

custom-made top part / light installation

ventilation channels assembled onto metal deck of skybridge

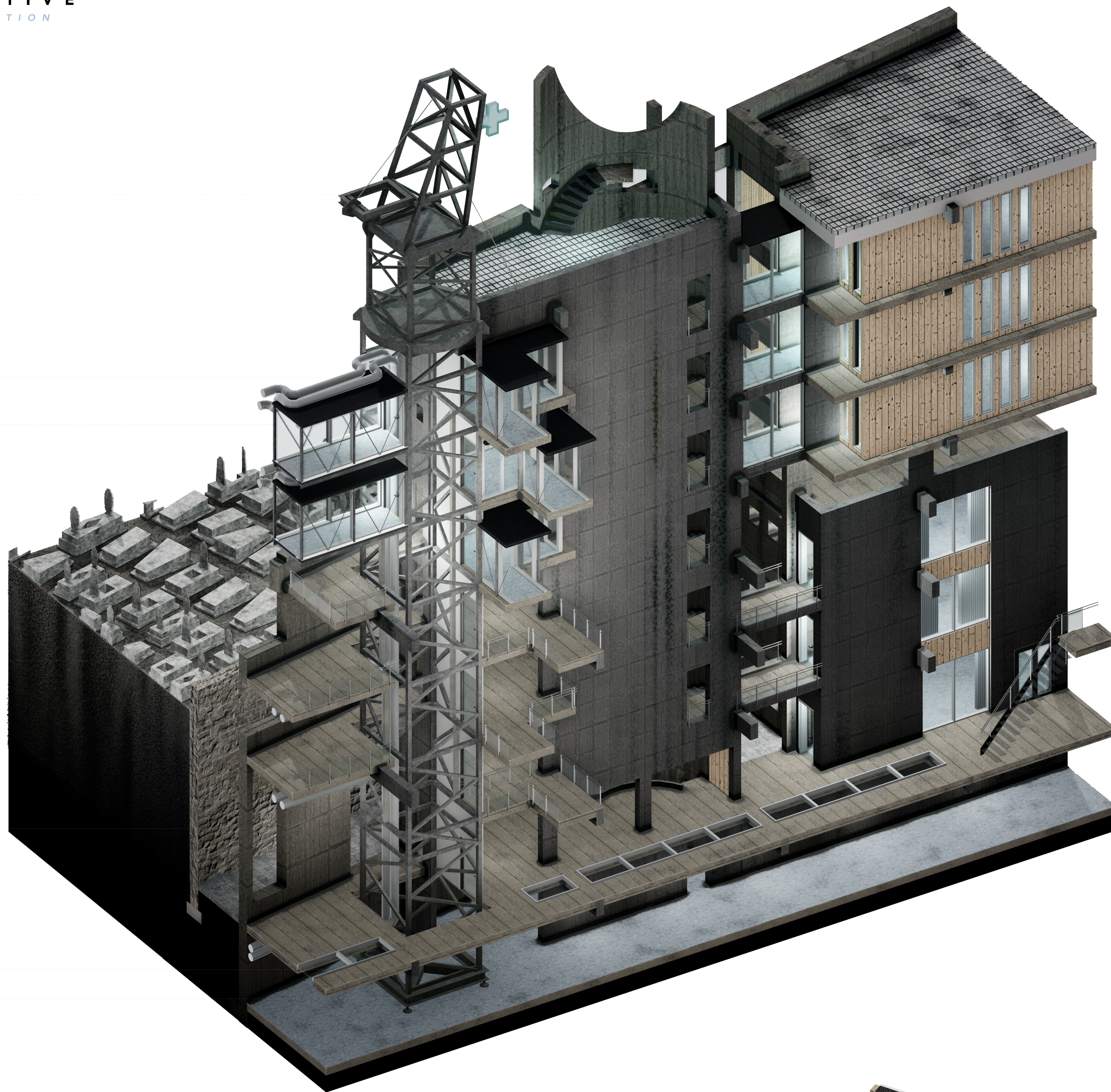
skybridges connecting to medical spaces as climatic transition

open-air vista's and bridges connecting the non-clinical areas on the lower levels

double height openings at the southern corridor

horizontal windows integrated in ground floor, letting light through to the bunker

assemblage tower crane to existing concrete slab foundation



Detailed isometric views of typical exterior build-up

0 20 40 60 100mm



Extra Resistant Gypsum Board, 2x15 (mm)

structural plywood with dampproof layer, 5 (mm)

rigid fire resistant insulation with Kerol (100x50, 100 (mm)

structural plywood, 5 (mm)

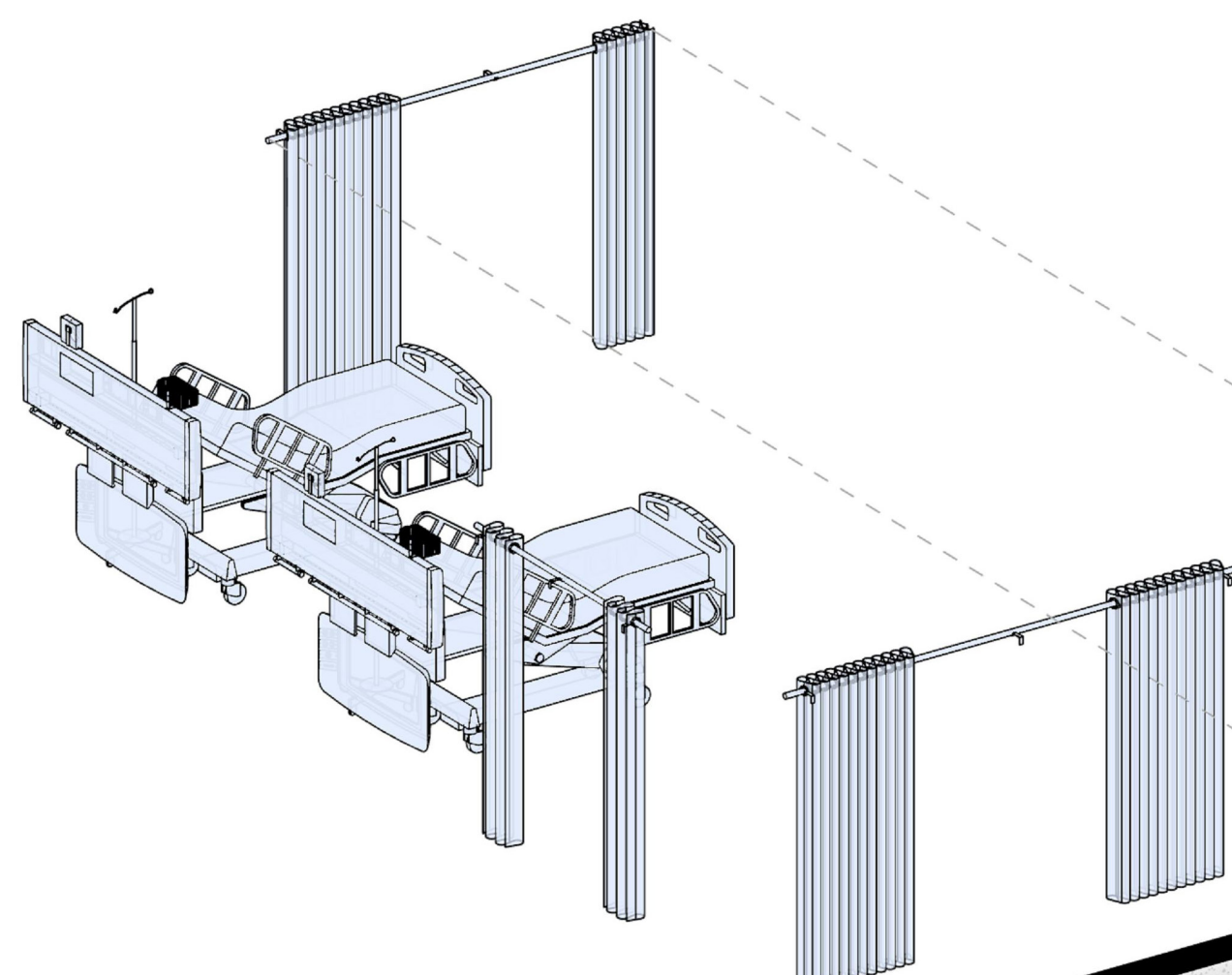
Extra Resistant Hydro Gypsum Board, 2x15 (mm)

furring strips on waterproof sheet, 15 (mm)

birch facade finish, vertical alignment, 15 (mm)

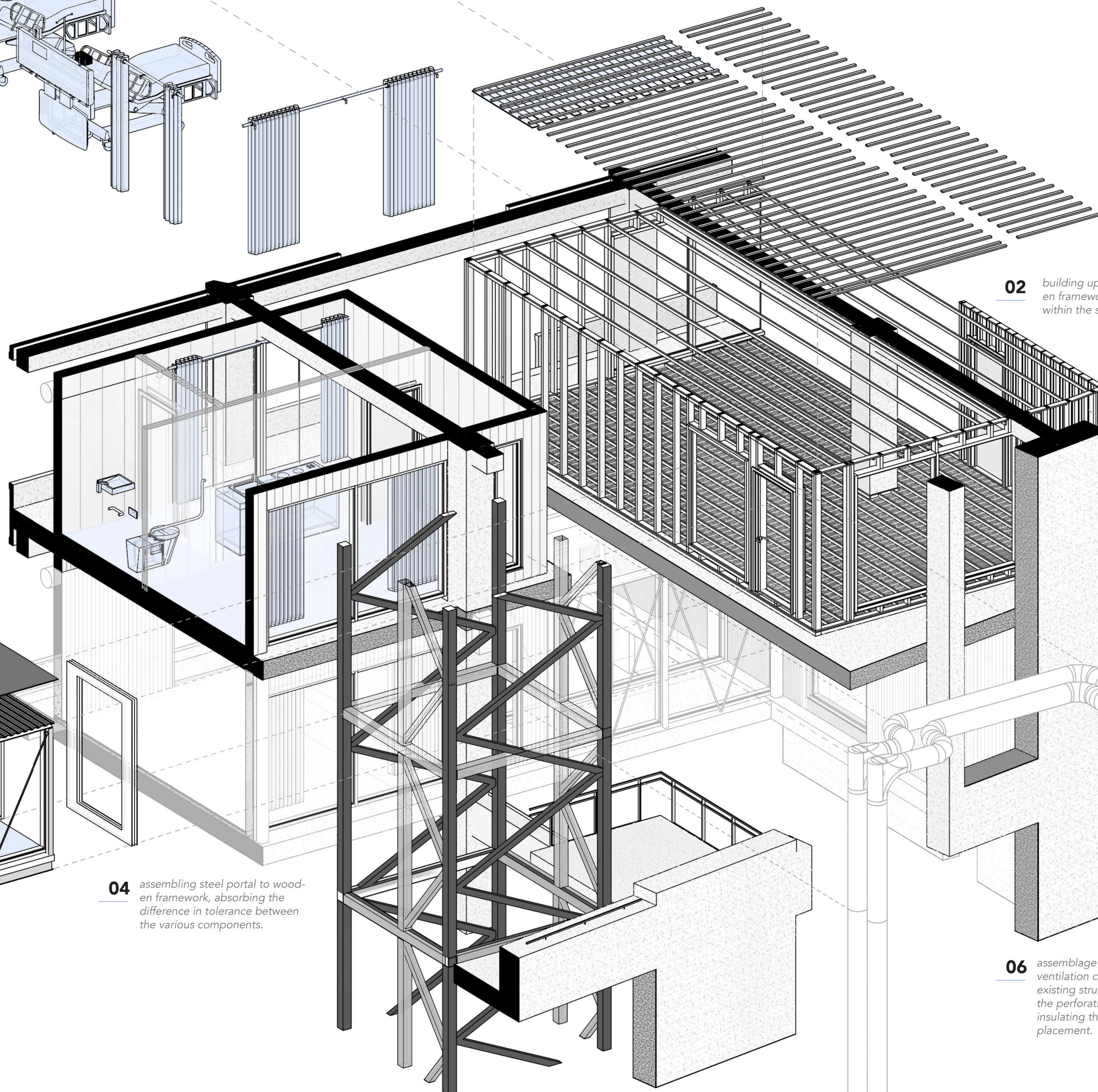
Exploded isometric showing building process / sequence

07 installation of medical equipment and interior fixtures such as the curtains.



03a placement of plumbing fixtures and piping along with electrical fixtures, whilst filling in the wooden frame with insulation and its shelling, alongside with the doors and windows.

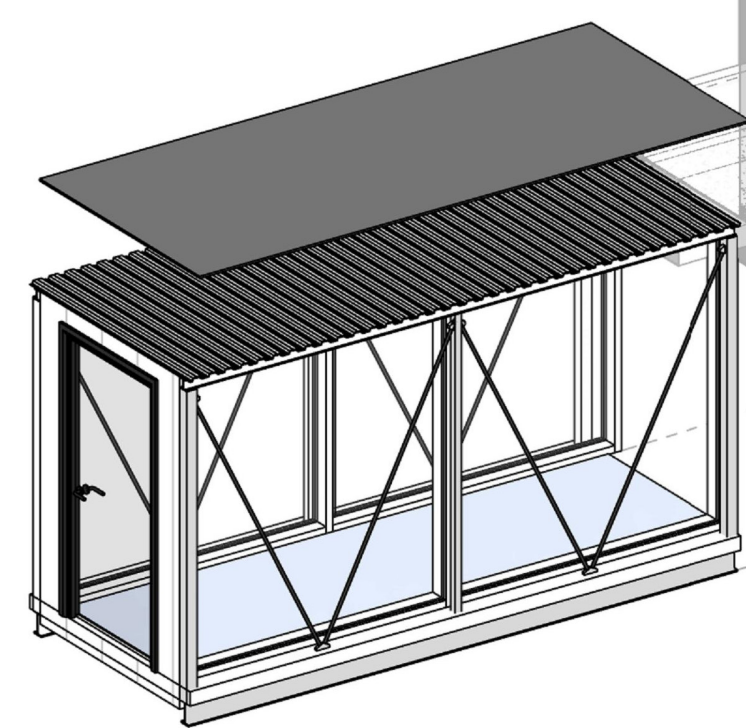
03b outfitting the wooden framework with its subsequent finishing layers, containing designated perforations for the ventilations channels.



02 building up the wooden framework from within the structure.

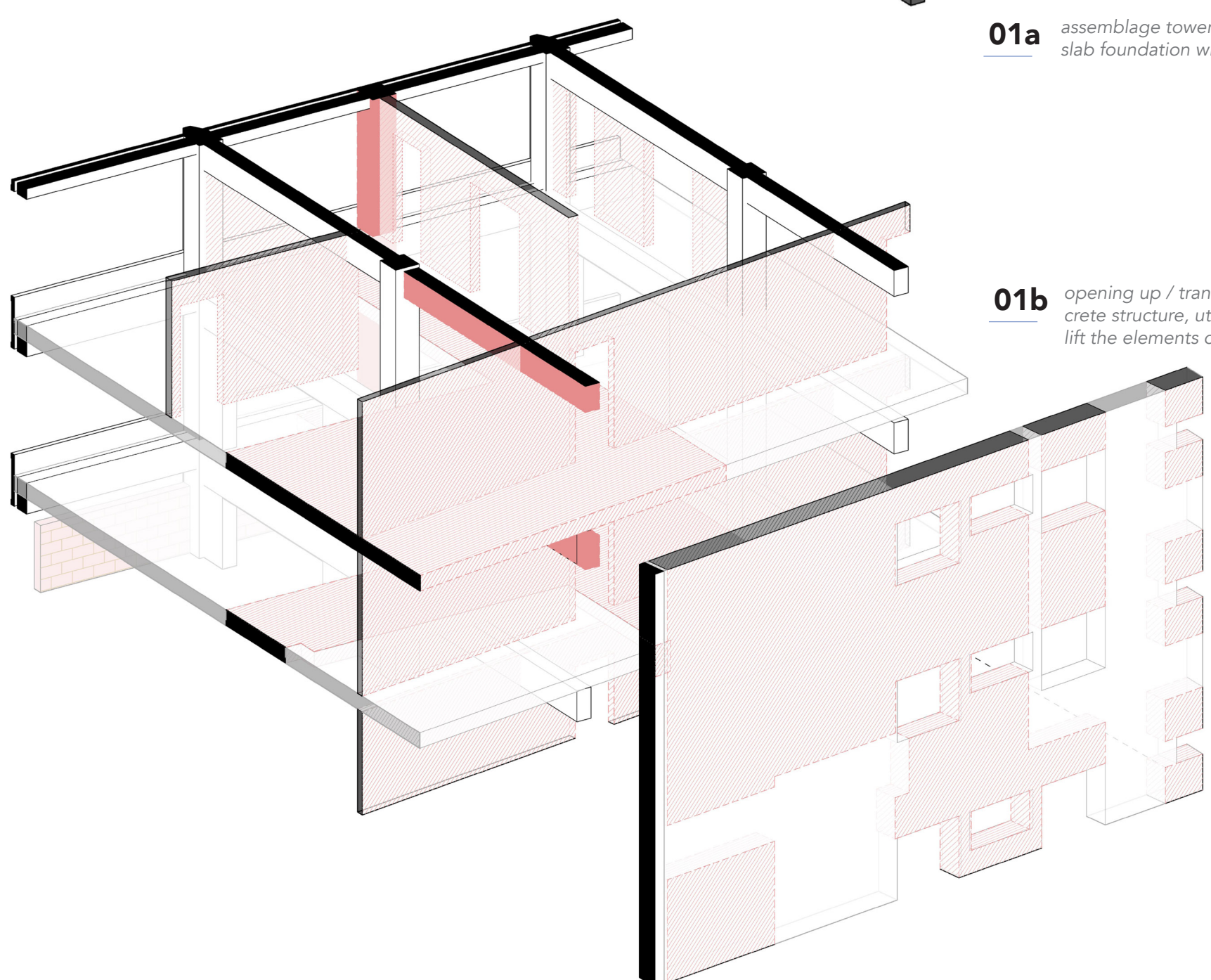
04 assembling steel portal to wooden framework, absorbing the difference in tolerance between the various components.

05 lifting in and attaching prefabricated skybridges to tower crane, the existing concrete floors, and the steel portals.



01a assemblage tower crane to existing concrete slab foundation with integrated elevator.

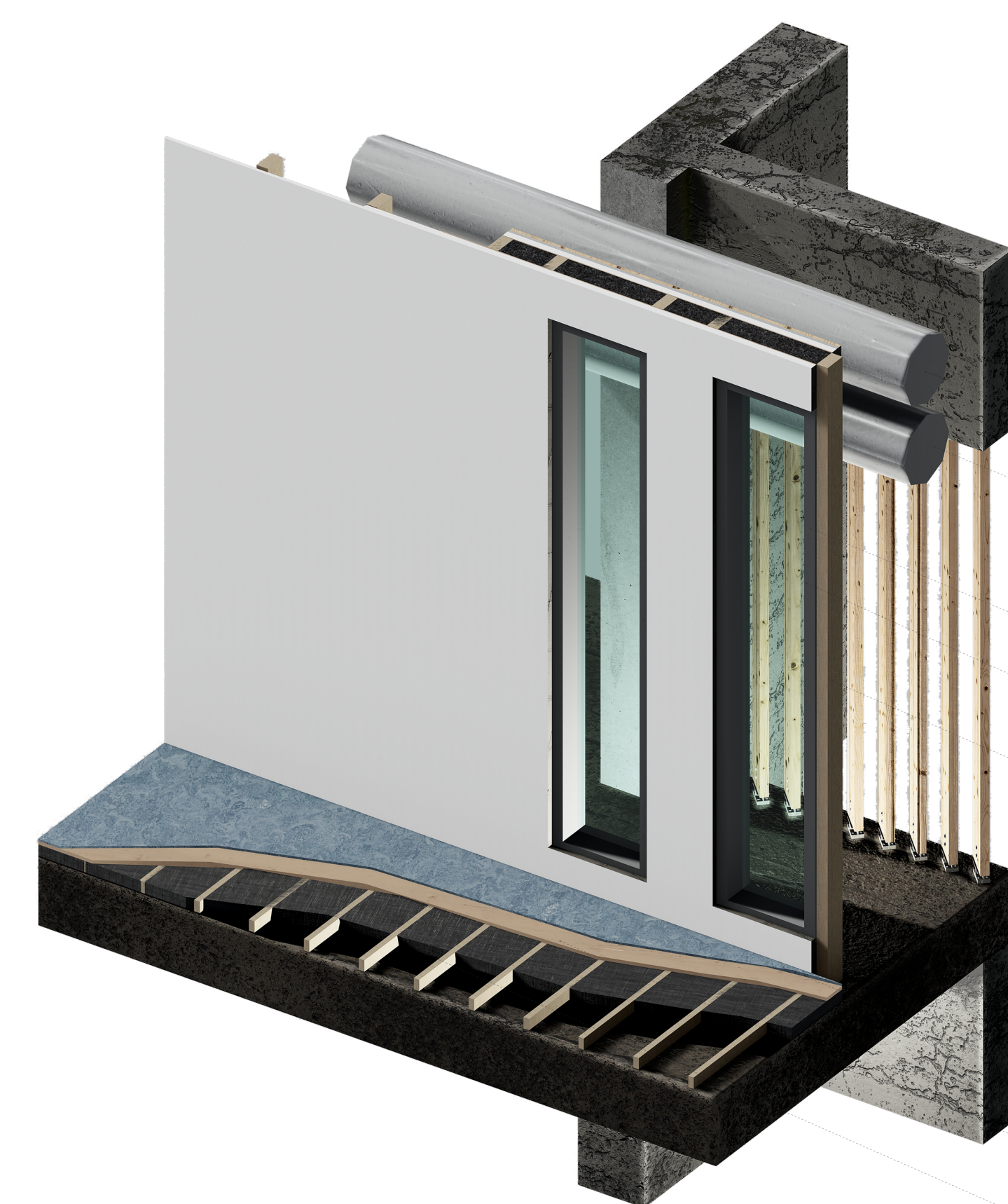
01b opening up / transforming the existing concrete structure, utilising the tower crane to lift the elements out.



06 assemblage and integration of ventilation channels onto the existing structure and through the perforations in the facades, insulating the cavities after placement.

Detailed isometric views of typical interior build-up

0 20 40 60 100mm



supply ventilation channel, diameter 300 (mm)

exhaust ventilation channel, diameter 300 (mm)

wooden lammella (75x25)

curtain wall in aluminum frame (150x50)

sawn lumber construction frame (100x50)

steel knife plate connector footing for lamella

Linoleum flooring, 10 (mm)

treated plywood board, 15 (mm)

pressure resistant insulation with wooden slats (50x50)

water resistant plastic sheet, 6 (mm)