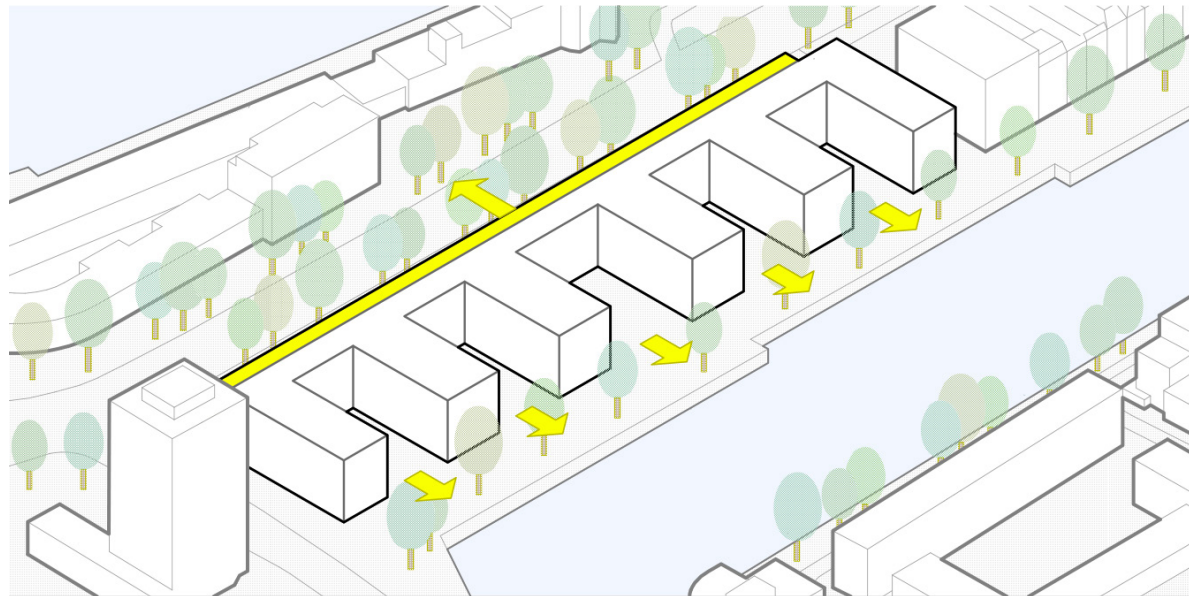
INFECTIOUS DISEASES HOSPITAL - FLOW DIAGRAM



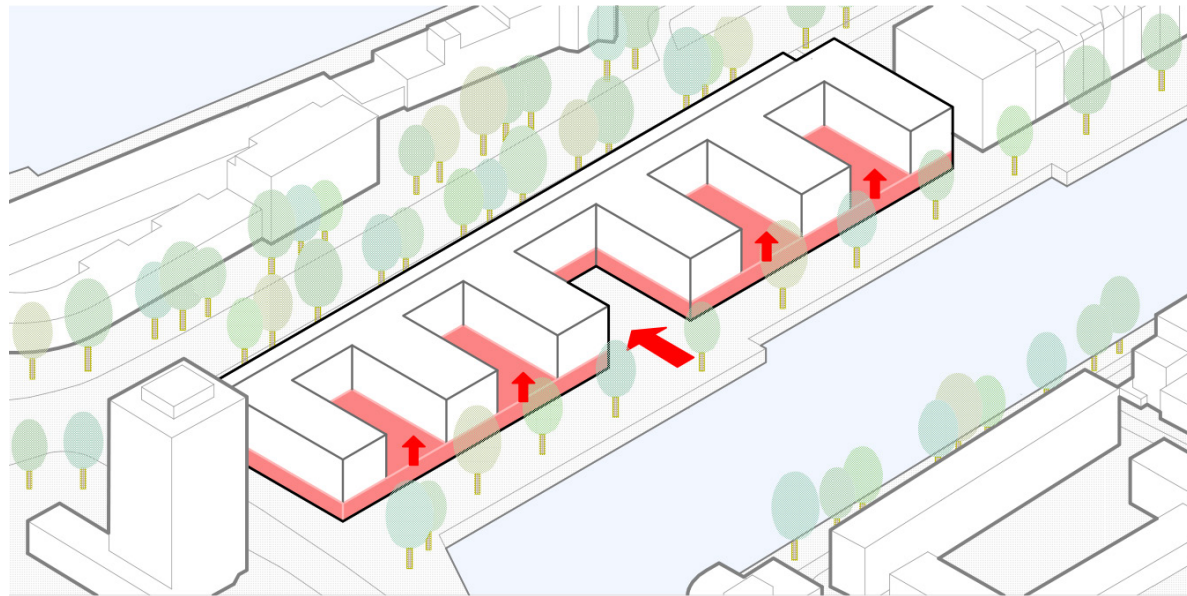
PROGRAMME SIZES DIAGRAM



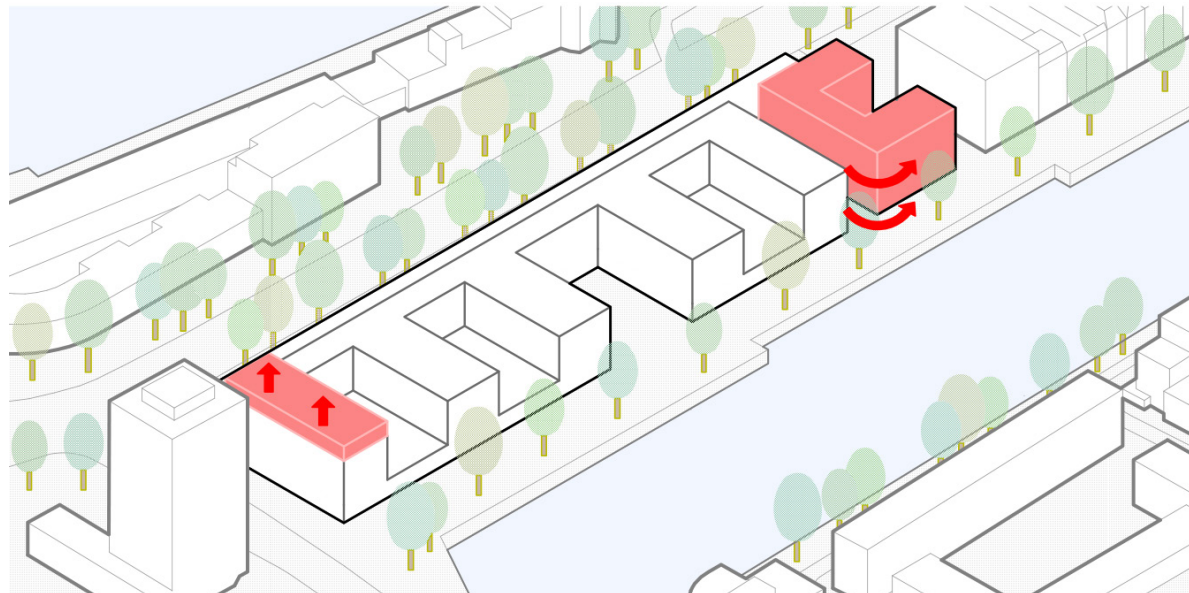
CONCEPT DIAGRAM - DIVISION OF THE LONG BLOCK



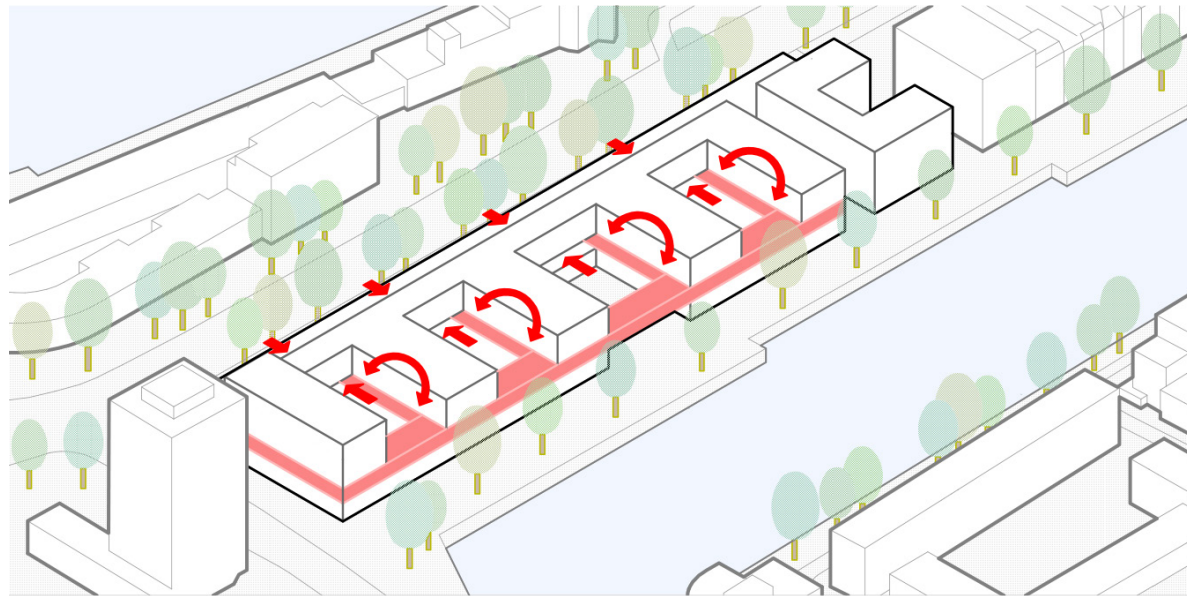
CONCEPT DIAGRAM - HALF-COURTYARDS AND THE TERRACE



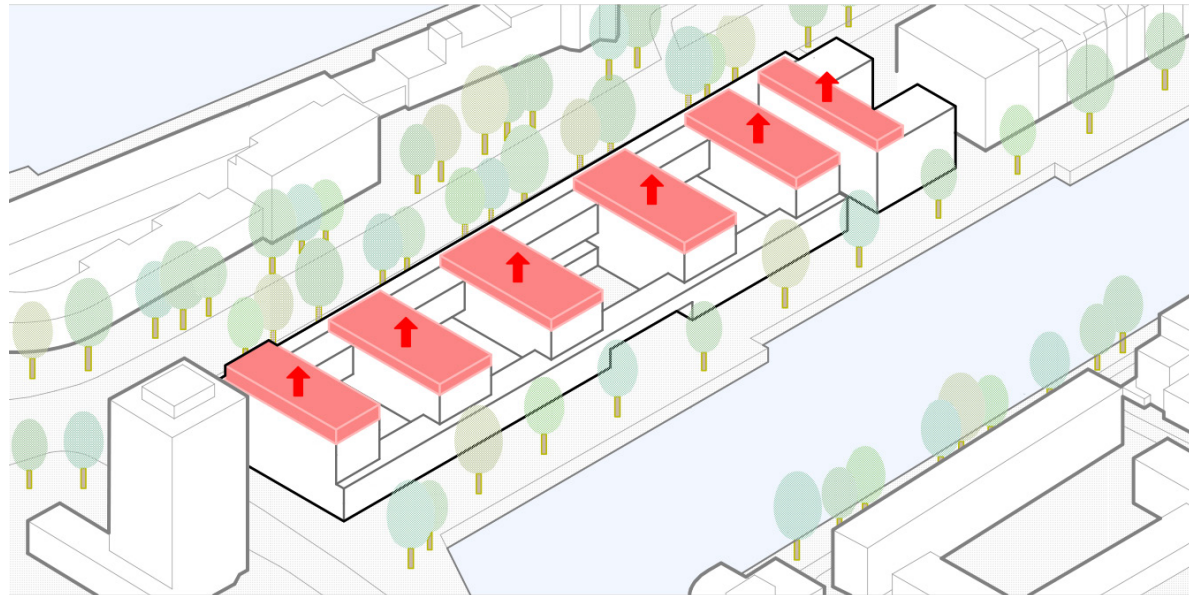
CONCEPT DIAGRAM - PLINTH AND MAIN COURTYARD



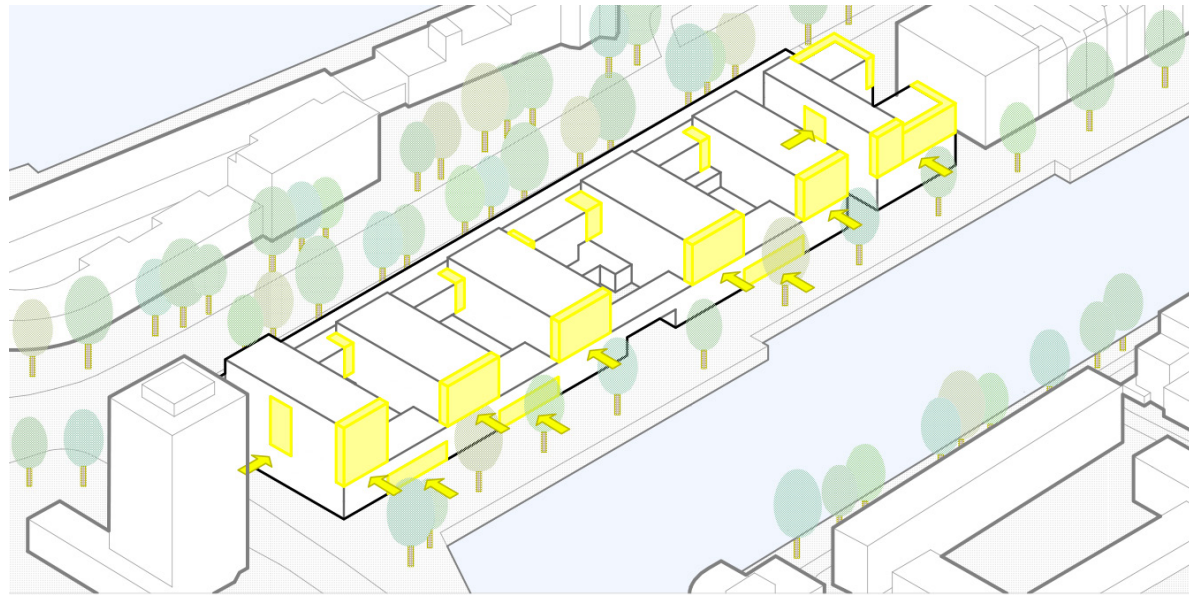
CONCEPT DIAGRAM - ENDINGS - HEIGHT ACCENT AND ROTATED SANATORIUM



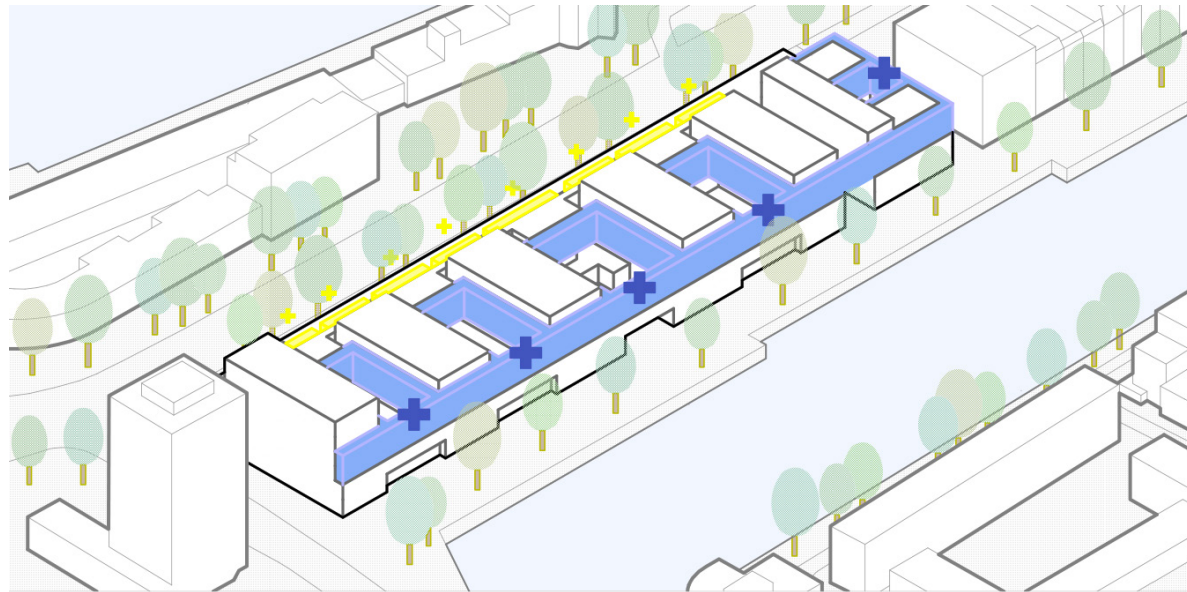
COURTYARDS OPENED TO MAASBOULEVARD - DOUBLE FRONT SIDE



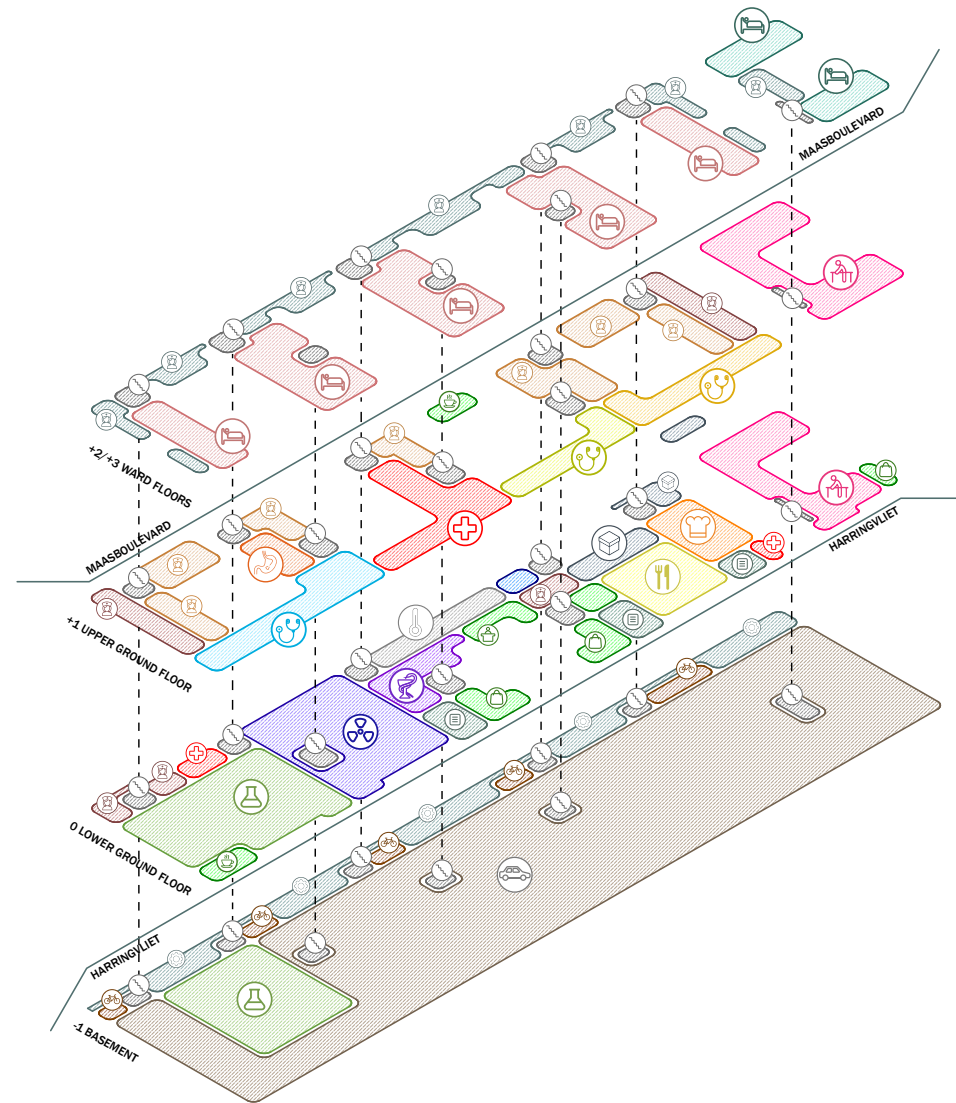
TECHNICAL SPACE ON THE ROOF OF THE N-S BLOCKS



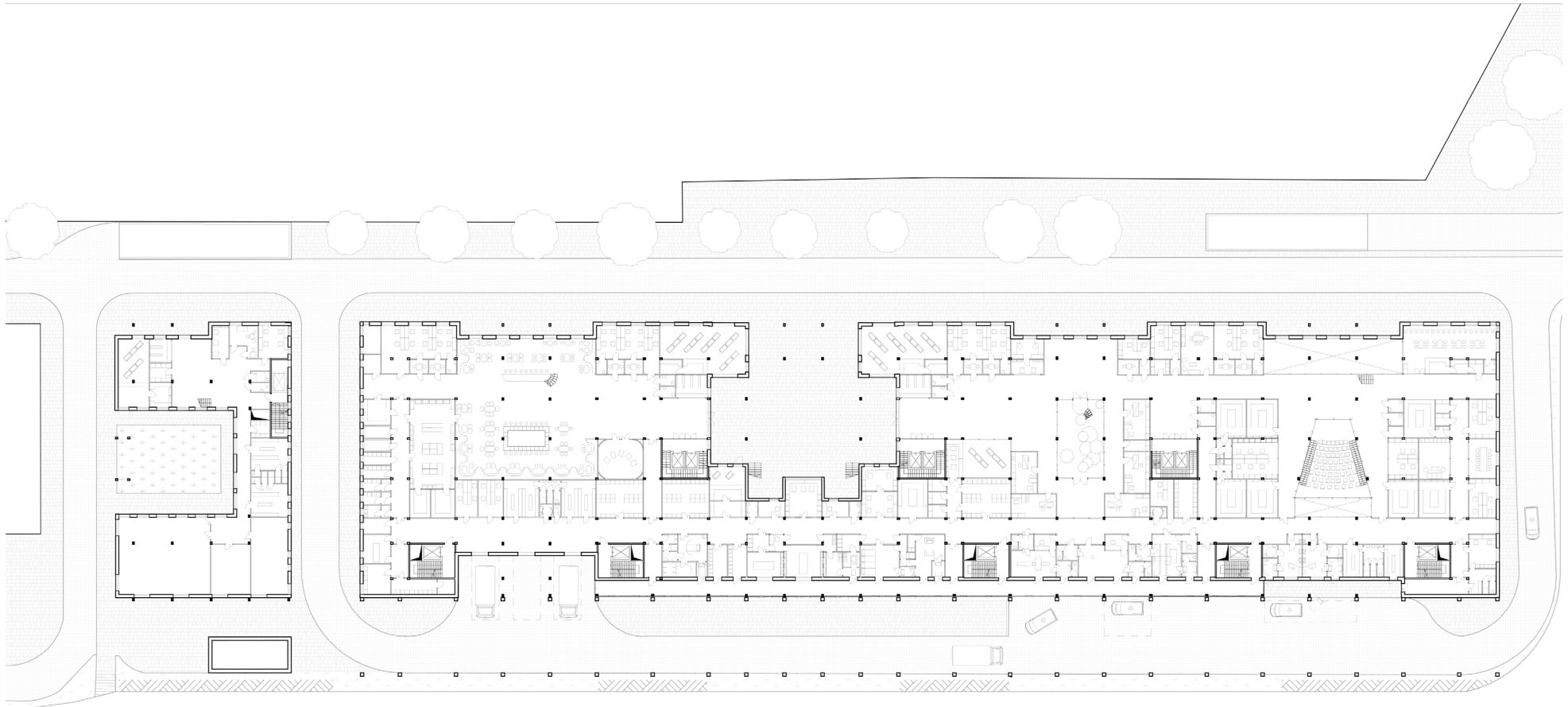
INTEGRATION OF NICHES, TERRACES



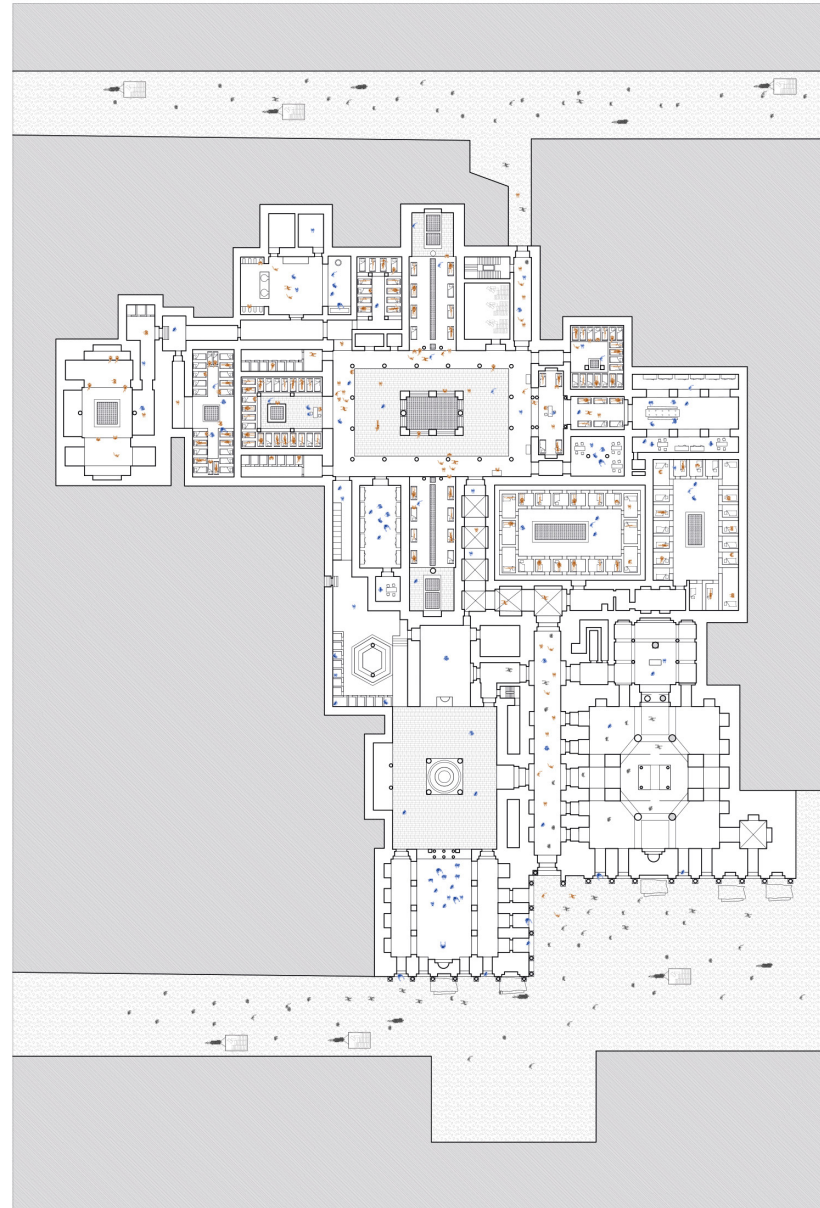
CONCEPT DIAGRAM - OUTSIDE CORRIDOR



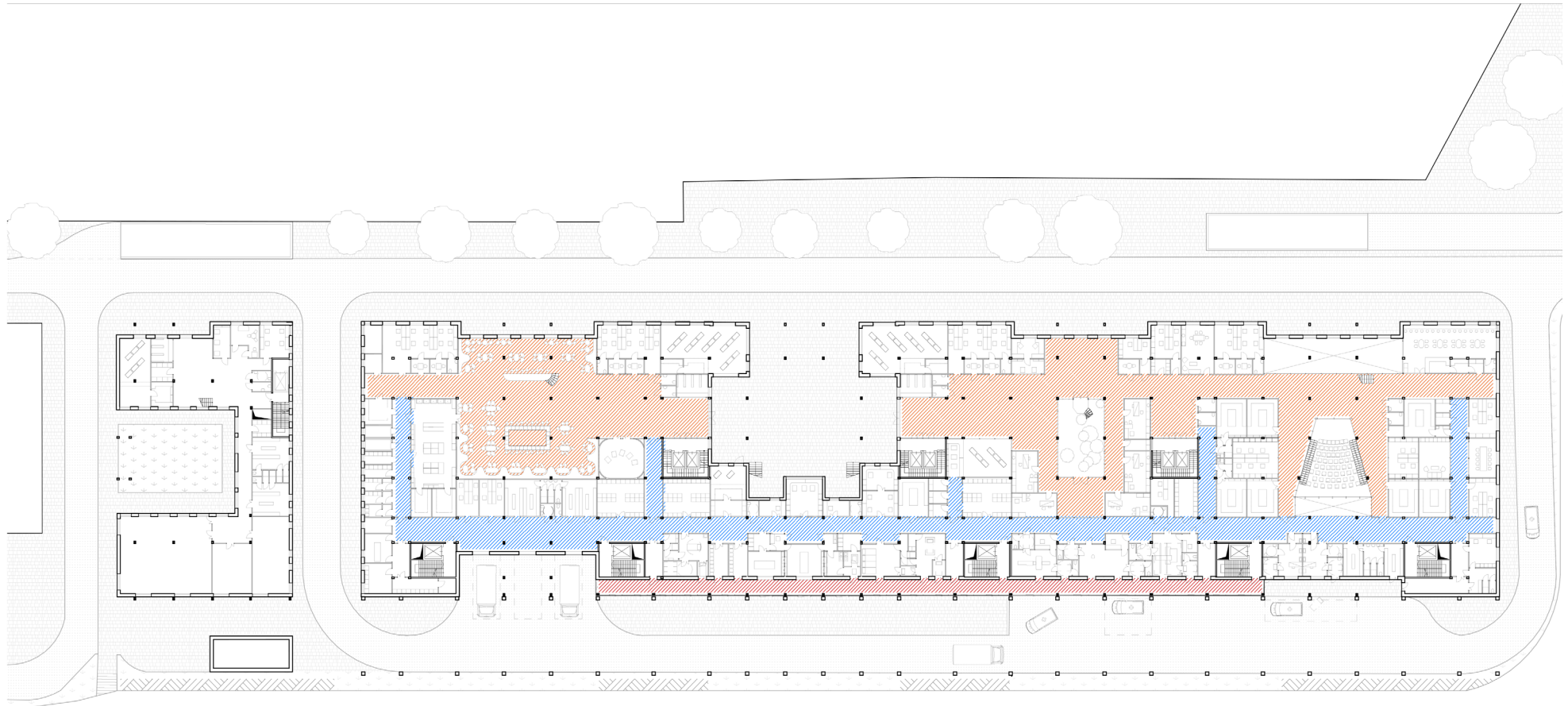
FUNCTIONAL DIAGRAM



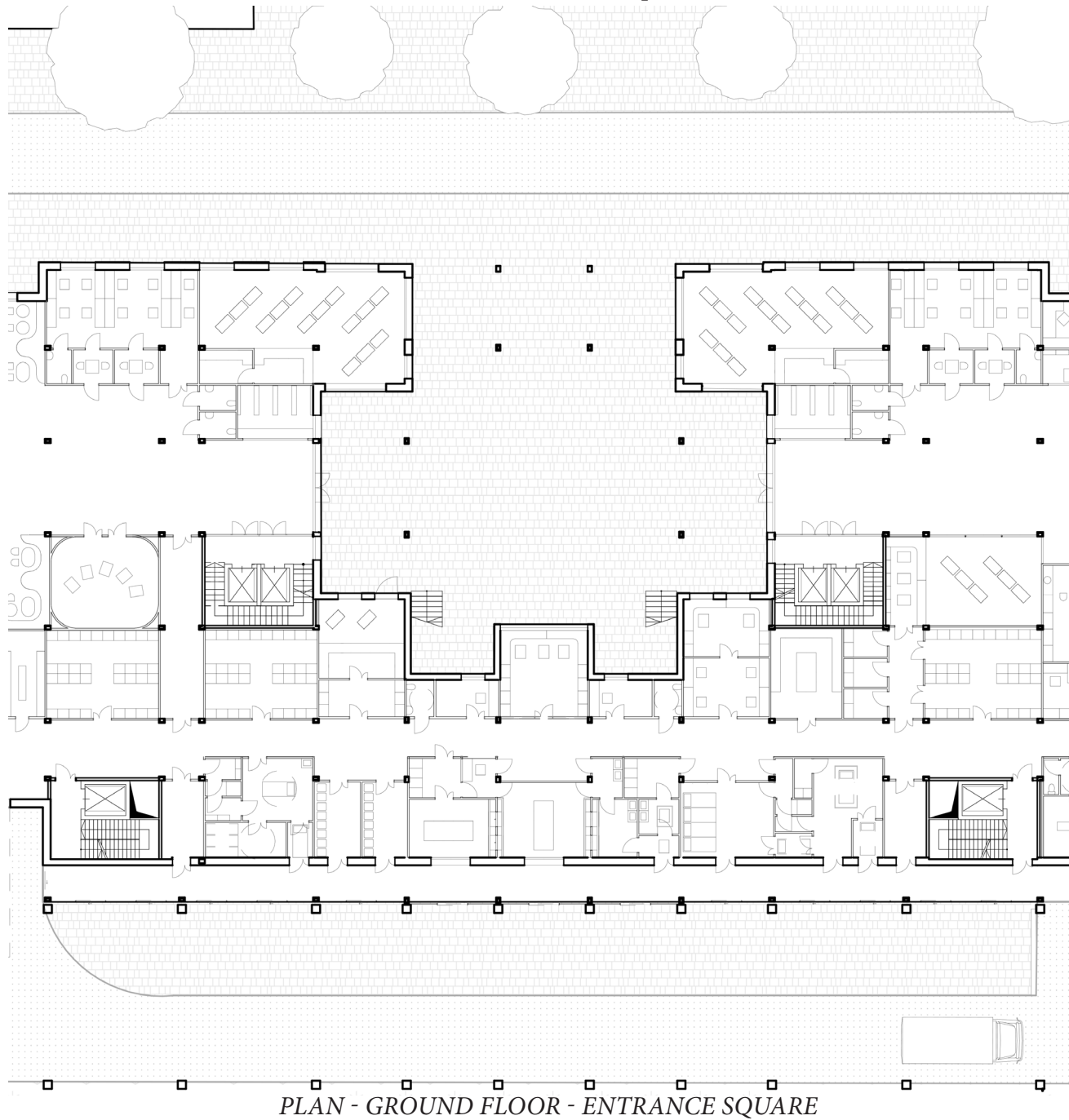
PLAN - GROUND FLOOR - HARRINGVLIET LEVEL



BIMARISTAN AL QALWUN IN CAIRO

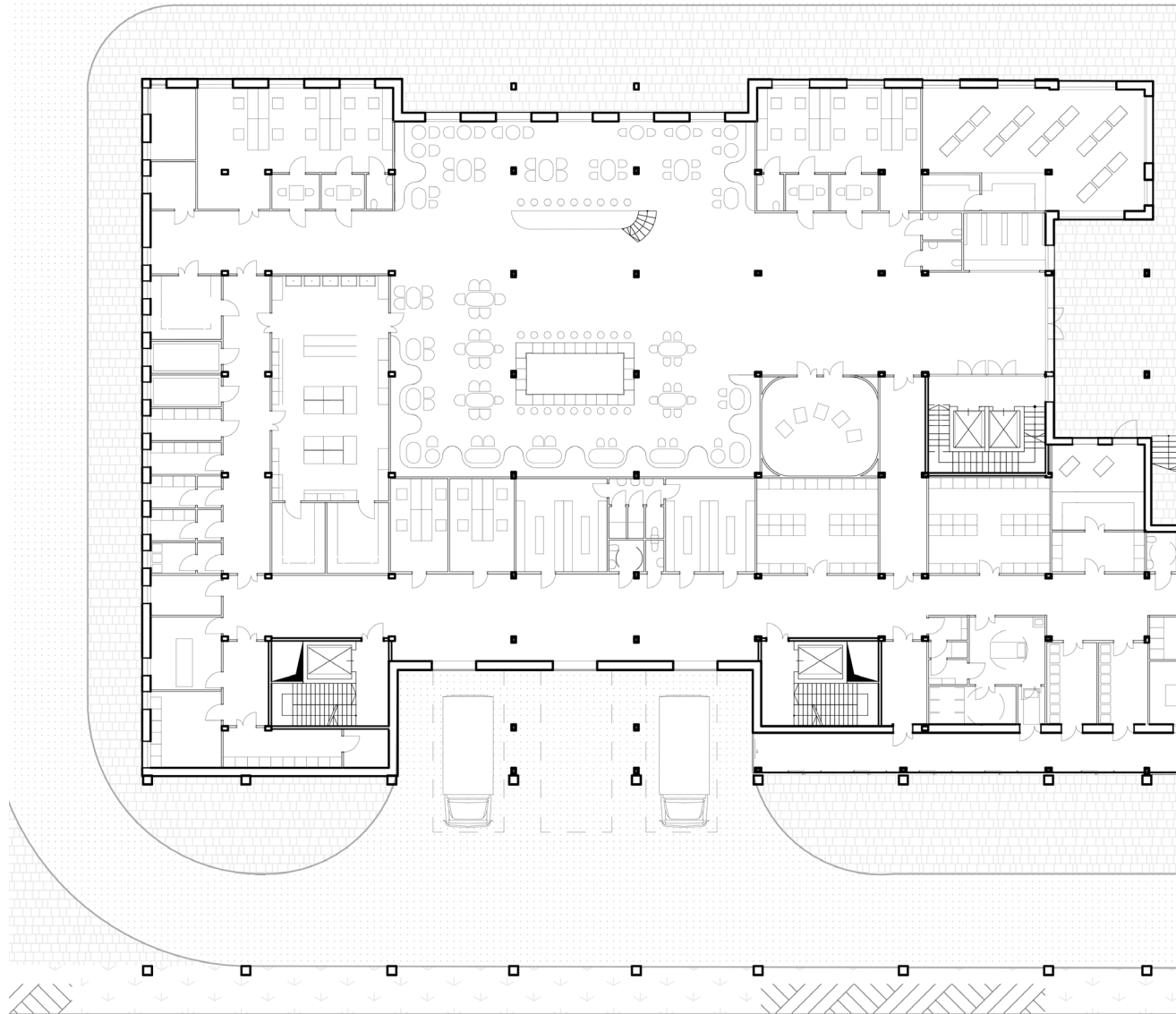


PLAN - GROUND FLOOR - HARRINGVLIET LEVEL

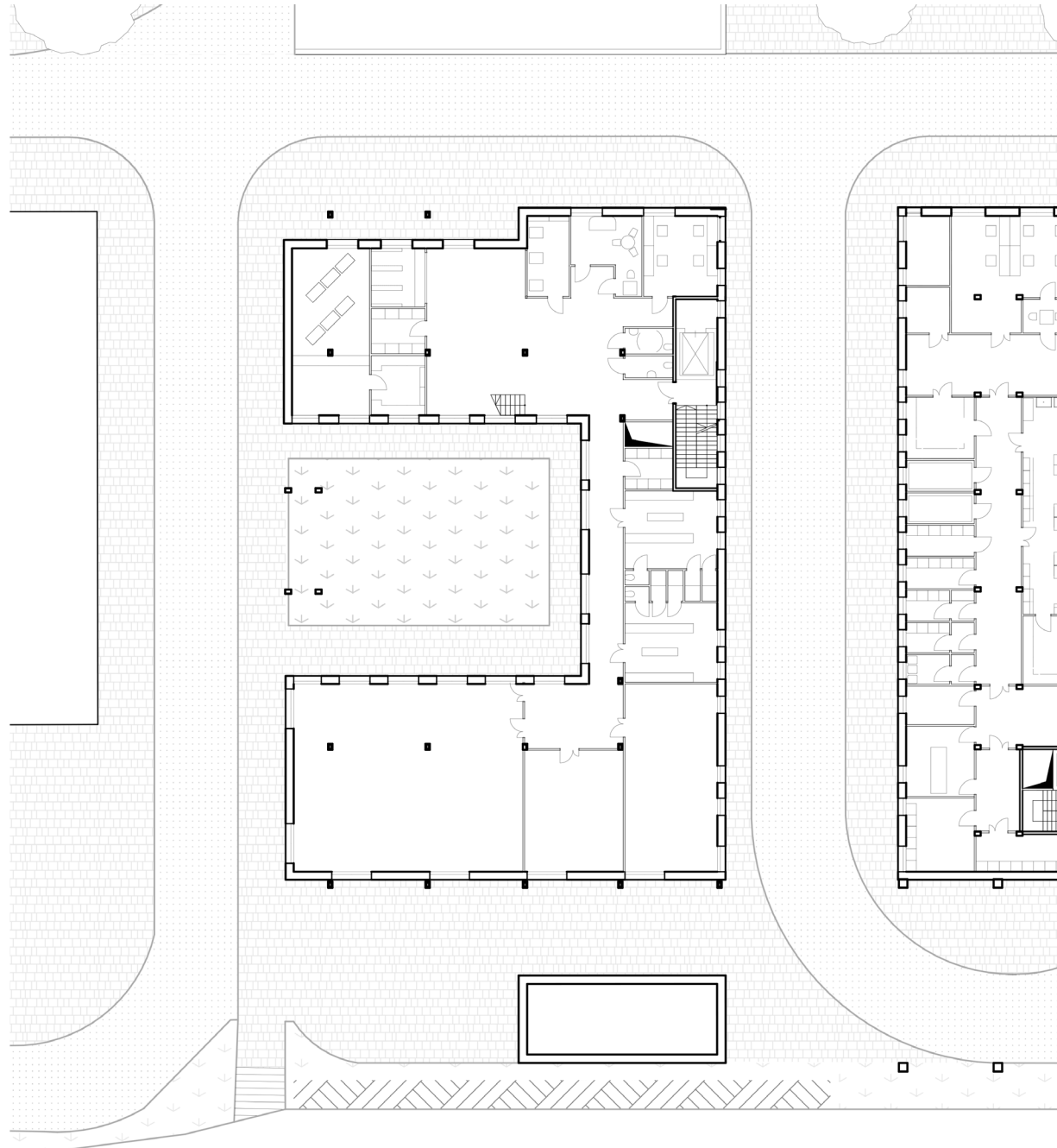




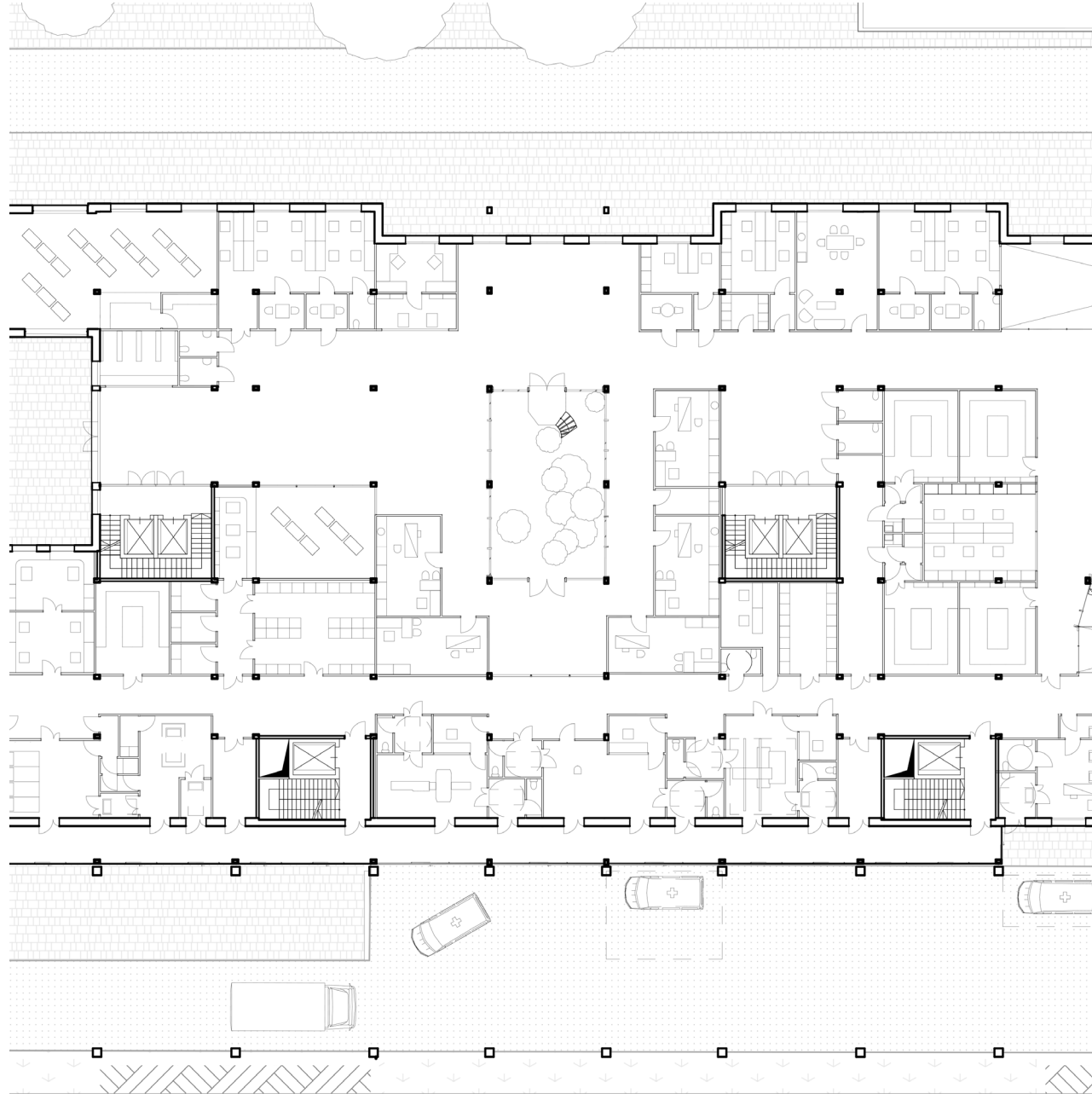
VIEW - MAIN ENTRANCE FROM HARRINGVLIET



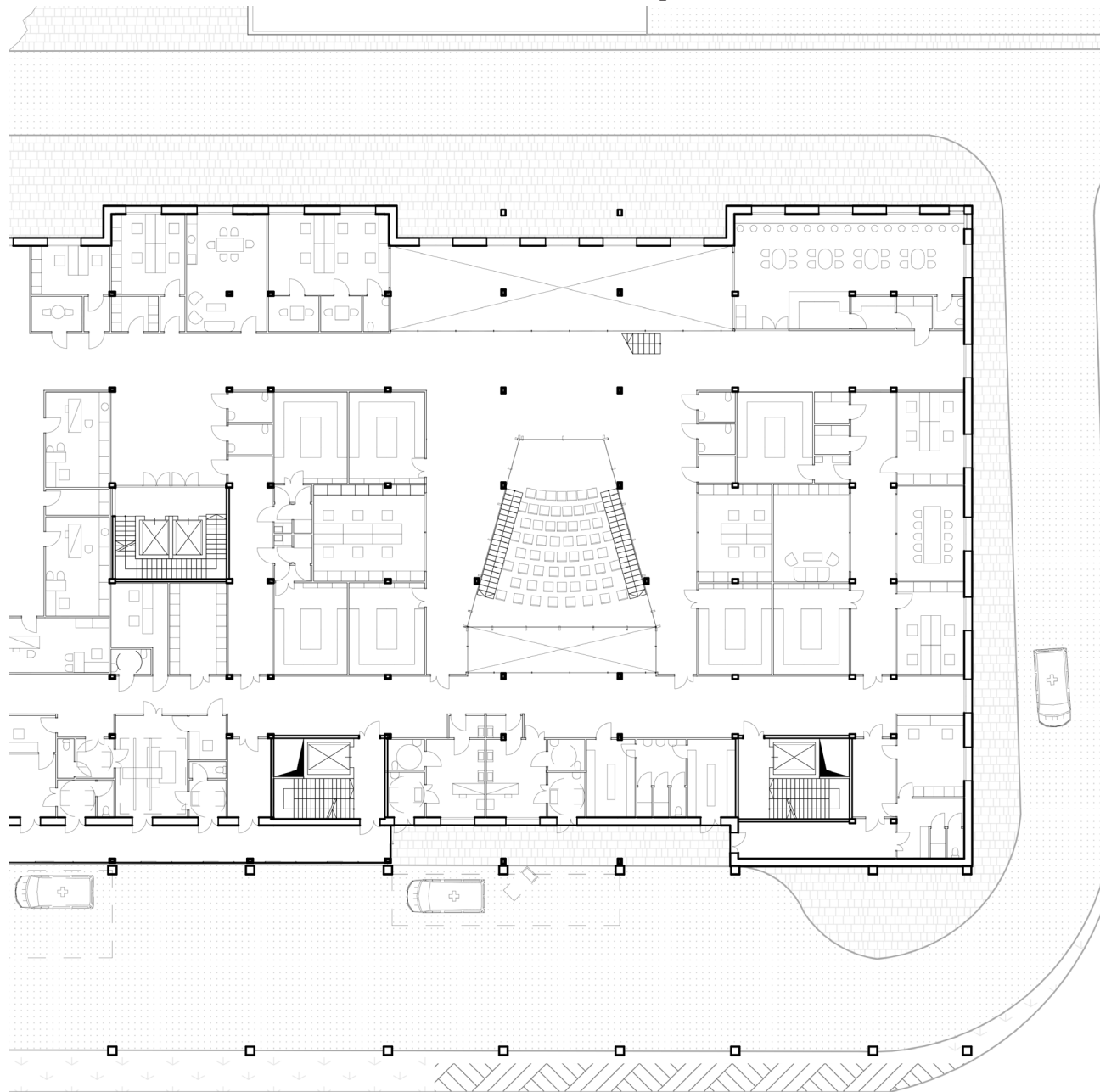
PLAN - GROUND FLOOR - CANTEEN



PLAN - GROUND FLOOR - REHAB



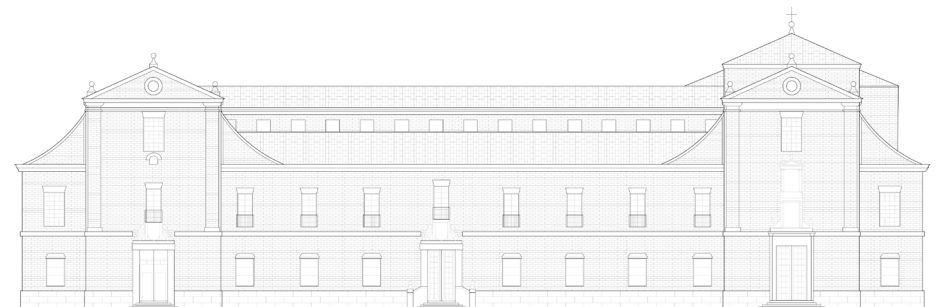
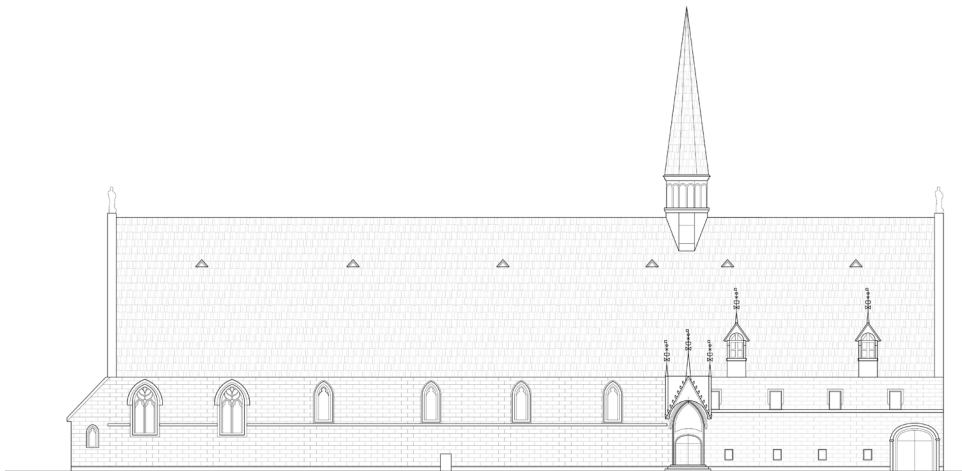
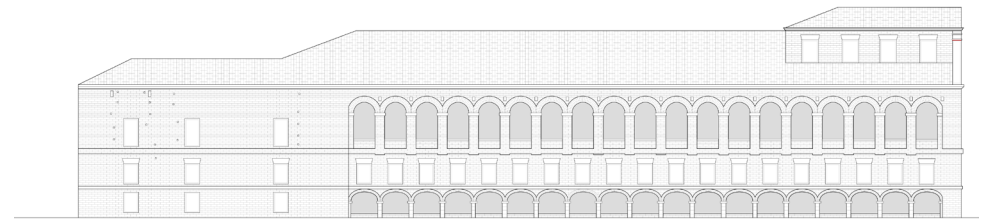
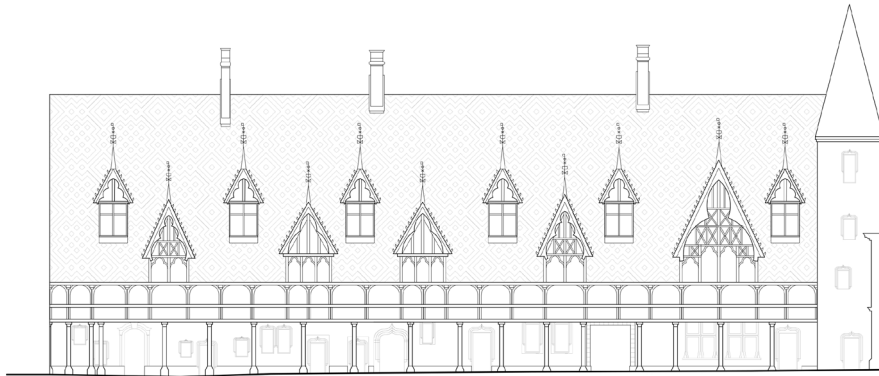
PLAN - GROUND FLOOR - DIAGNOSTICS



PLAN - GROUND FLOOR - RESEARCH CENTRE



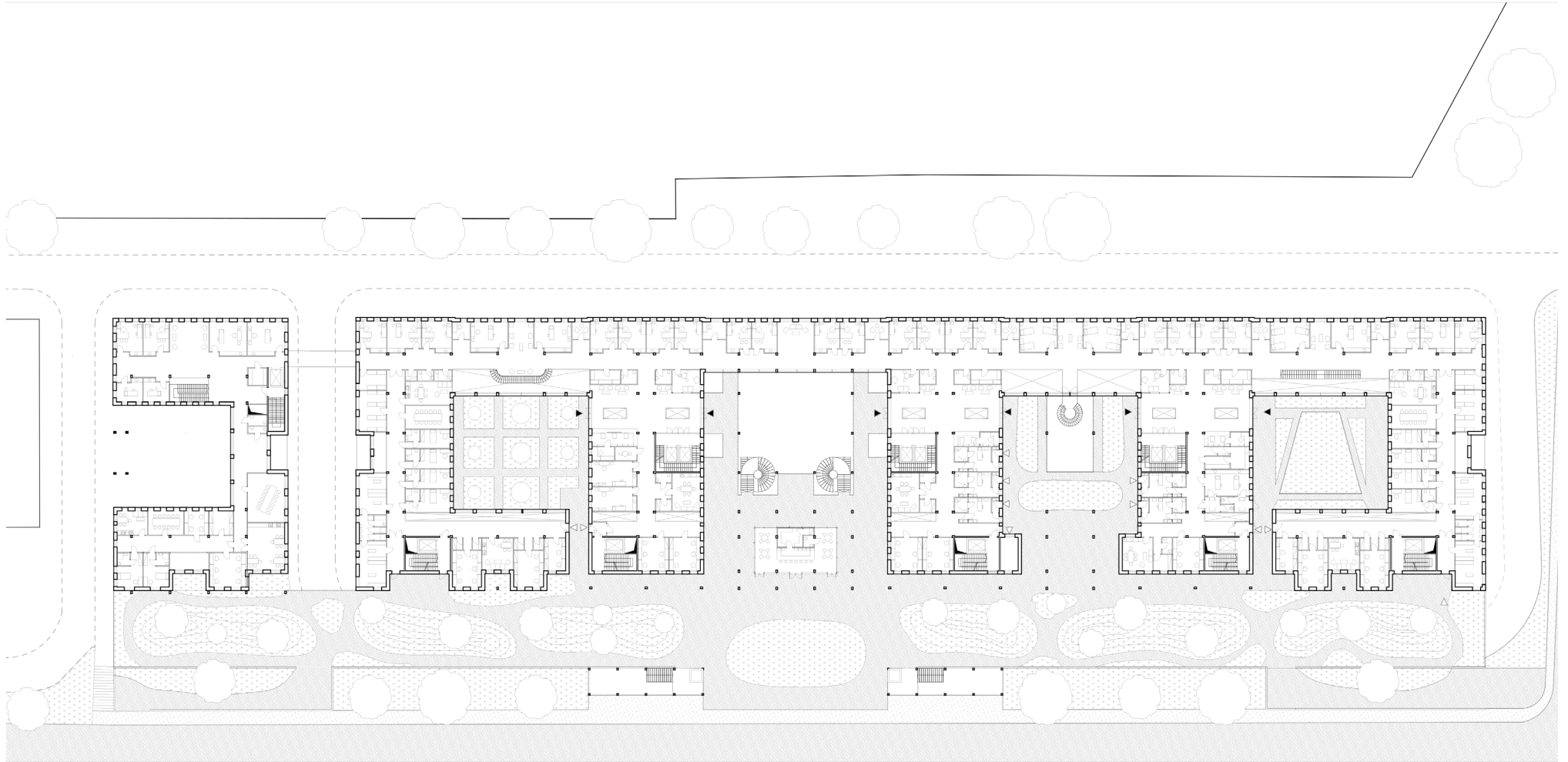
DISTANCE TO THE PUBLIC



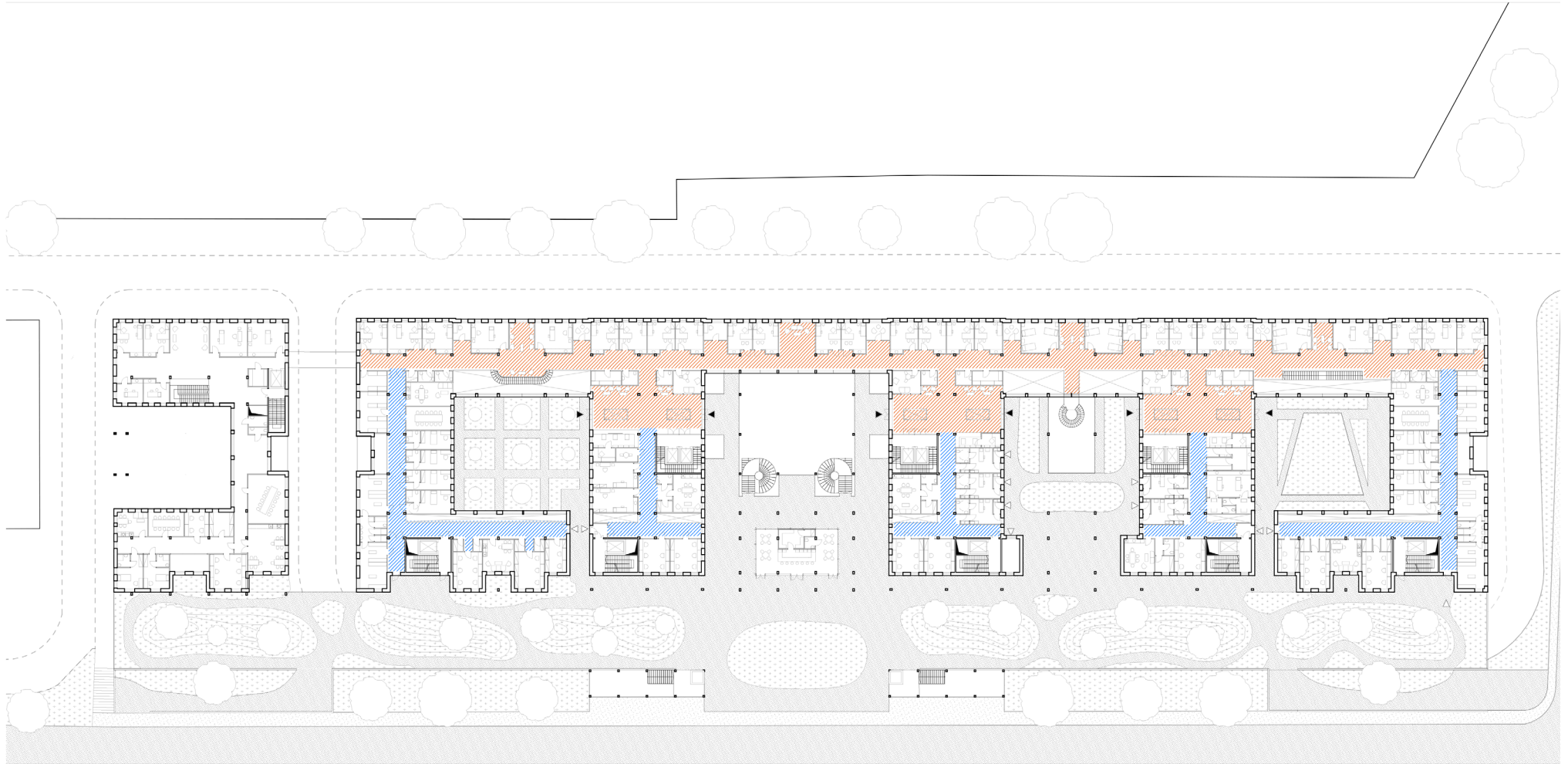
ELEVATIONS OF HOTEL DIEU DE BEAUNE AND SIMON RUIZ HOSPITAL



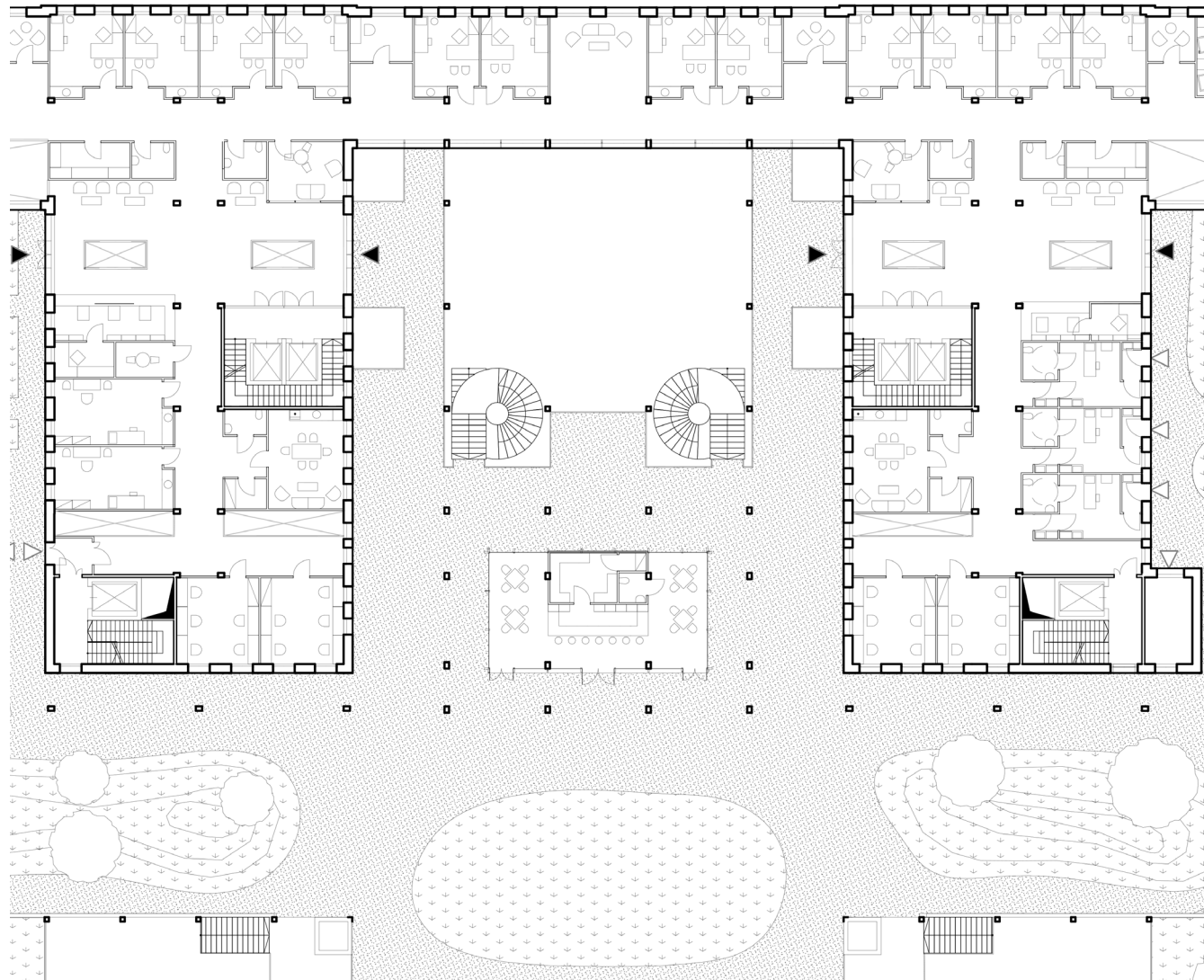
VIEW - MAASBOULEVARD TERRACE



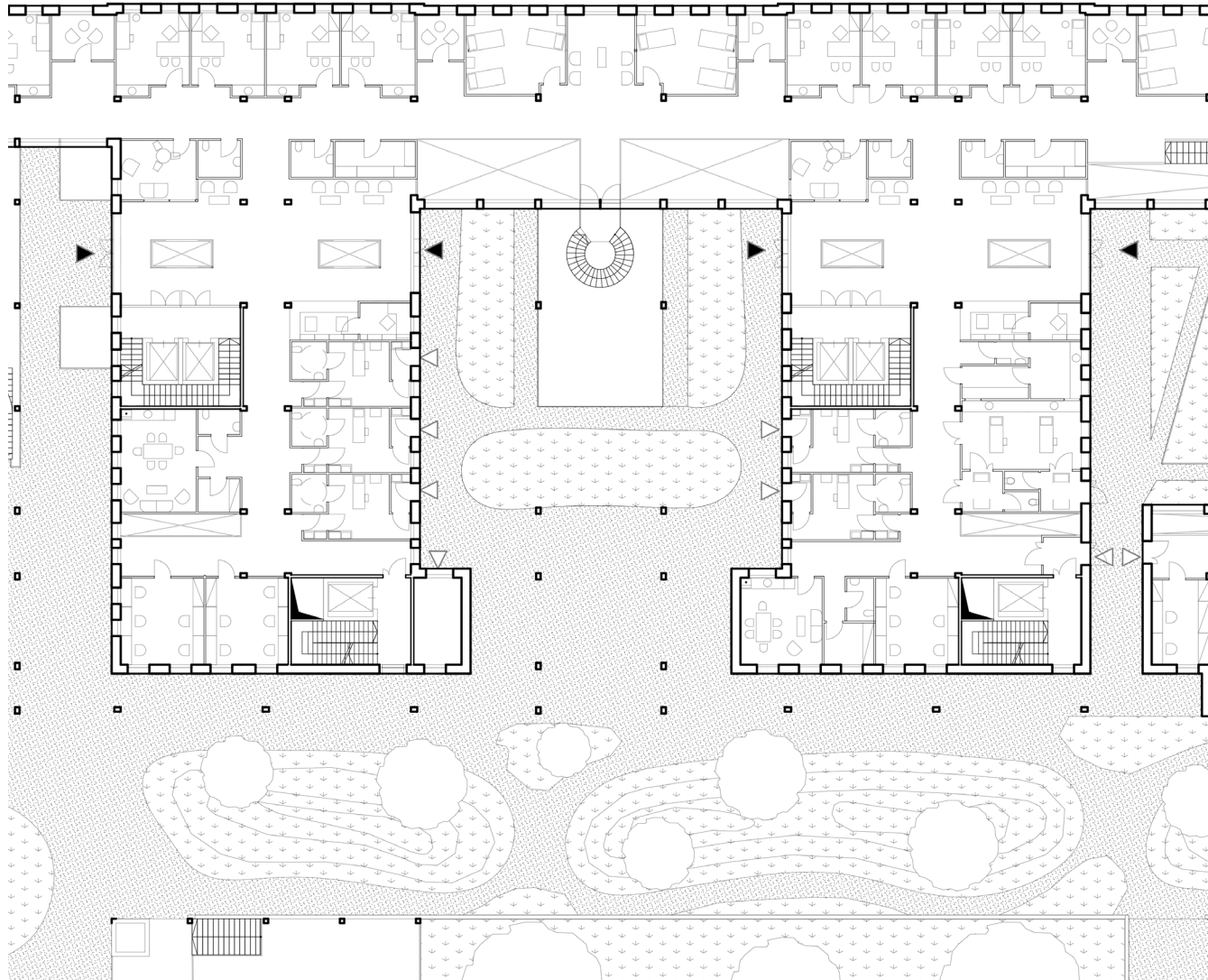
PLAN - MAASBOULEVARD LEVEL



PLAN - MAASBOULEVARD LEVEL



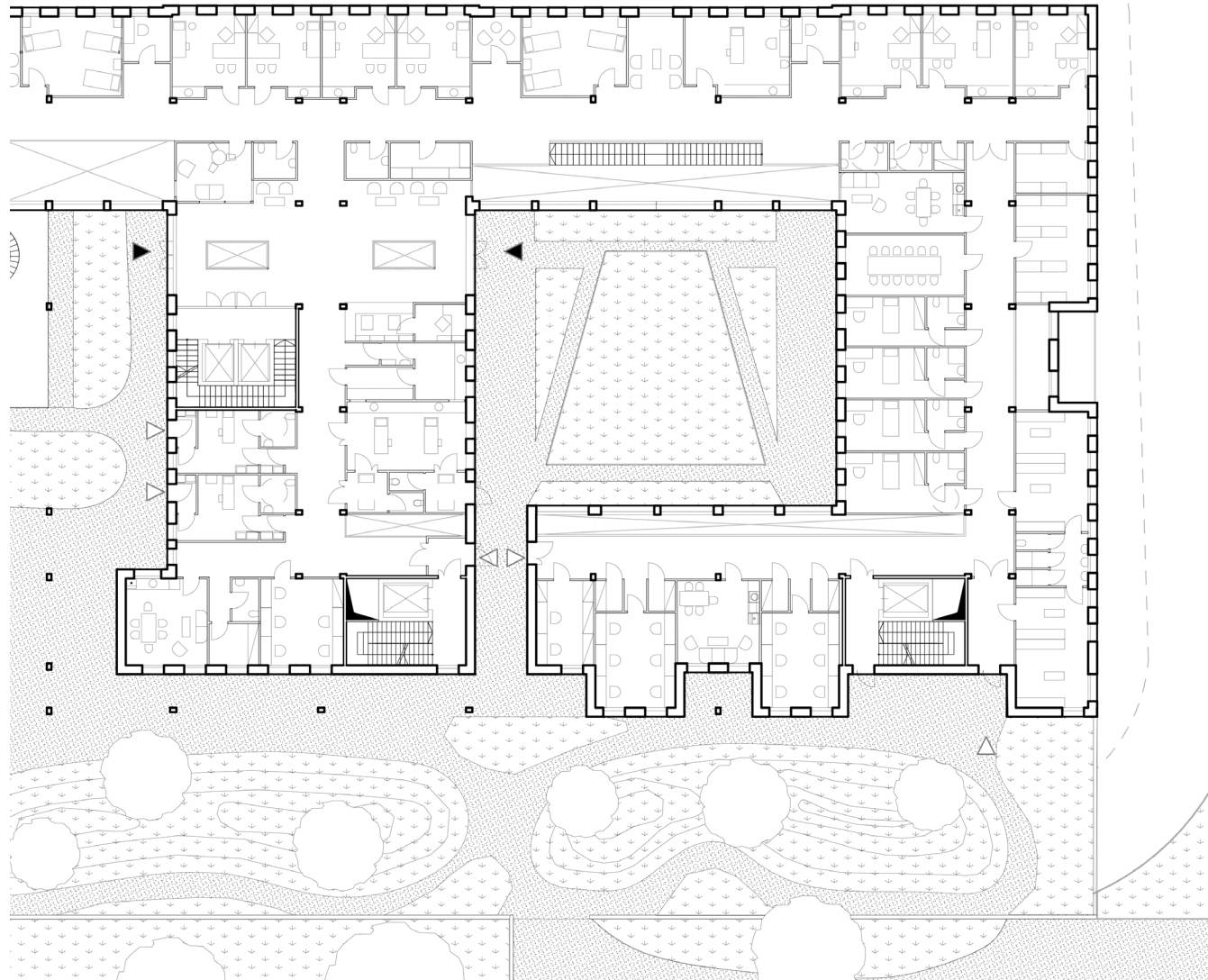
PLAN - GROUND FLOOR - MAIN SQUARE



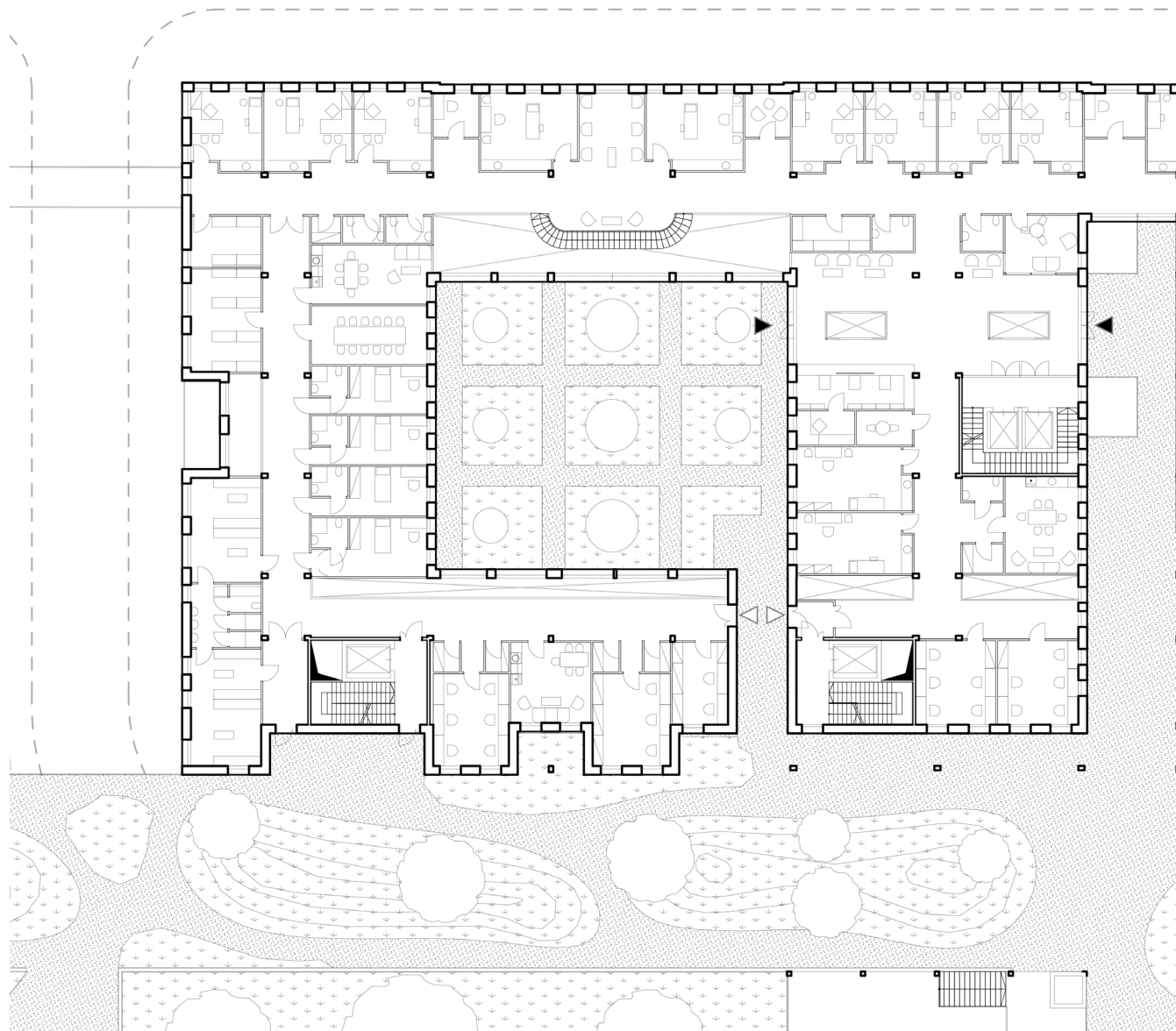
PLAN - GROUND FLOOR - EMERGENCY DEPARTMENT



VIEW - RECEPTION



PLAN - GROUND FLOOR - OUTPATIENT PEDIATRICS



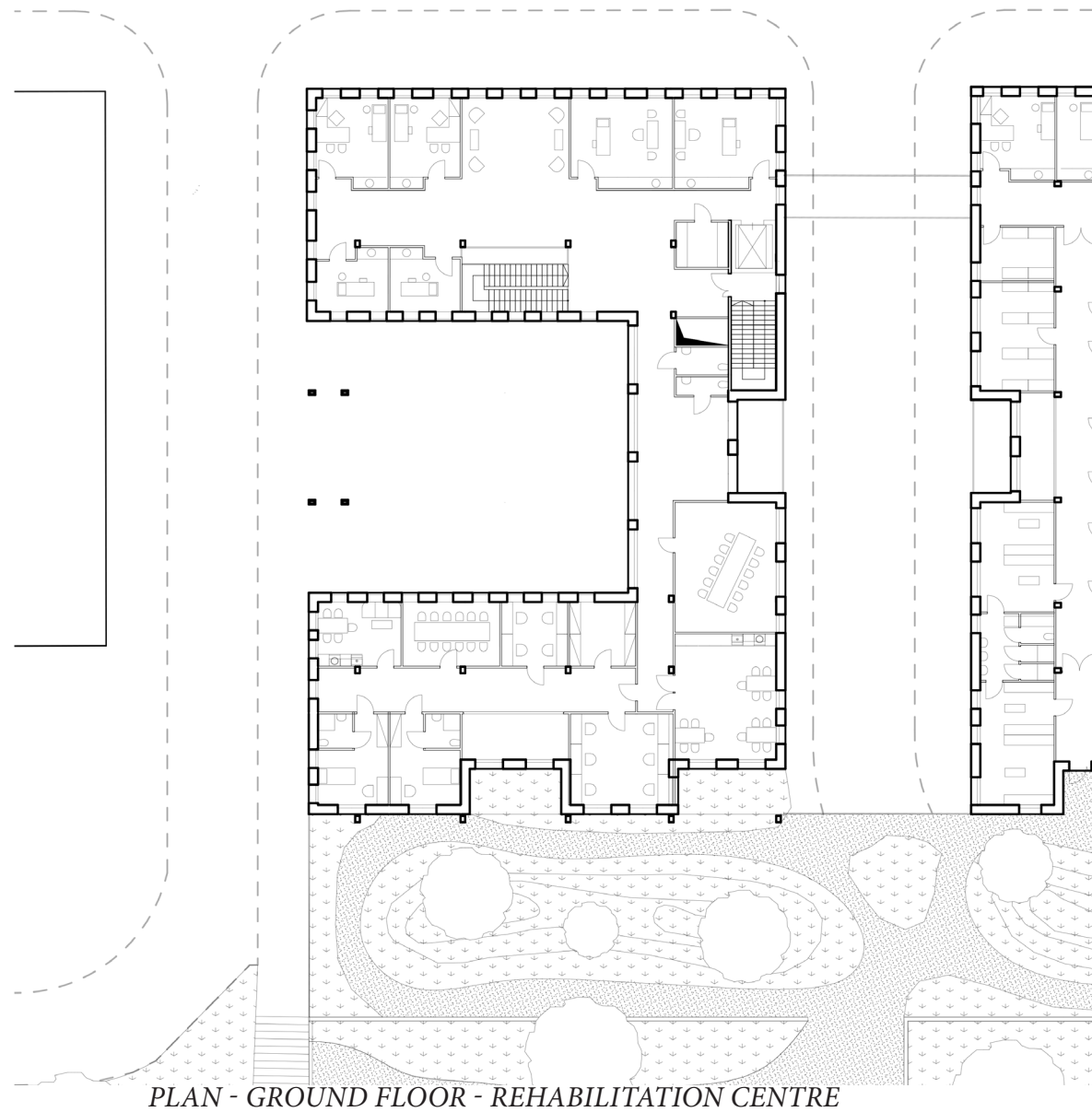
PLAN - GROUND FLOOR - OUTPATIENT CLINICS

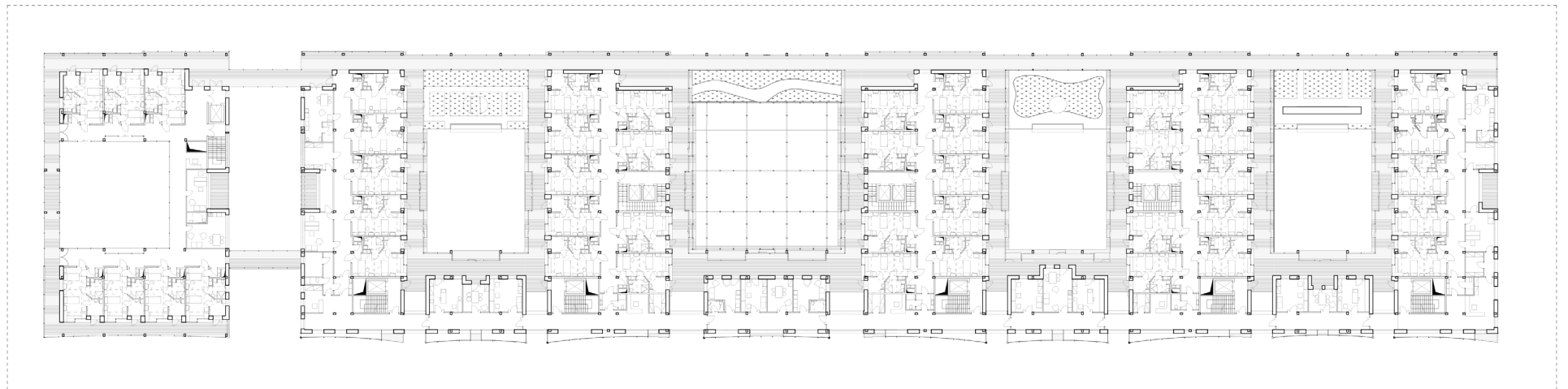


MAGGIE'S CENTRE WEST LONDON - VIEW TO THE OUTSIDE.



VIEW - WAITING NICHE

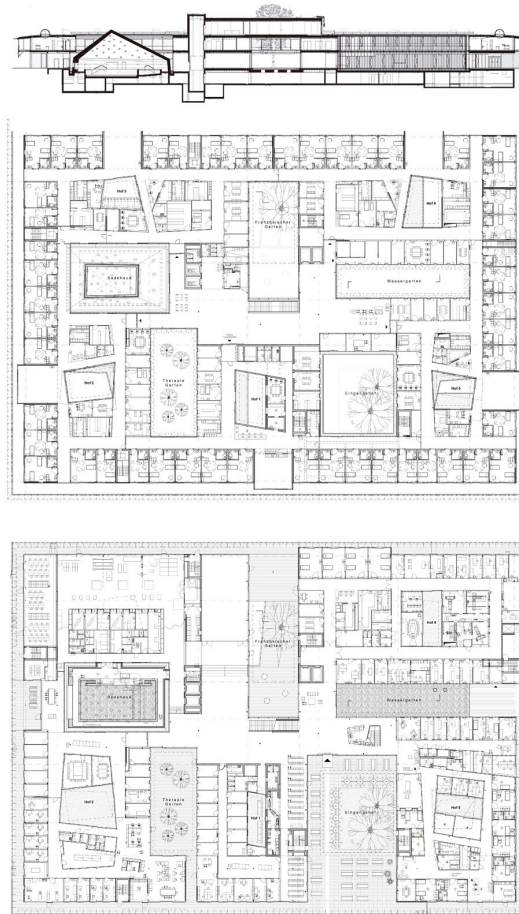




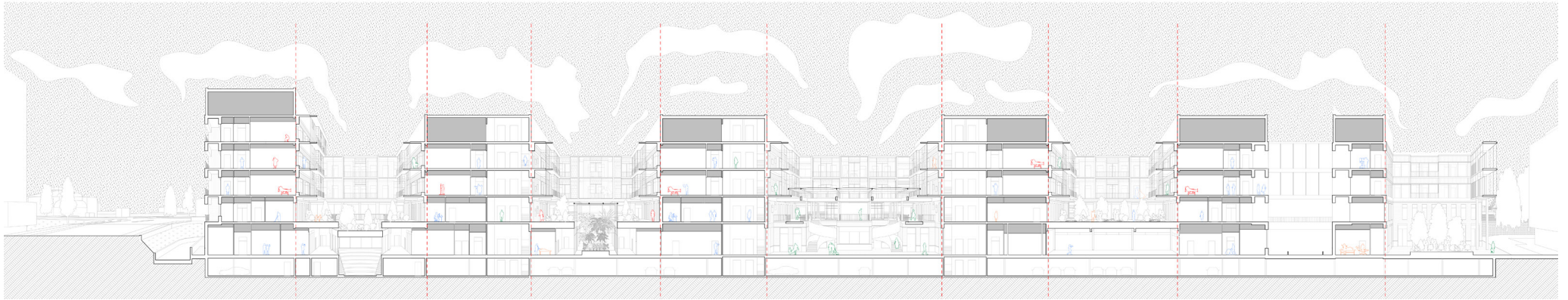
PLAN - THIRD AND FOURTH LEVEL



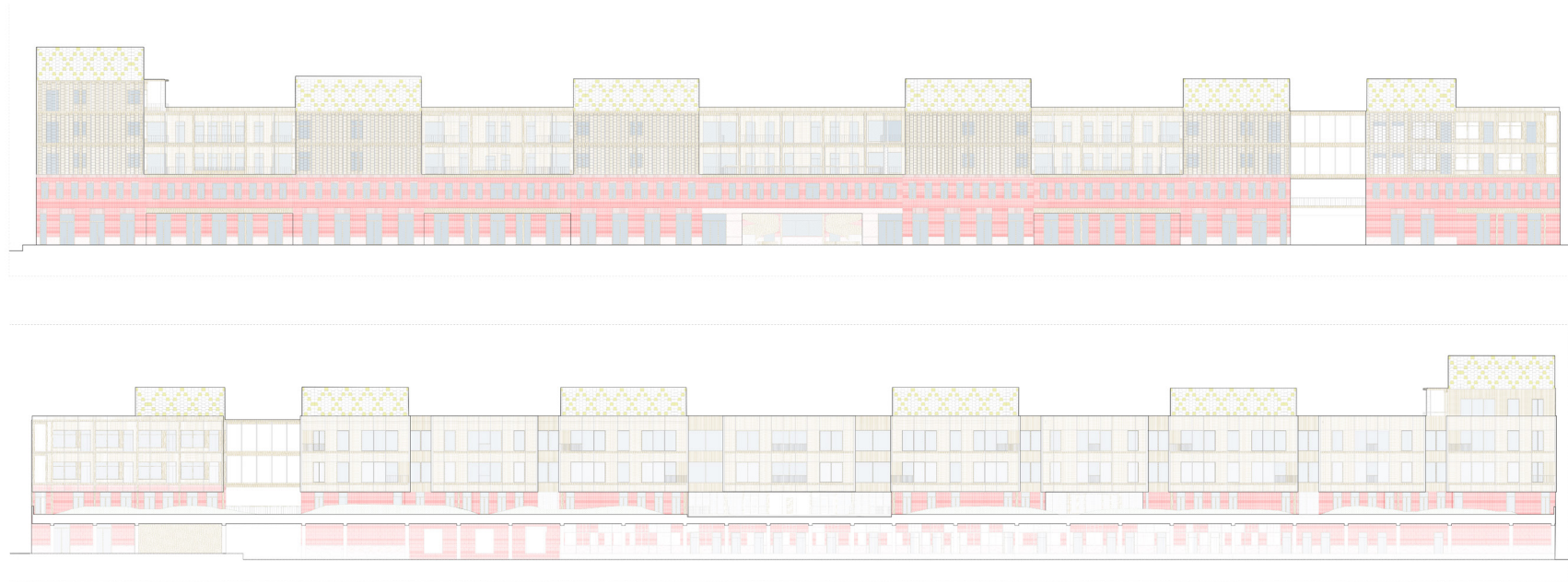
VIEW - HOSPITAL FROM HARRINGVLIET



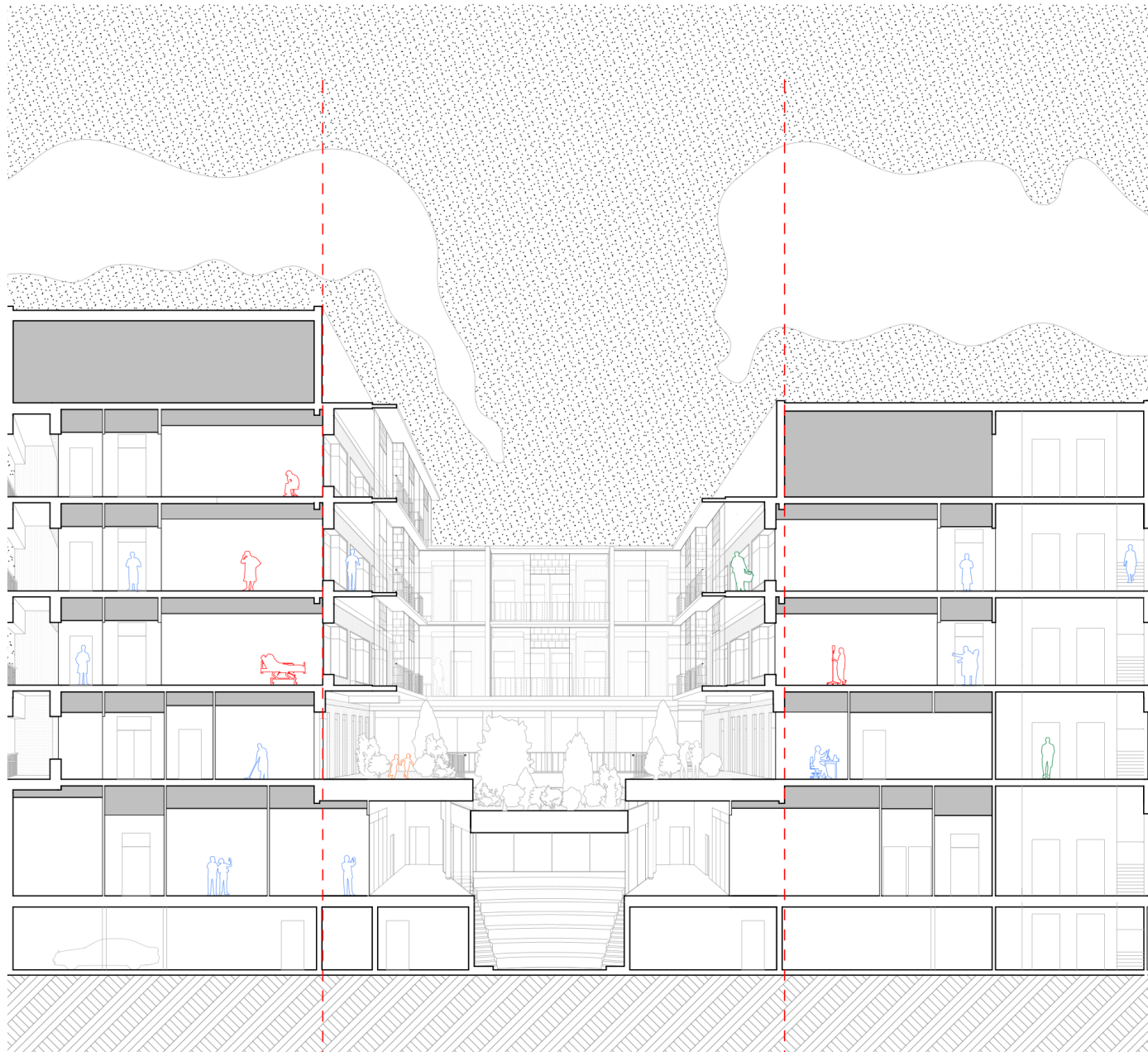
REHAB CLINIC IN BASEL BY HERZOG DE MEURON



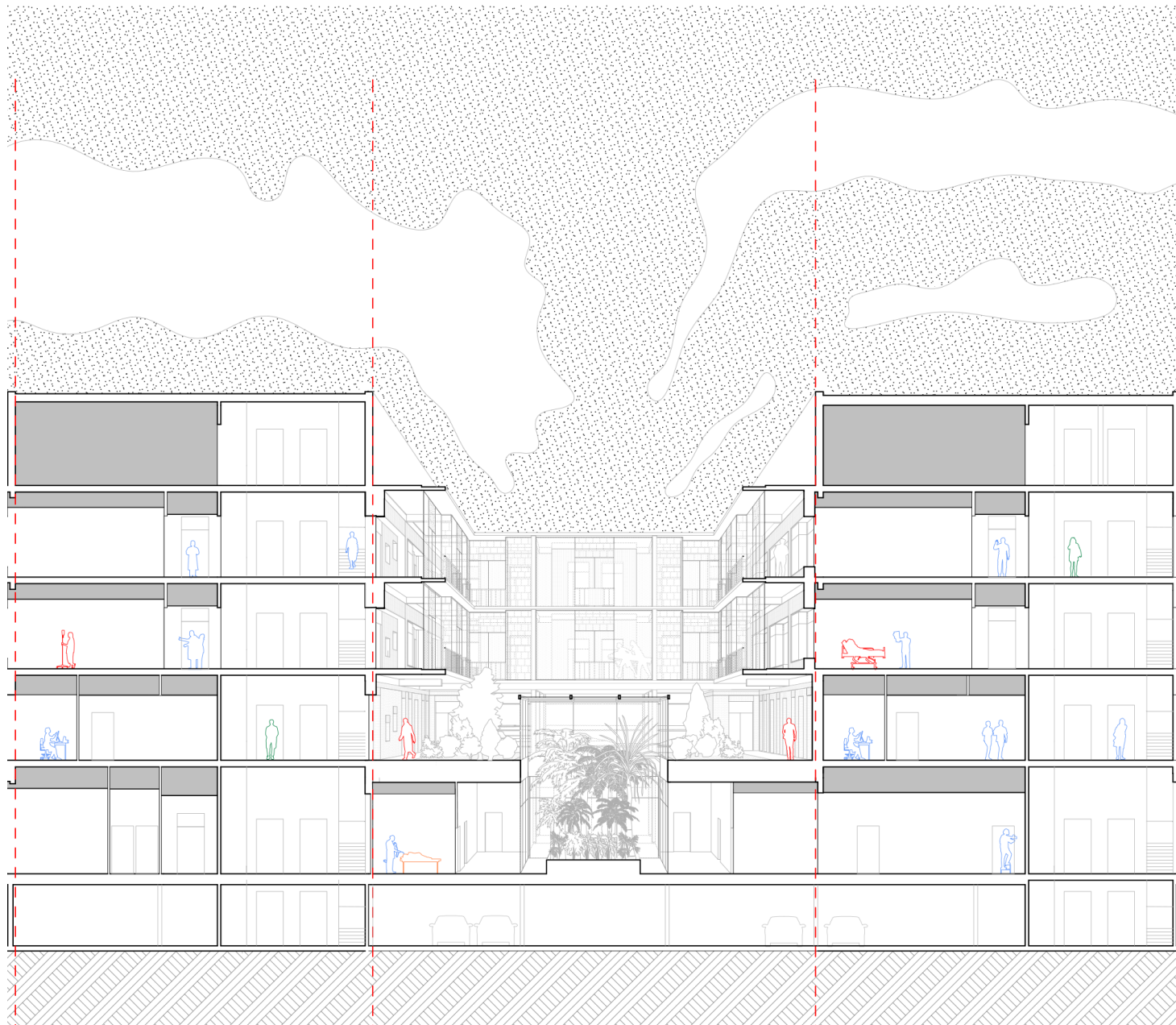
LONG SECTION



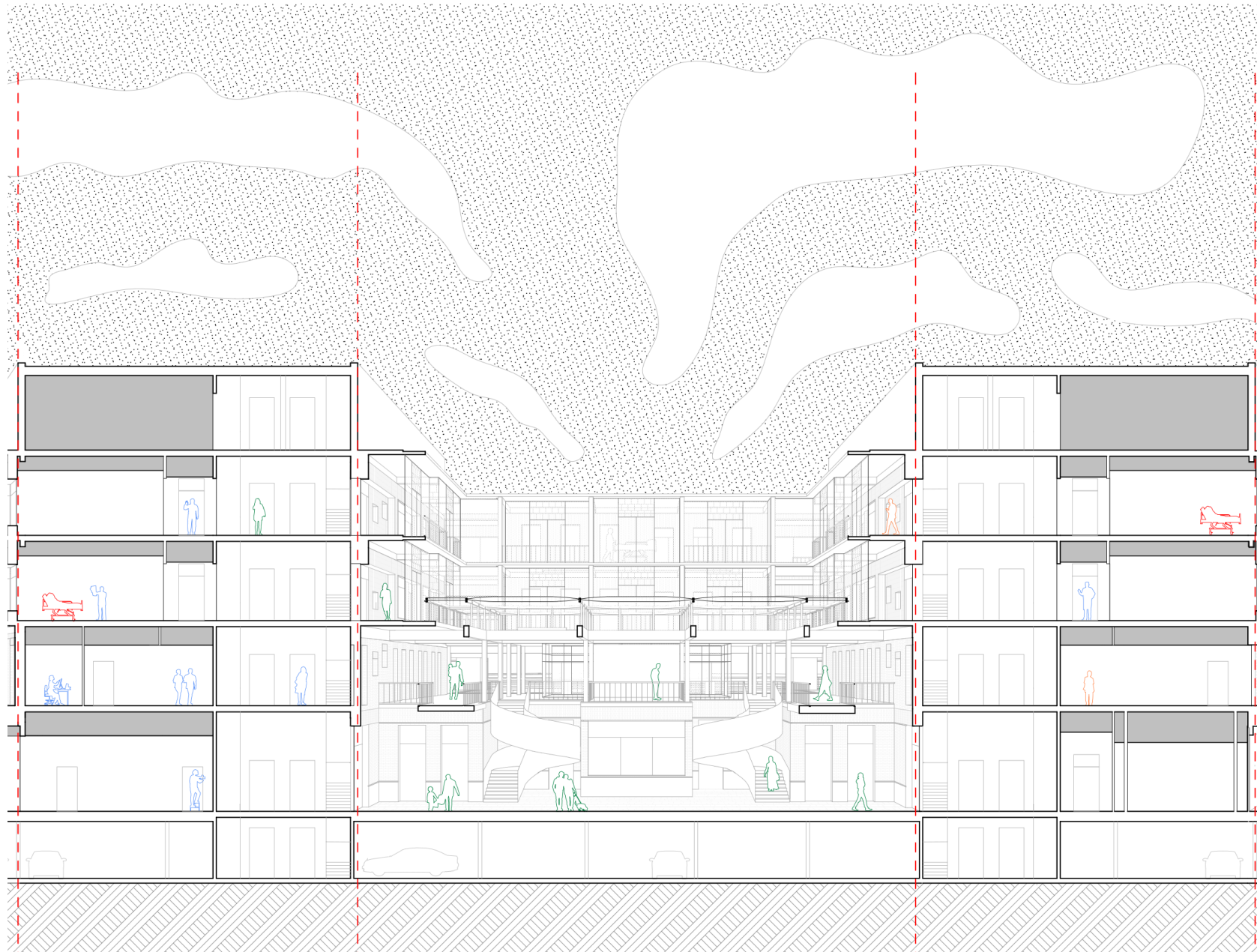
ELEVATIONS



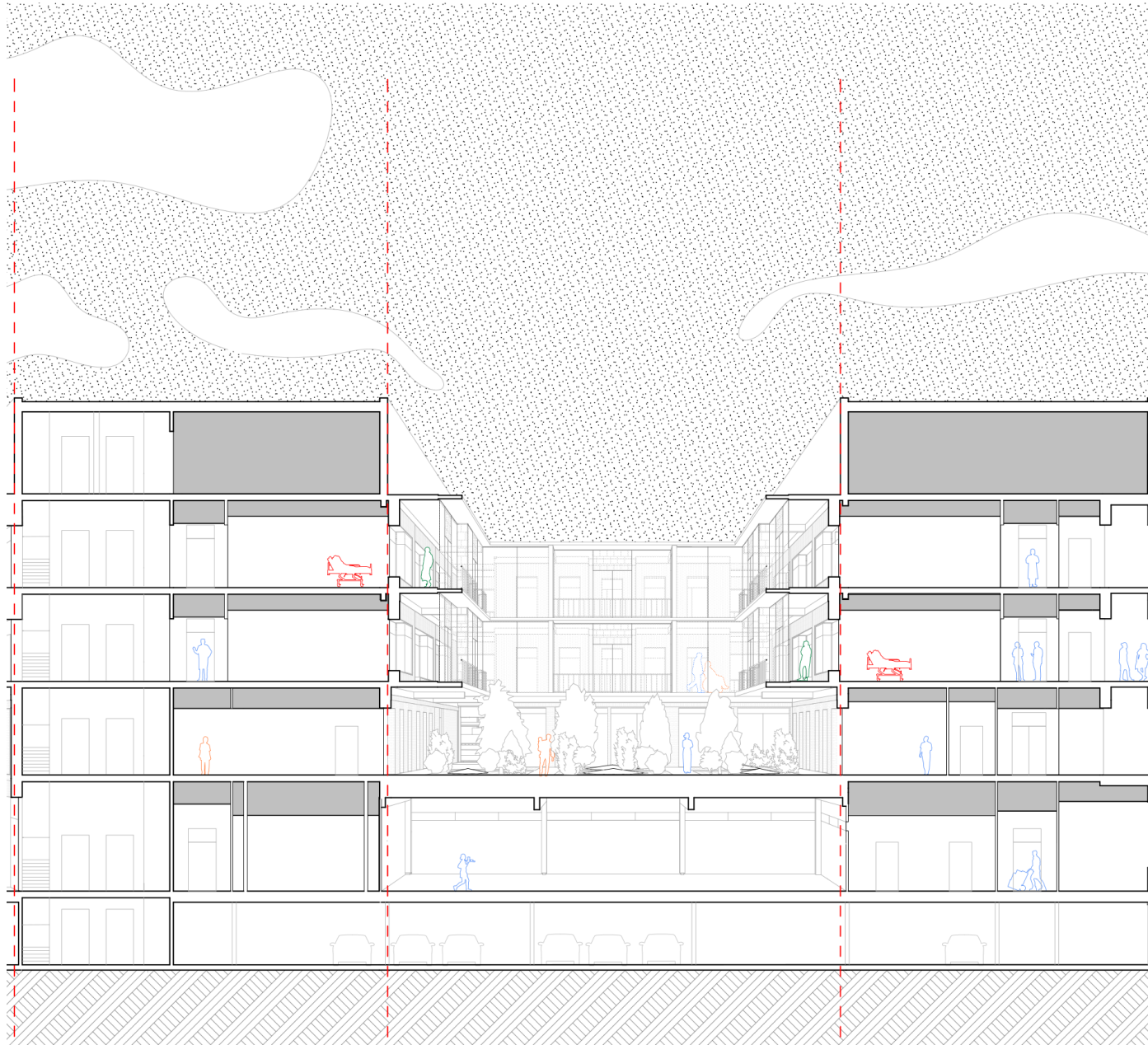
SECTION - AUDITORIUM



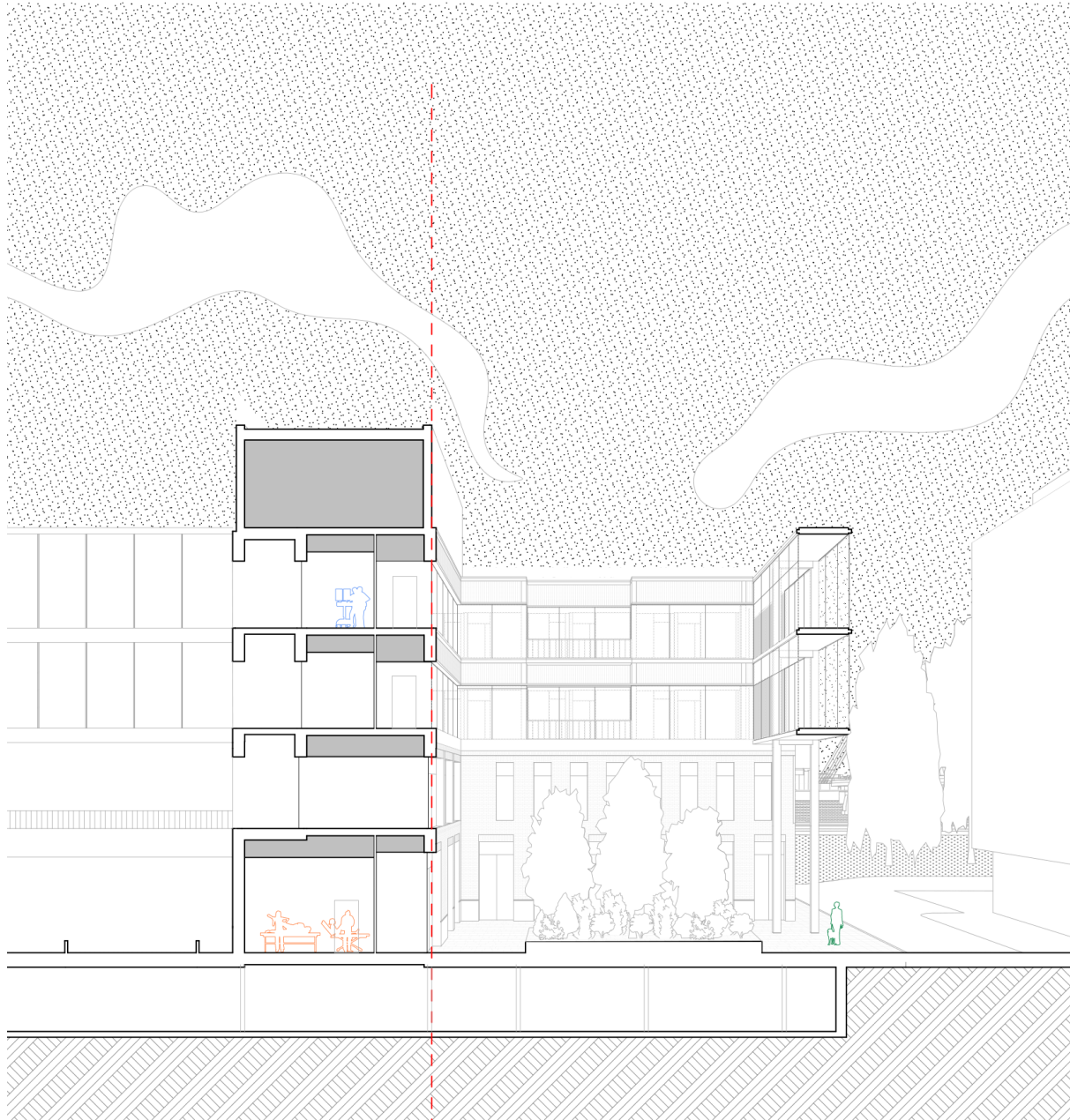
SECTION - WINTER GARDEN



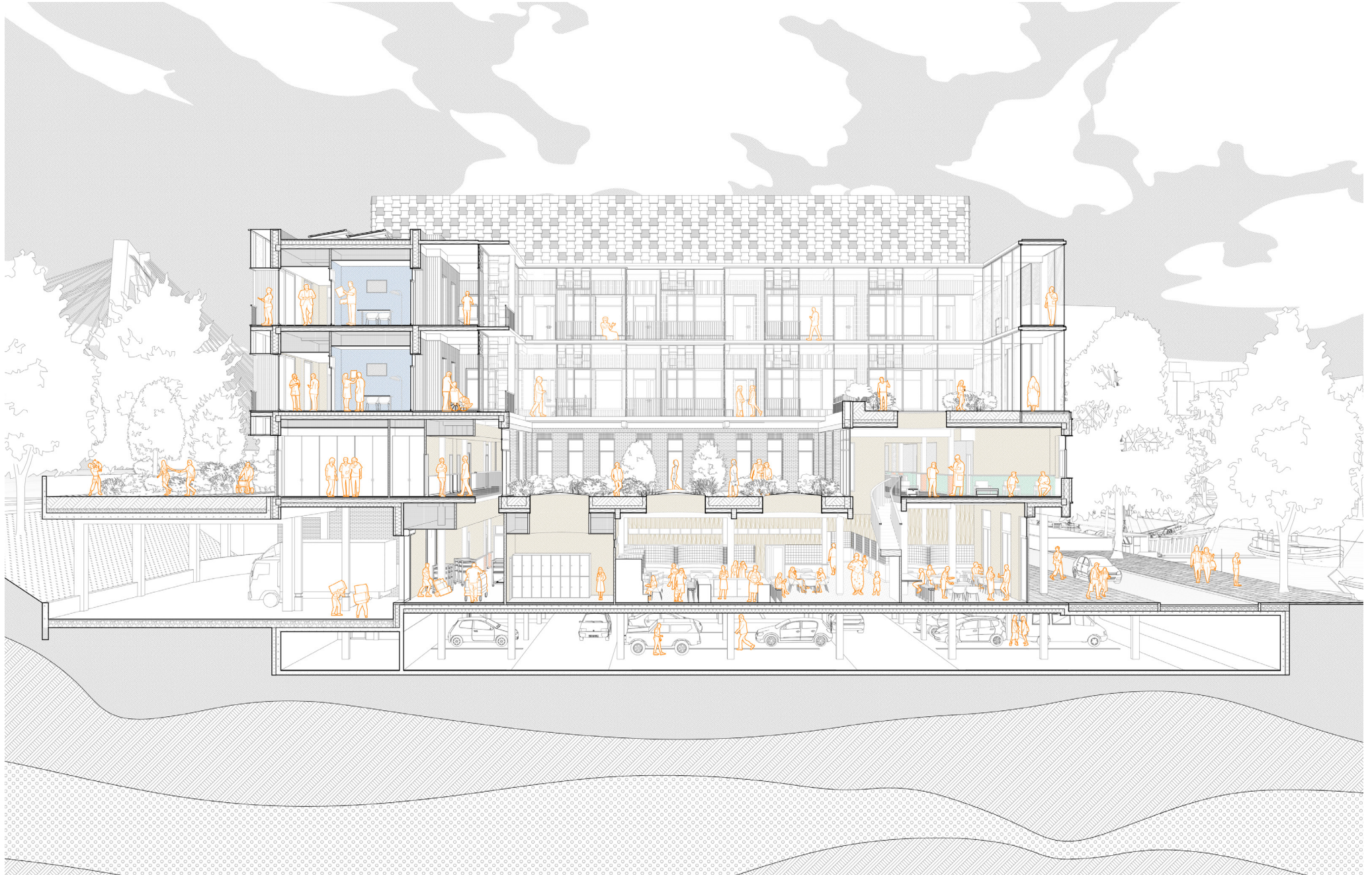
SECTION - MAIN SQUARE



SECTION - CANTEEN



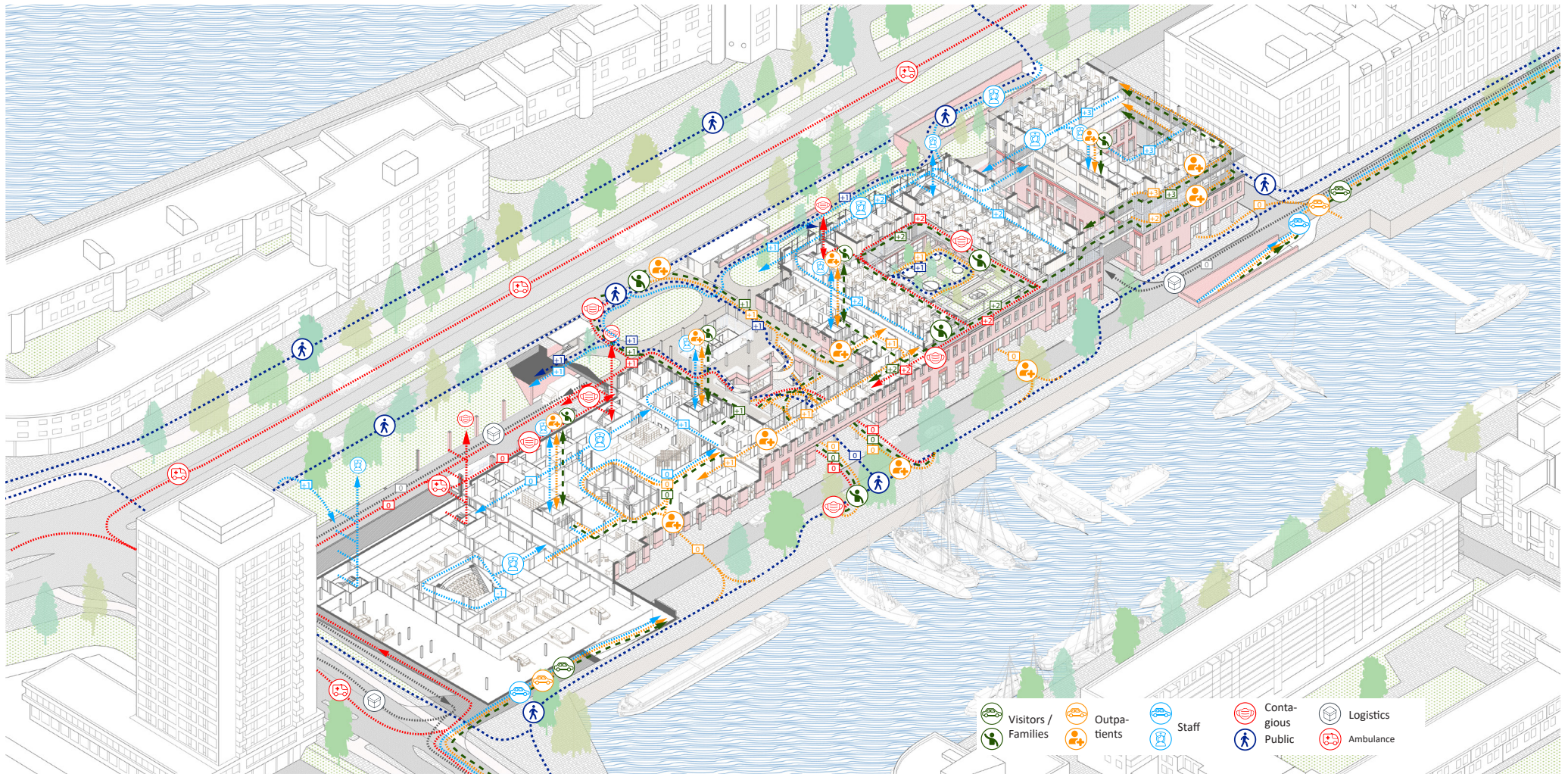
SECTION - REHABILITATION CENTRE



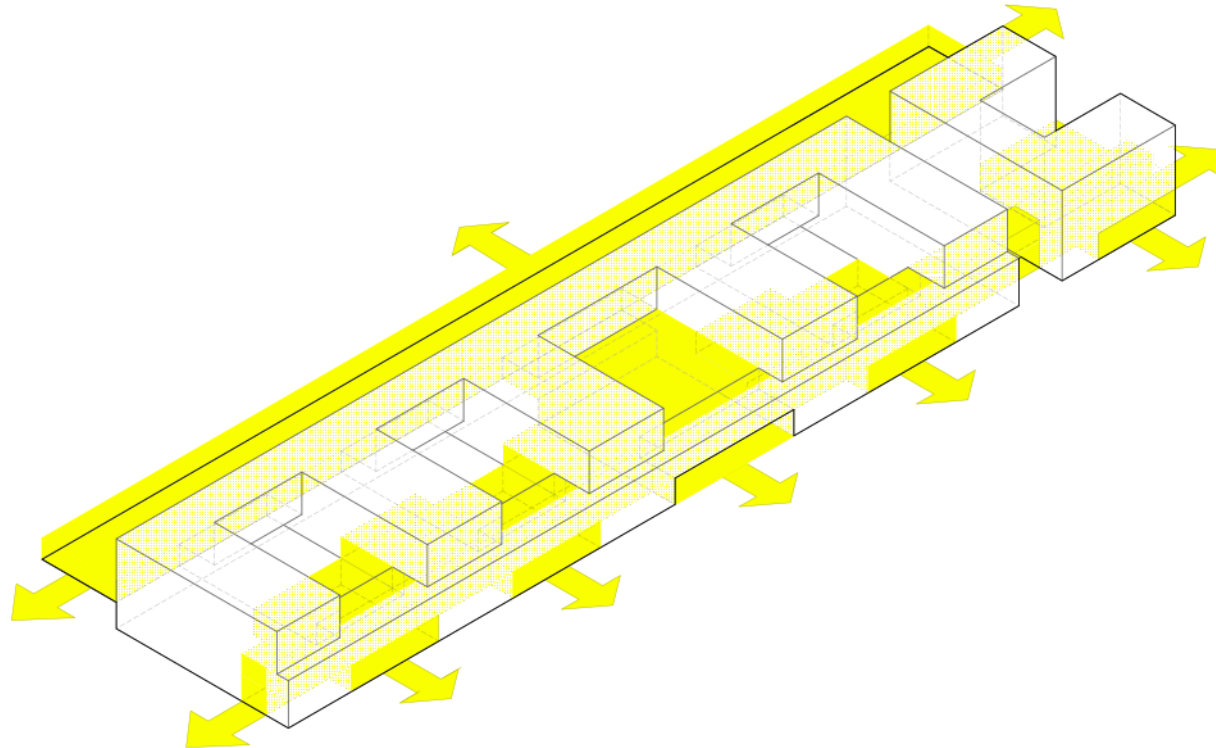
CROSSECTION



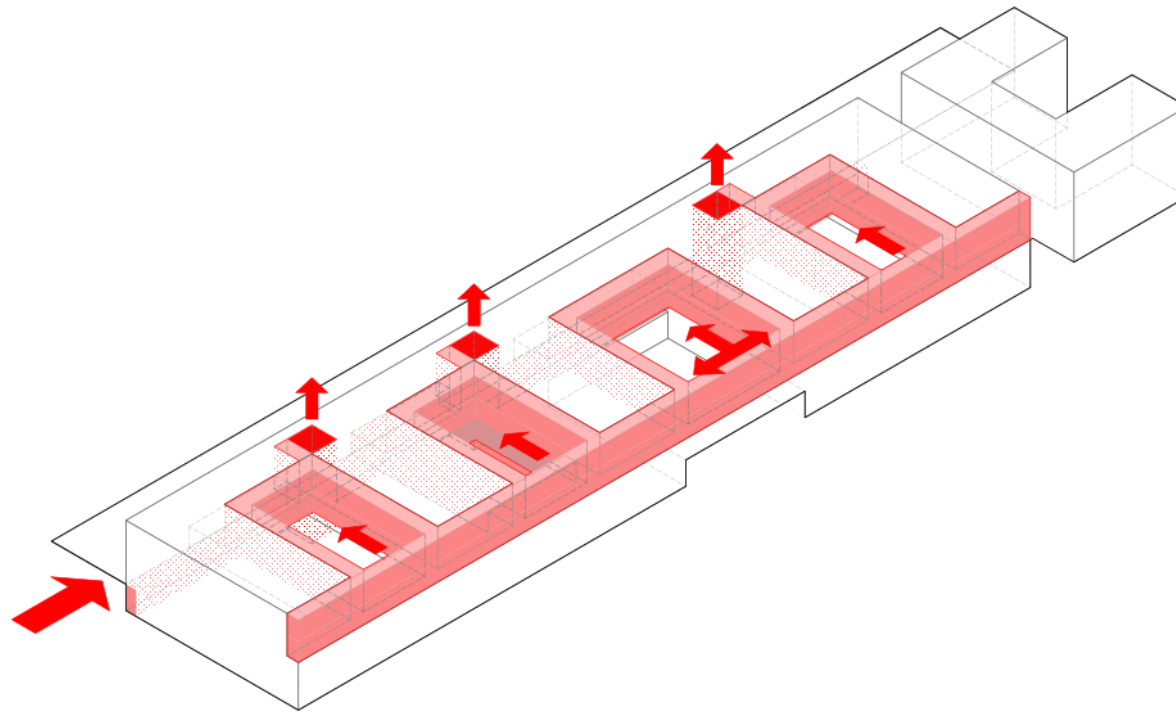
VIEW - MAIN CORRIDOR



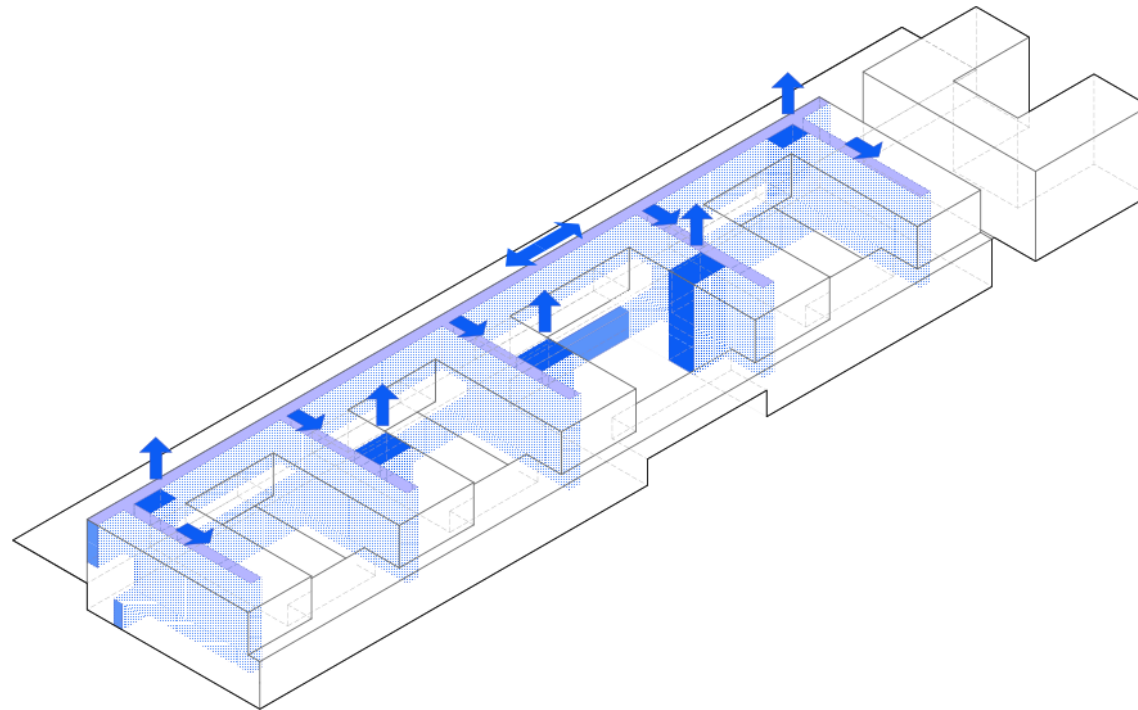
AXONOMETRY - SEPARATION OF THE FLOWS



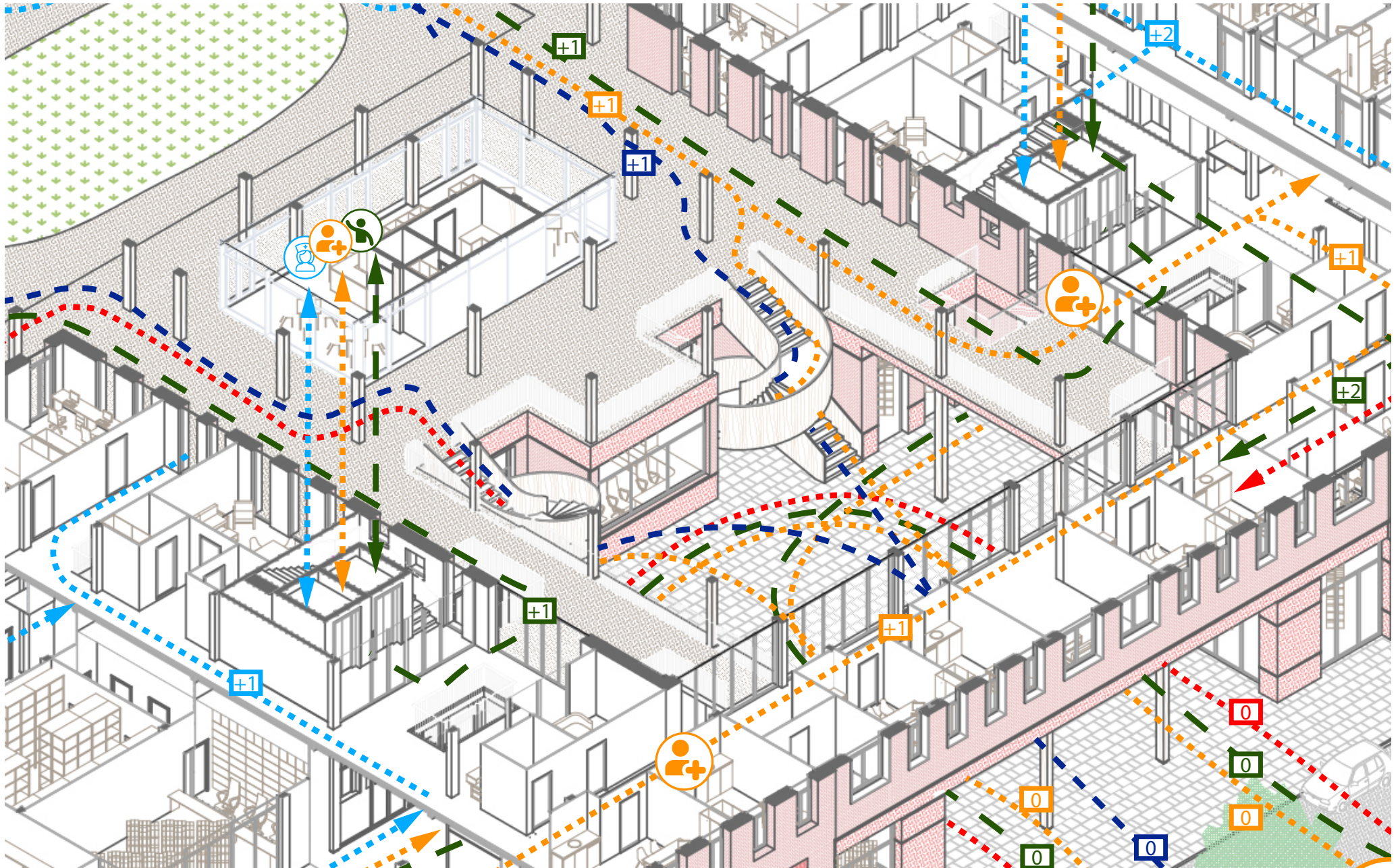
PUBLIC



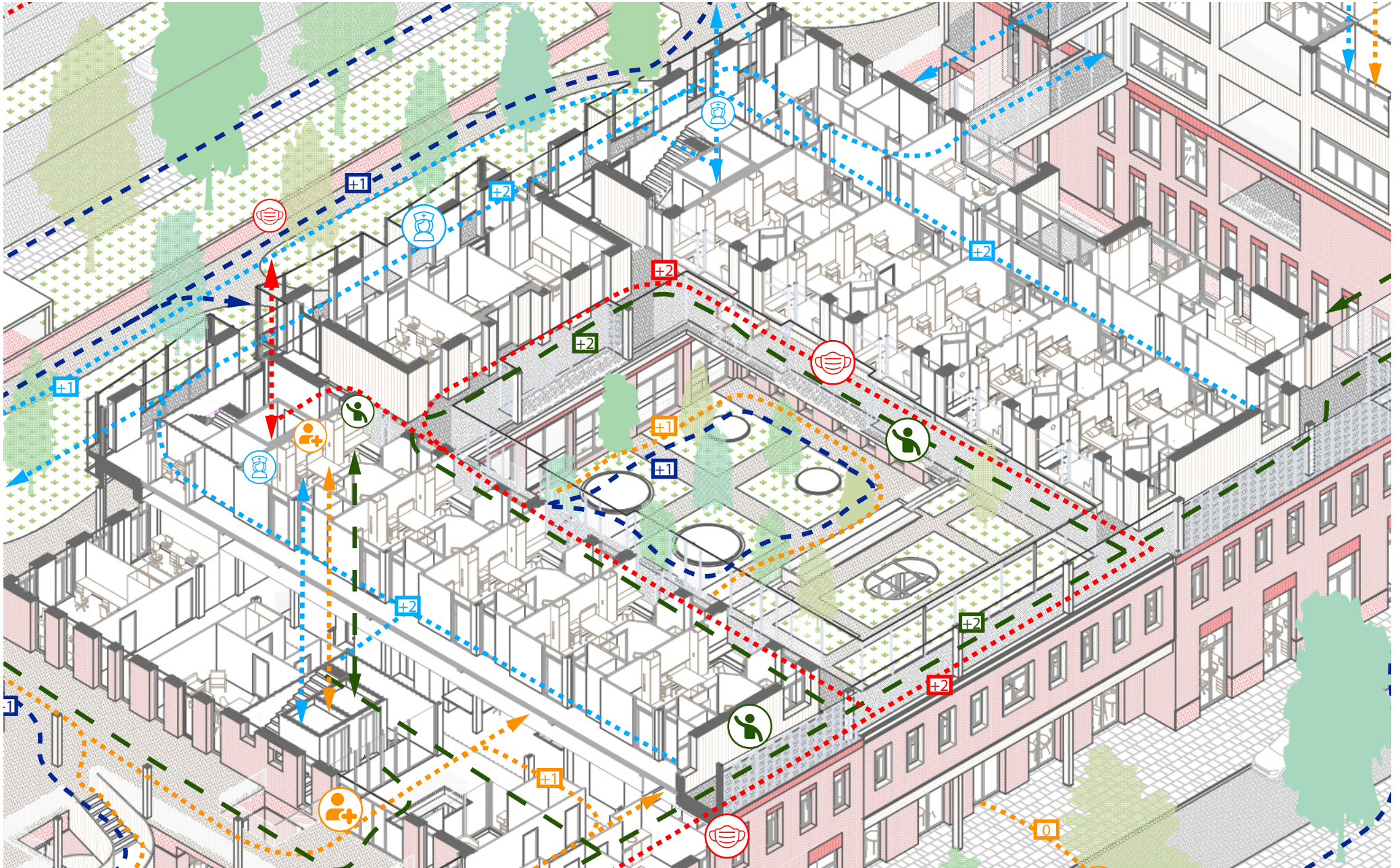
CONTAGIOUS PATIENTS



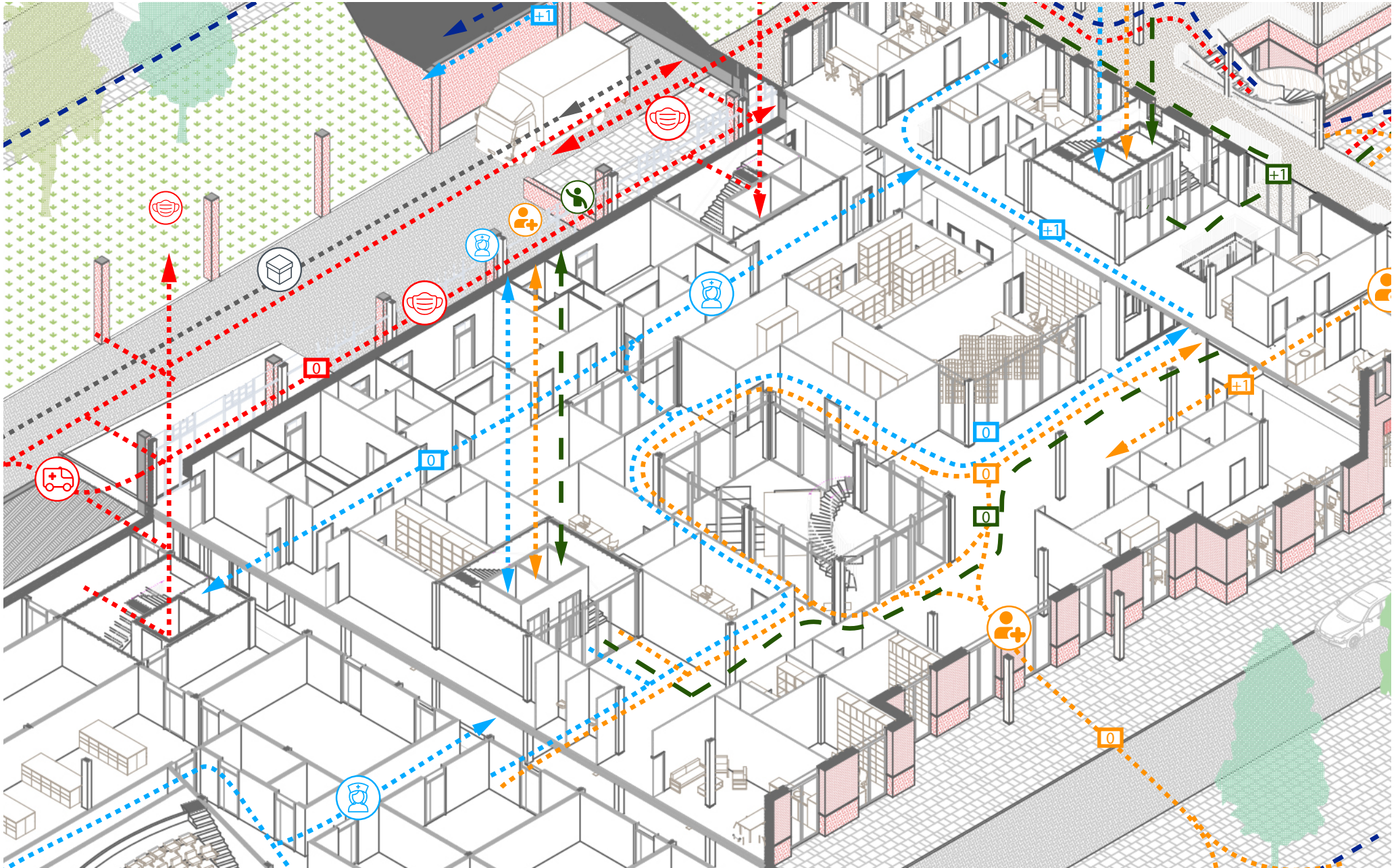
STAFF



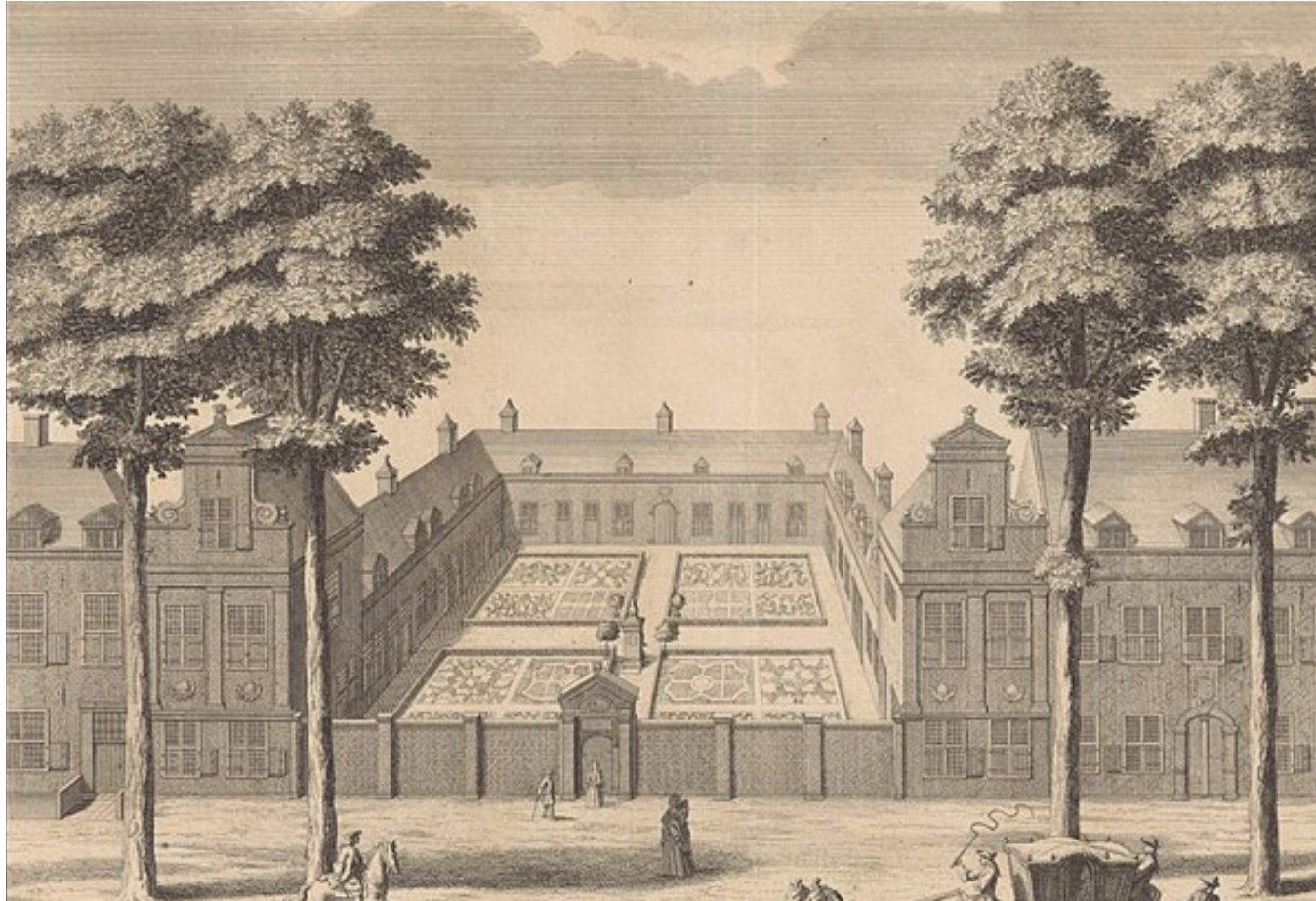
AXONOMETRY - SEPARATION OF THE FLOWS - MAIN ENTRANCE



AXONOMETRY - SEPARATION OF THE FLOWS - WARD LEVEL



AXONOMETRY - SEPARATION OF THE FLOWS - GROUND FLOOR



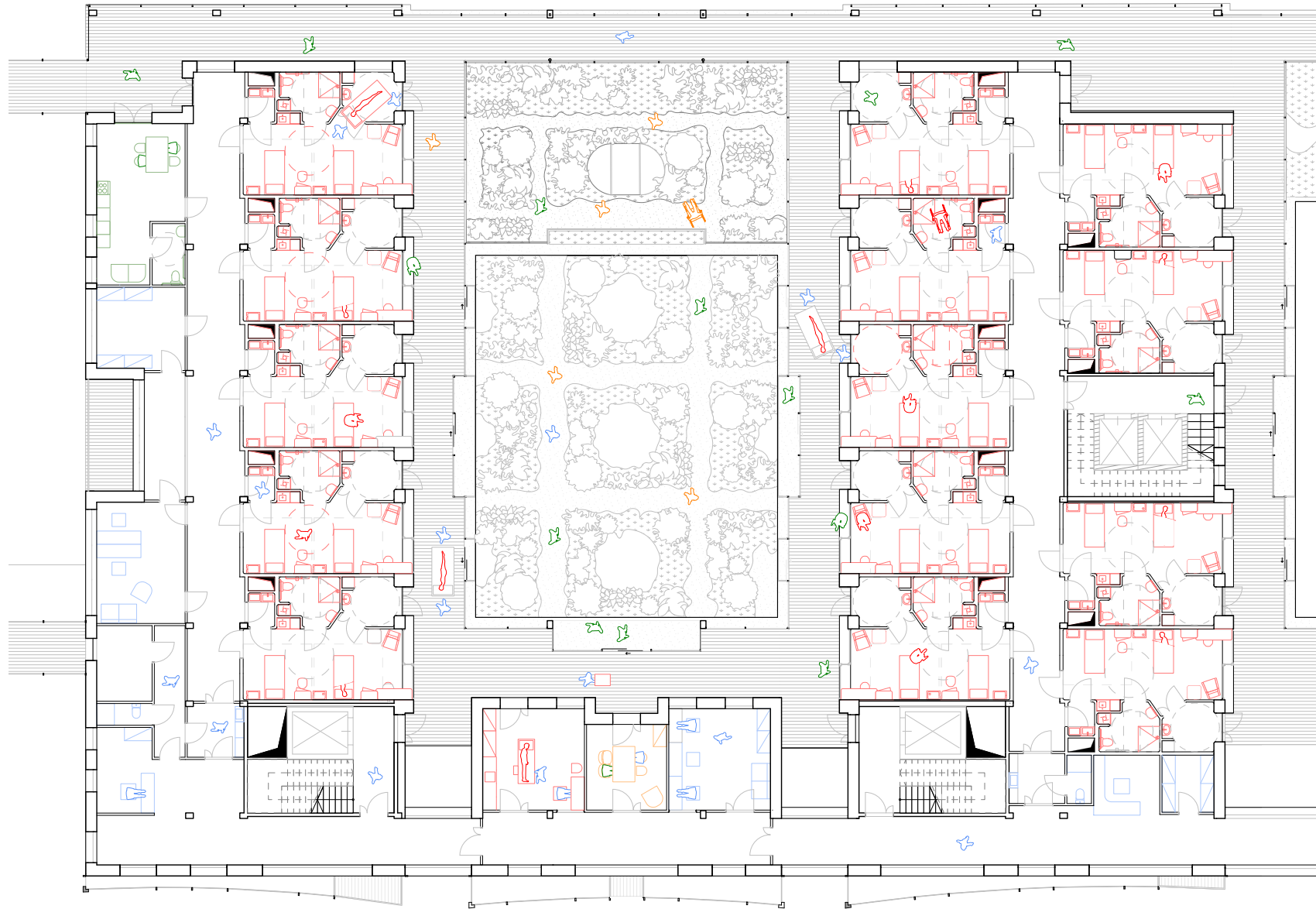
HOF VAN WOUW



VIEW - PATIENT COURTYARD AND TERRACE



HOTEL DIEU DE BEAUNE



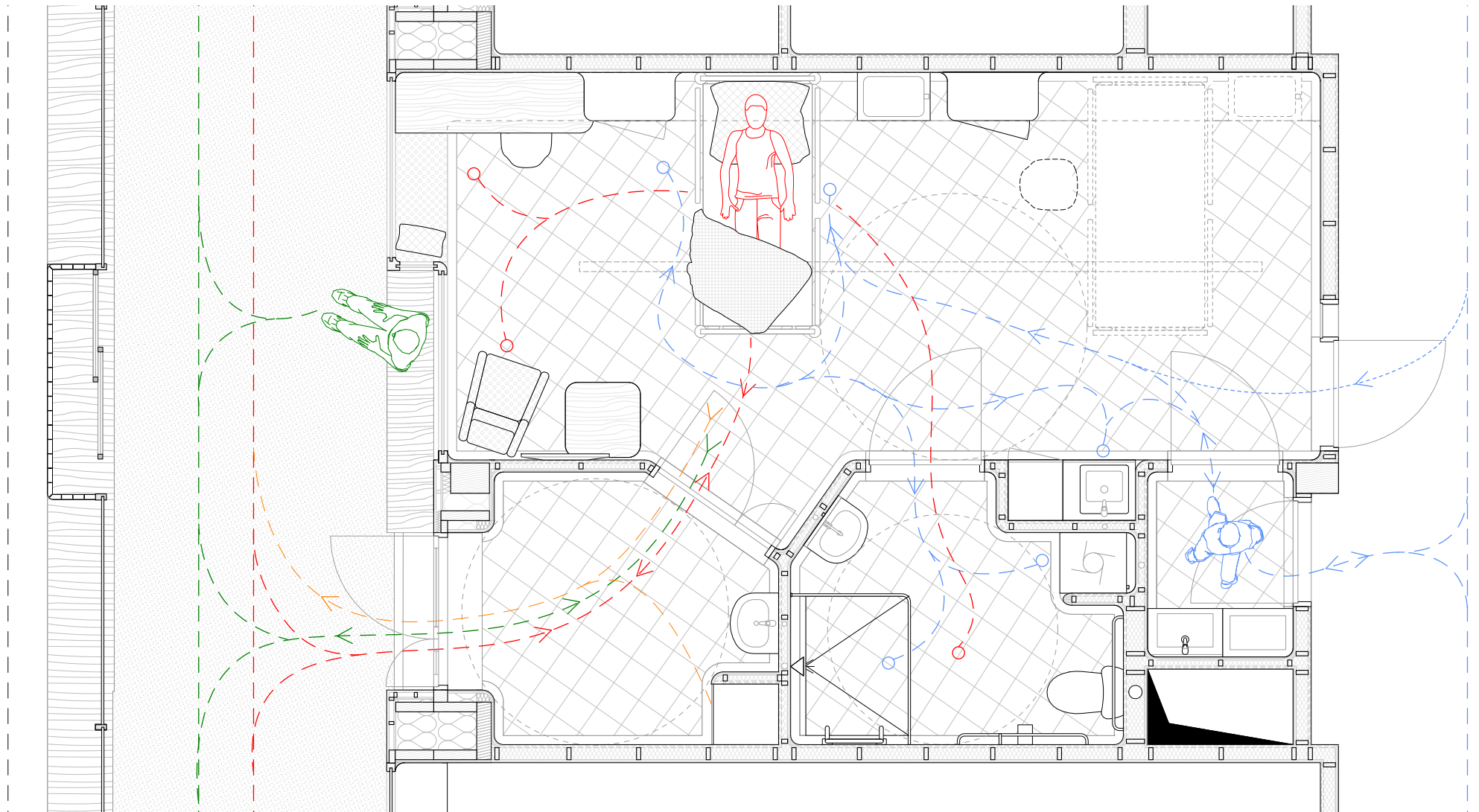
WARD COURTYARD PLAN



HOTEL DIEAU DE BEAUNE



VIEW - NATURALLY VENTILATED GALLERY



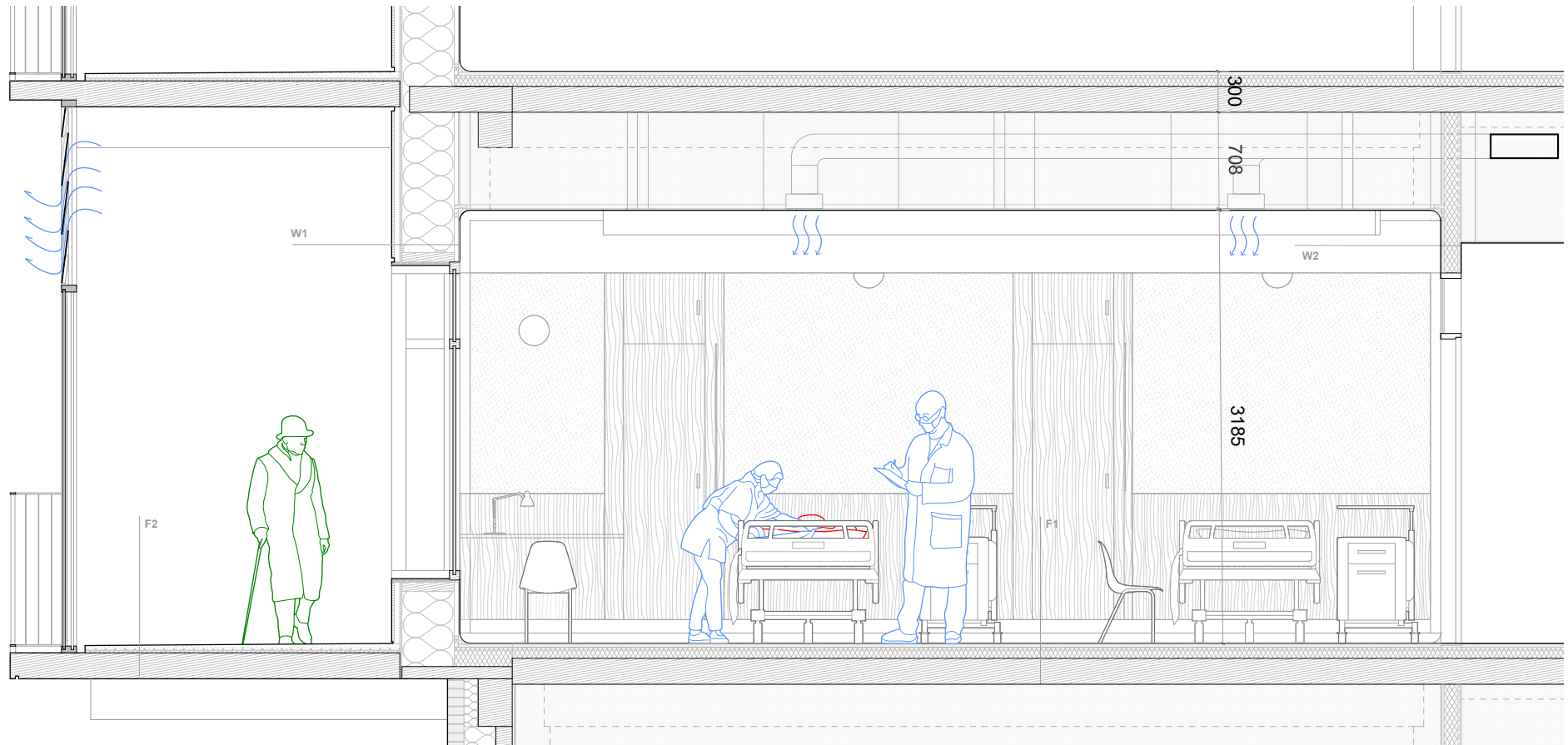
PATIENT ROOM PLAN



SANATORIUM PAIMIO - ROOM



VIEW - PATIENT ROOM



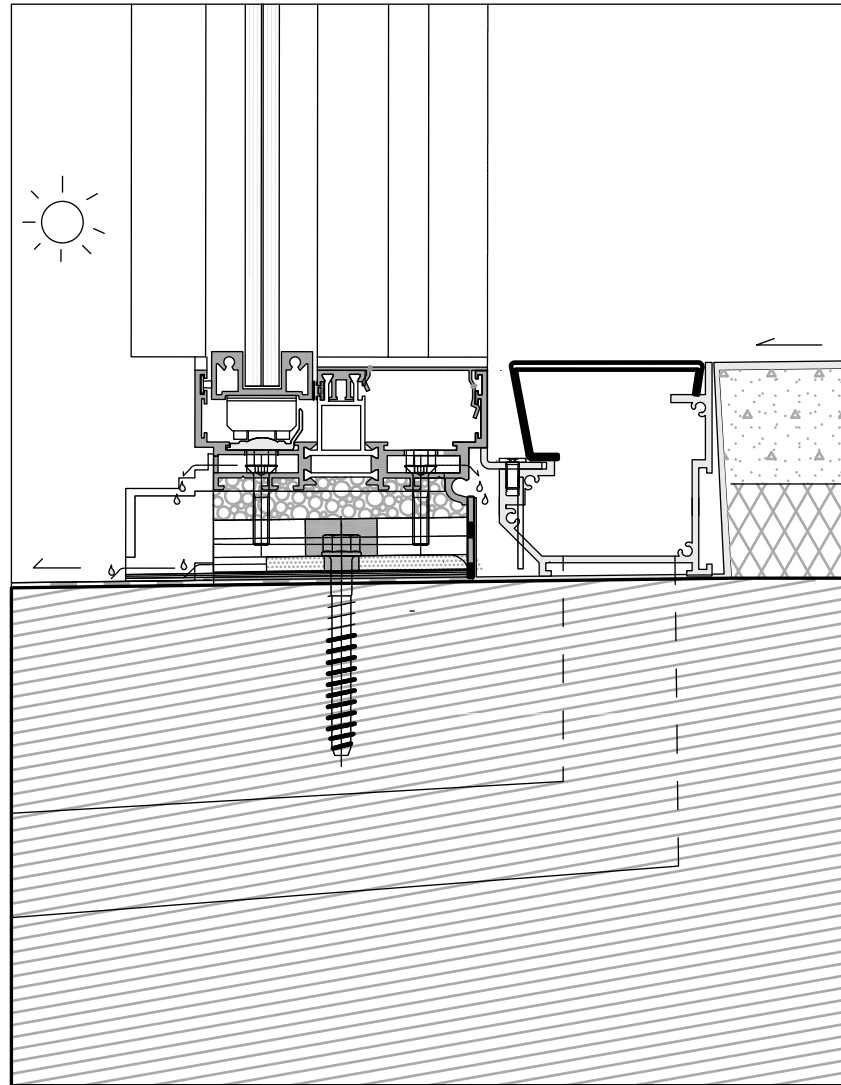
SECTION - PATIENT ROOM



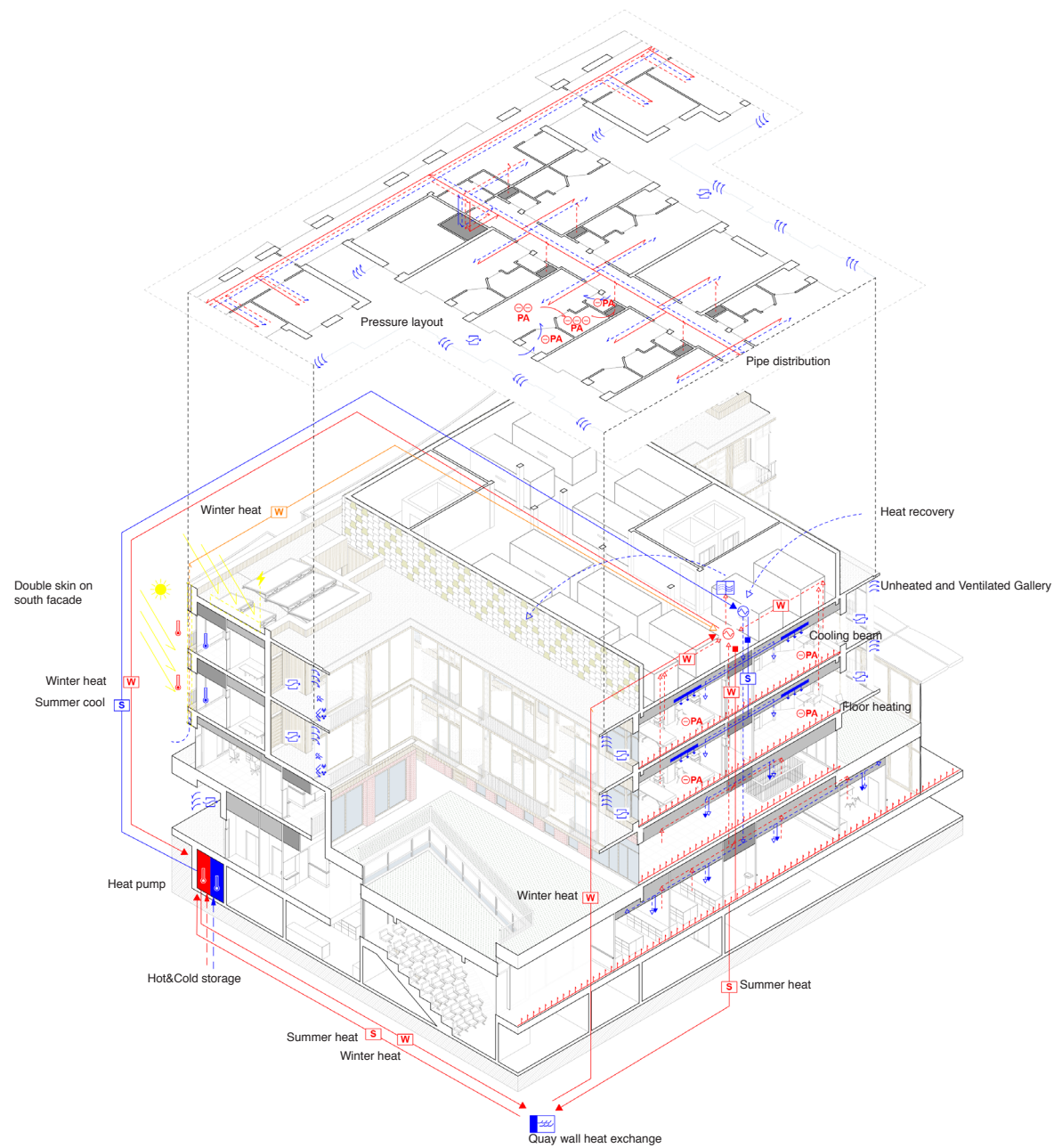
BIMARISTAN



VIEW - WINDOW IN THE PATIENT ROOM



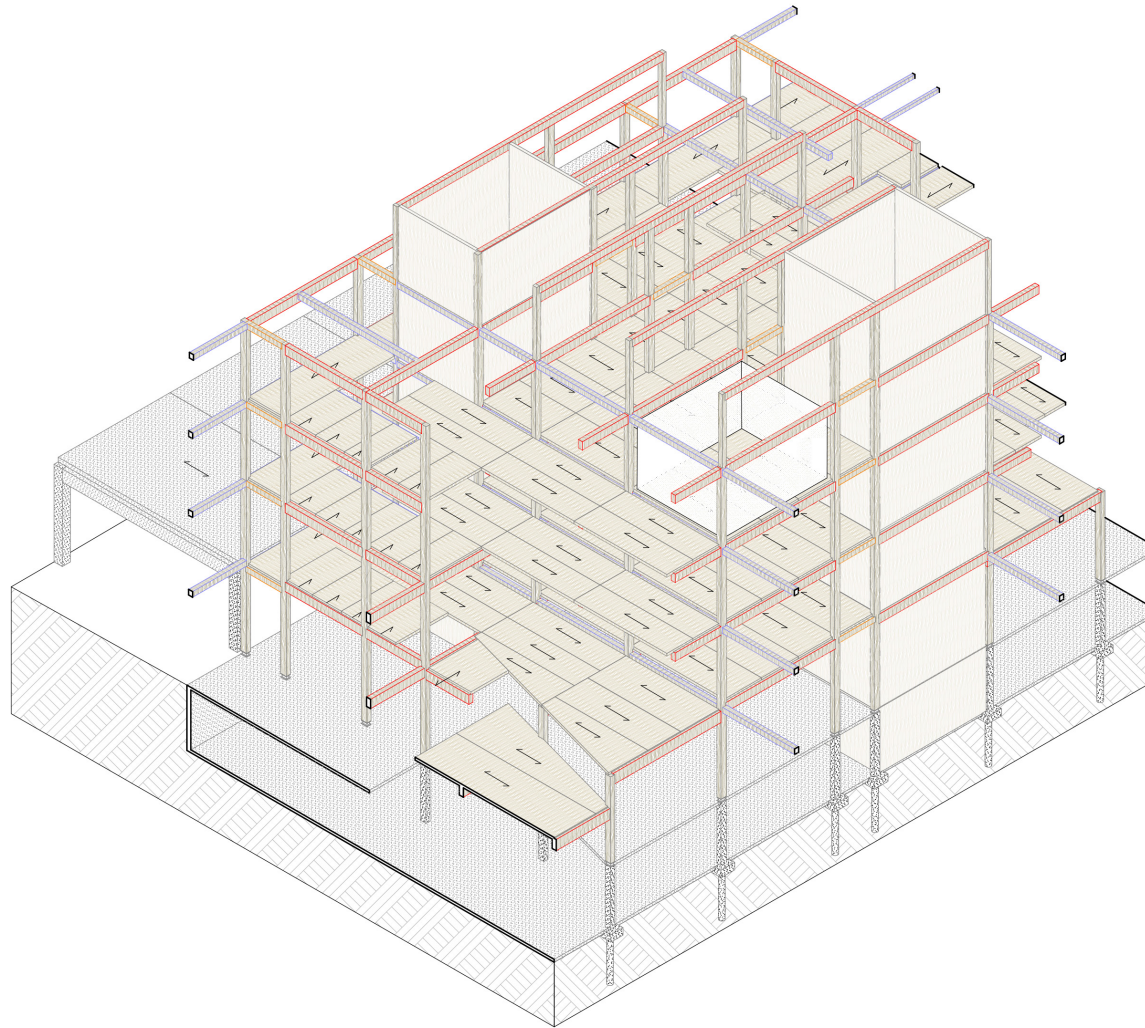
DETAIL - GALLERY GLAZING FRAME



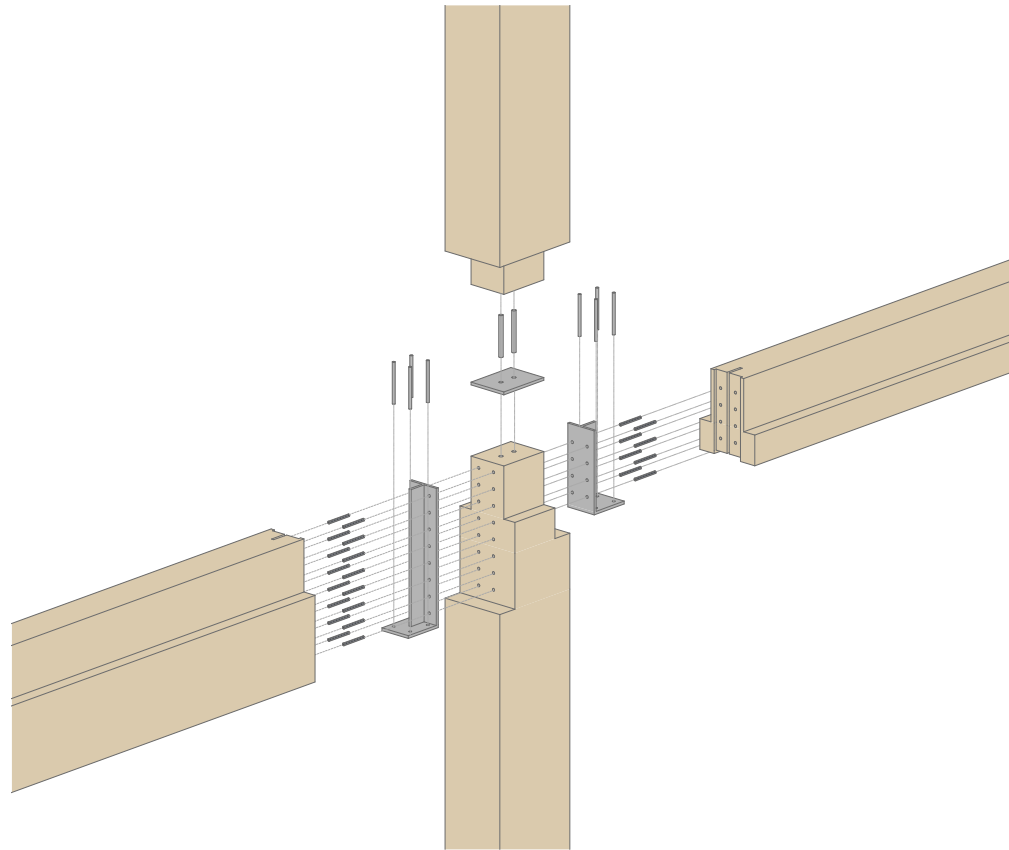
AXONOMETRY - CLIMATE



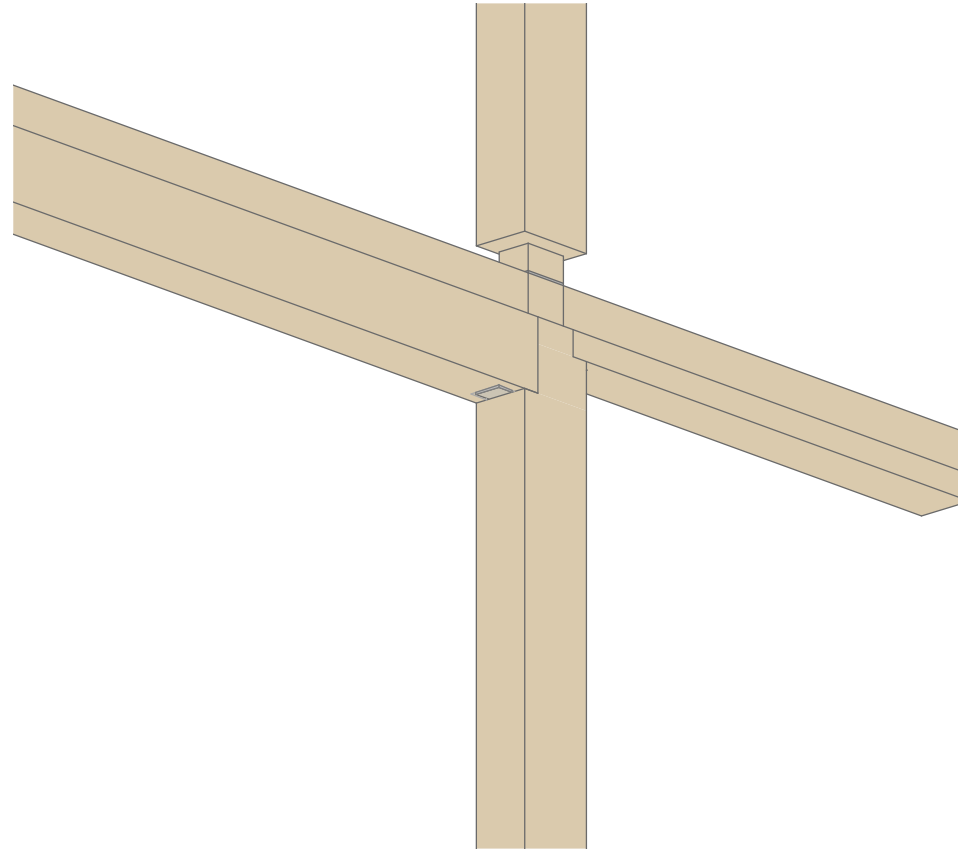
VIEW - CANTEEN



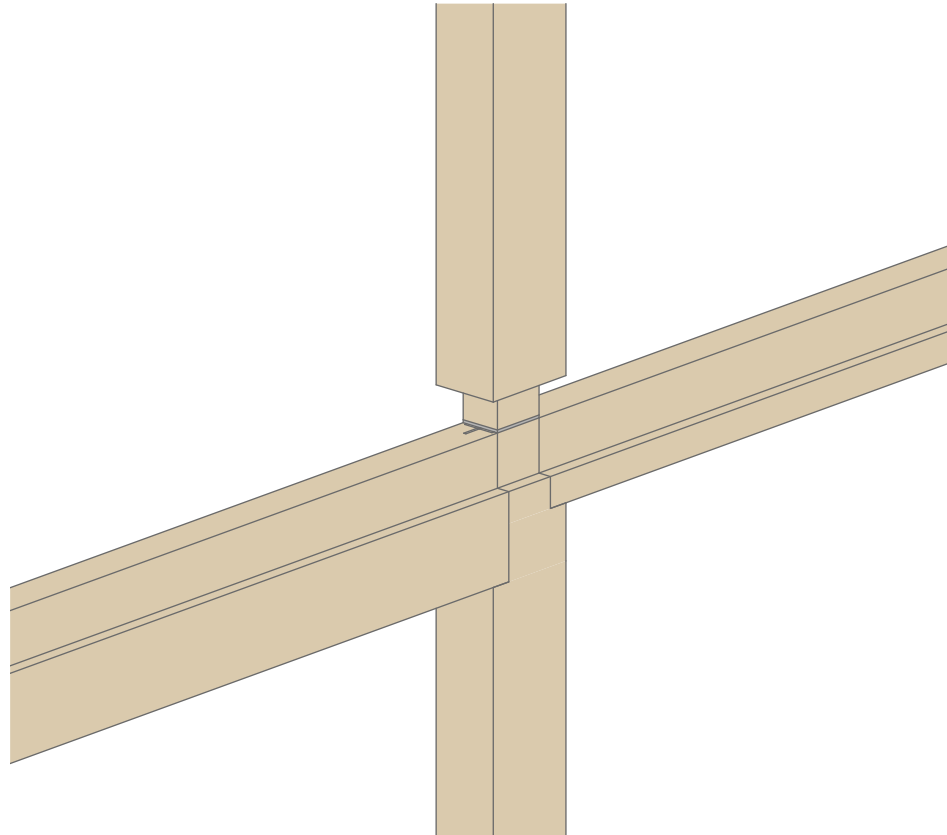
AXONOMETRY - STRUCTURE



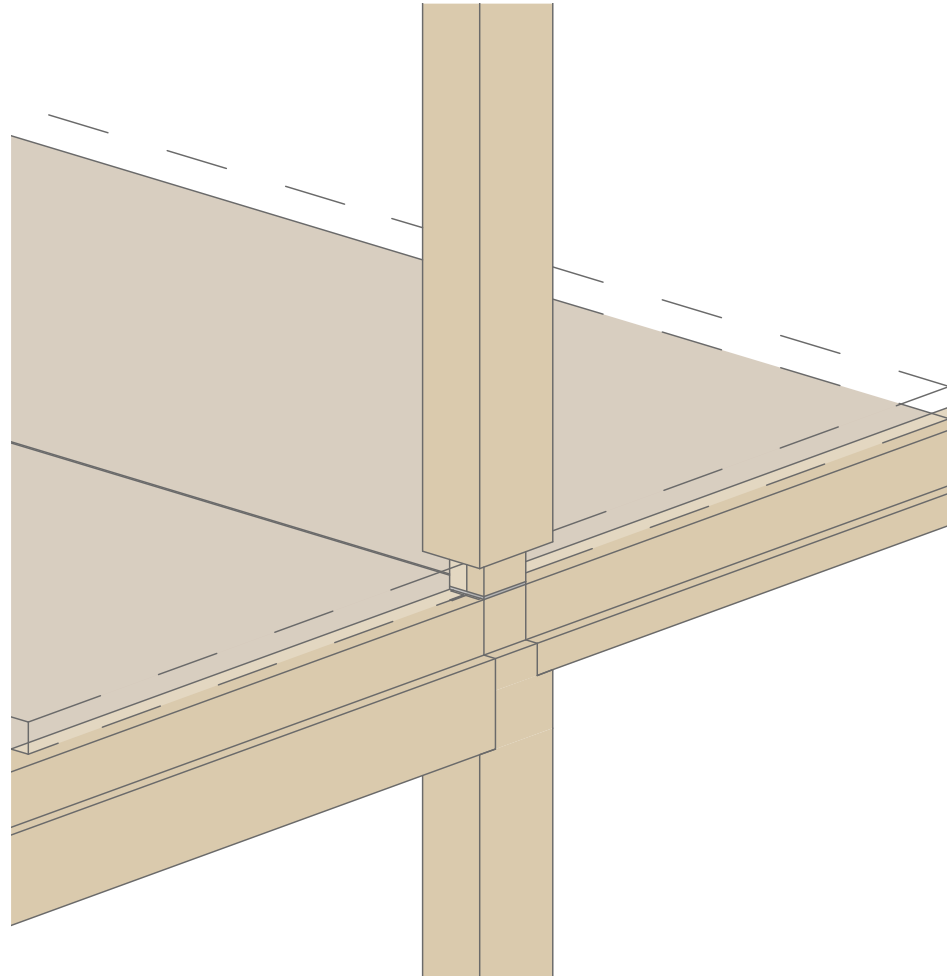
DETAIL - BEAM / COLUMN JOINT



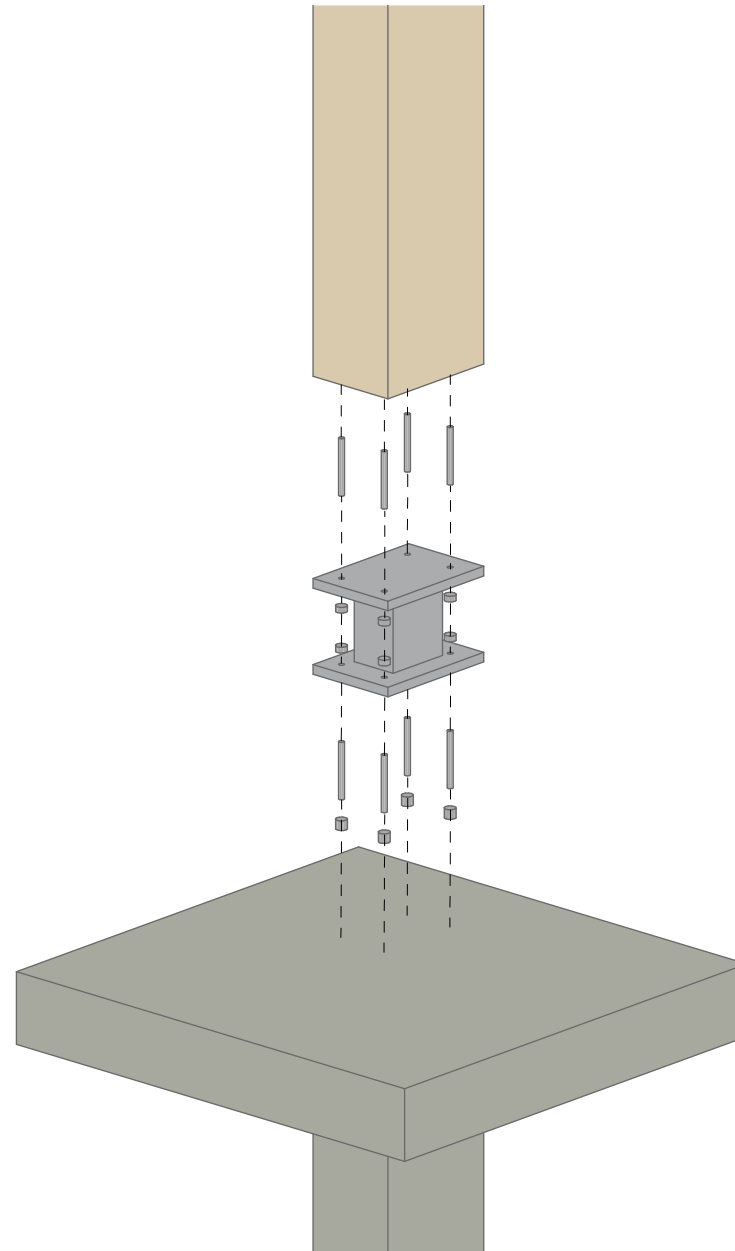
DETAIL - STRUCTURE JOINT



DETAIL - STRUCTURE JOINT



DETAIL - STRUCTURE JOINT



DETAIL - FOUNDATION AND COLUMN JOINT

Thank you