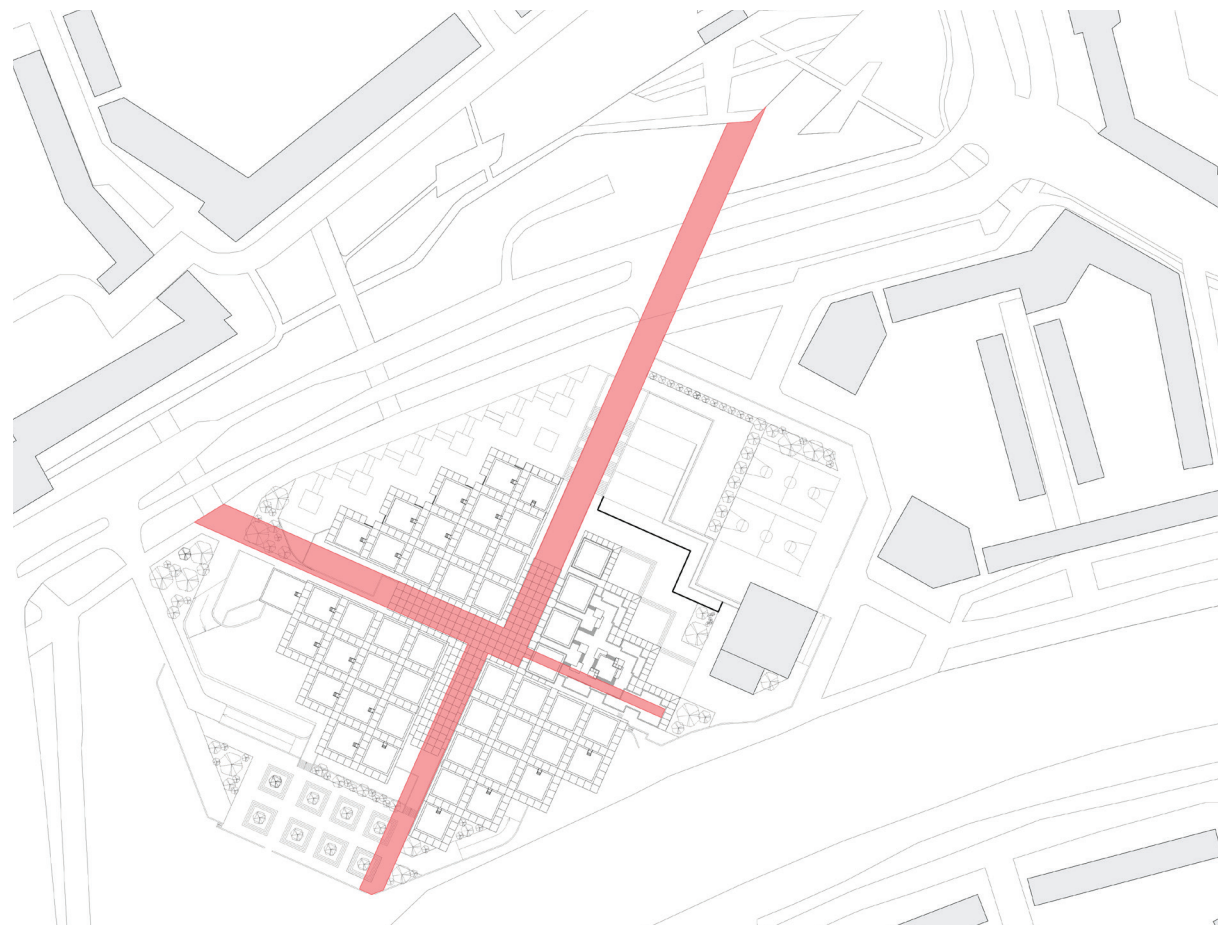
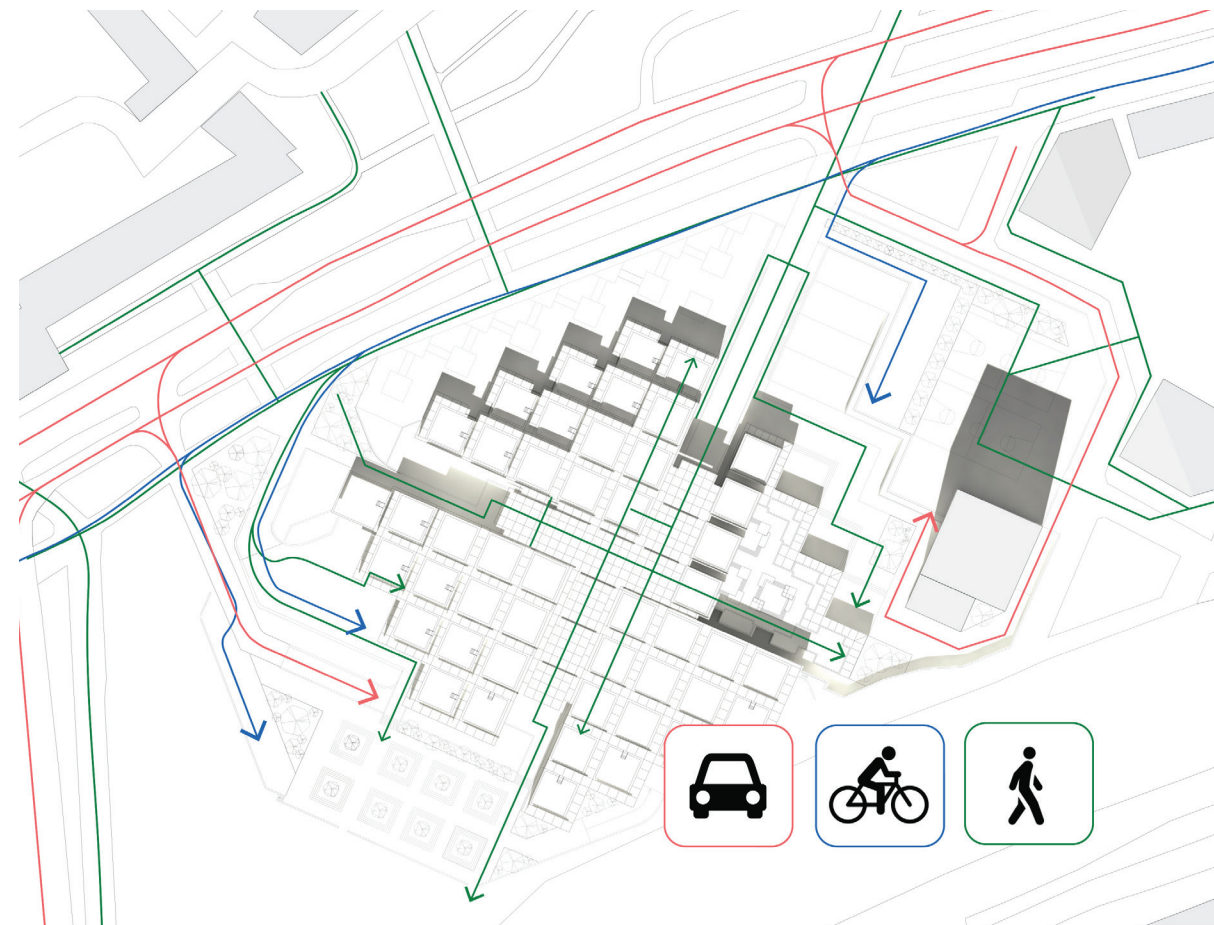


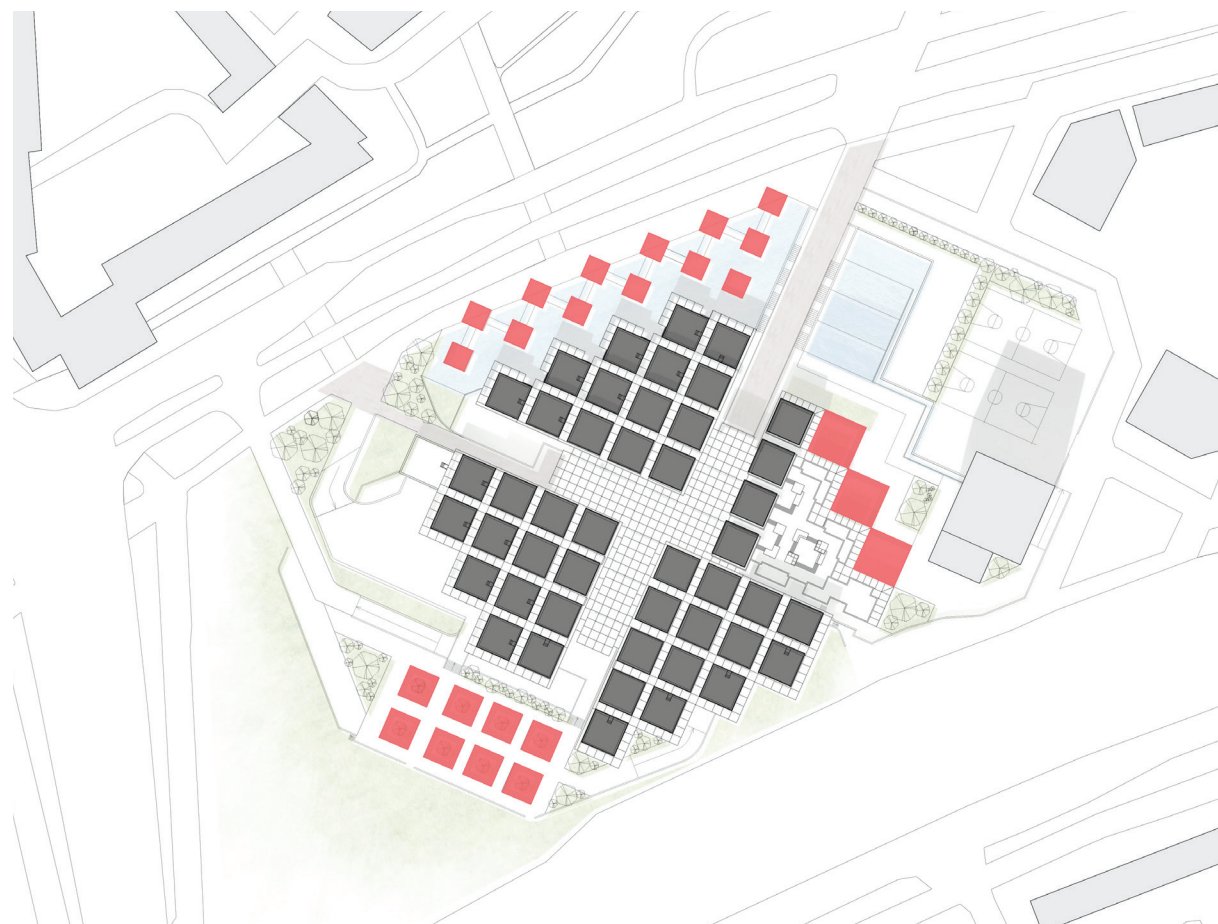
masterplan



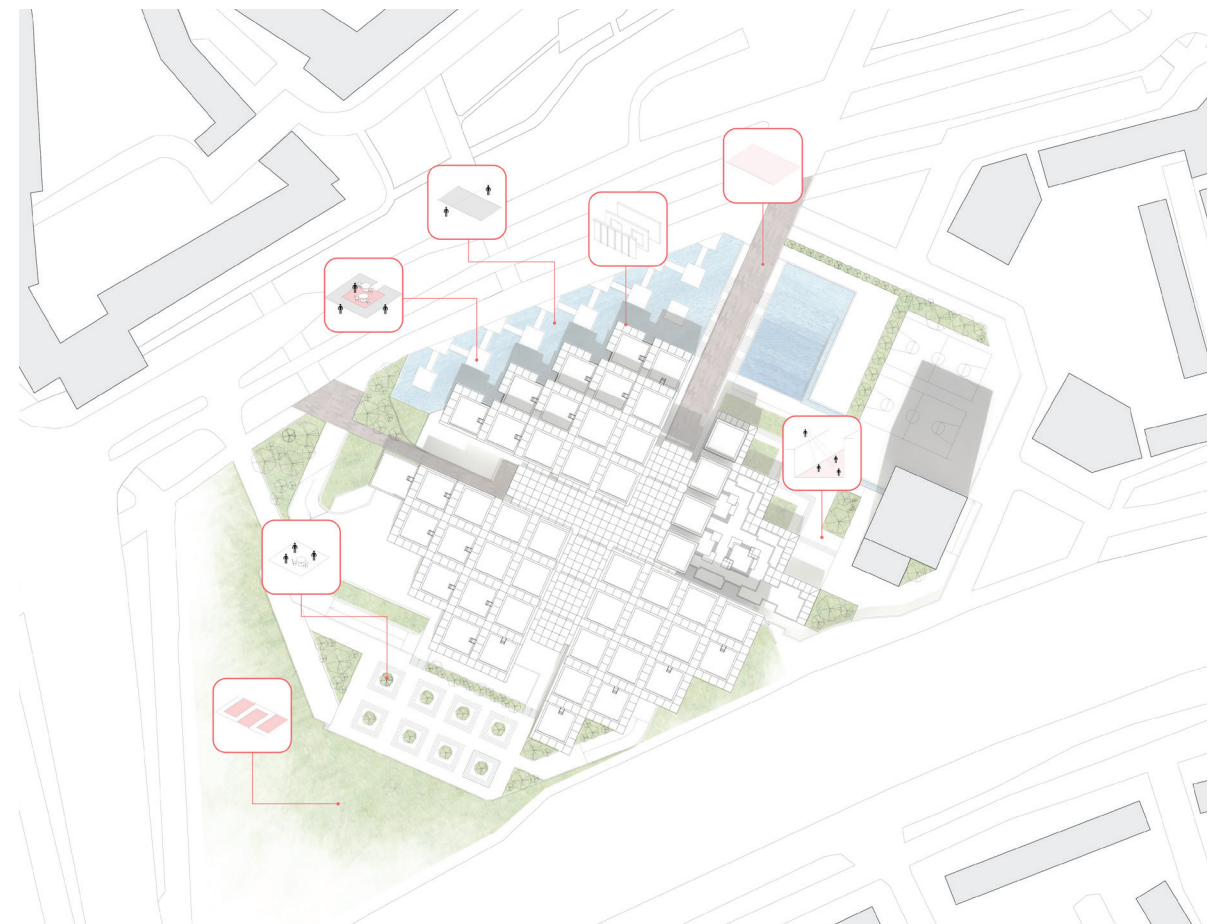
urban axis



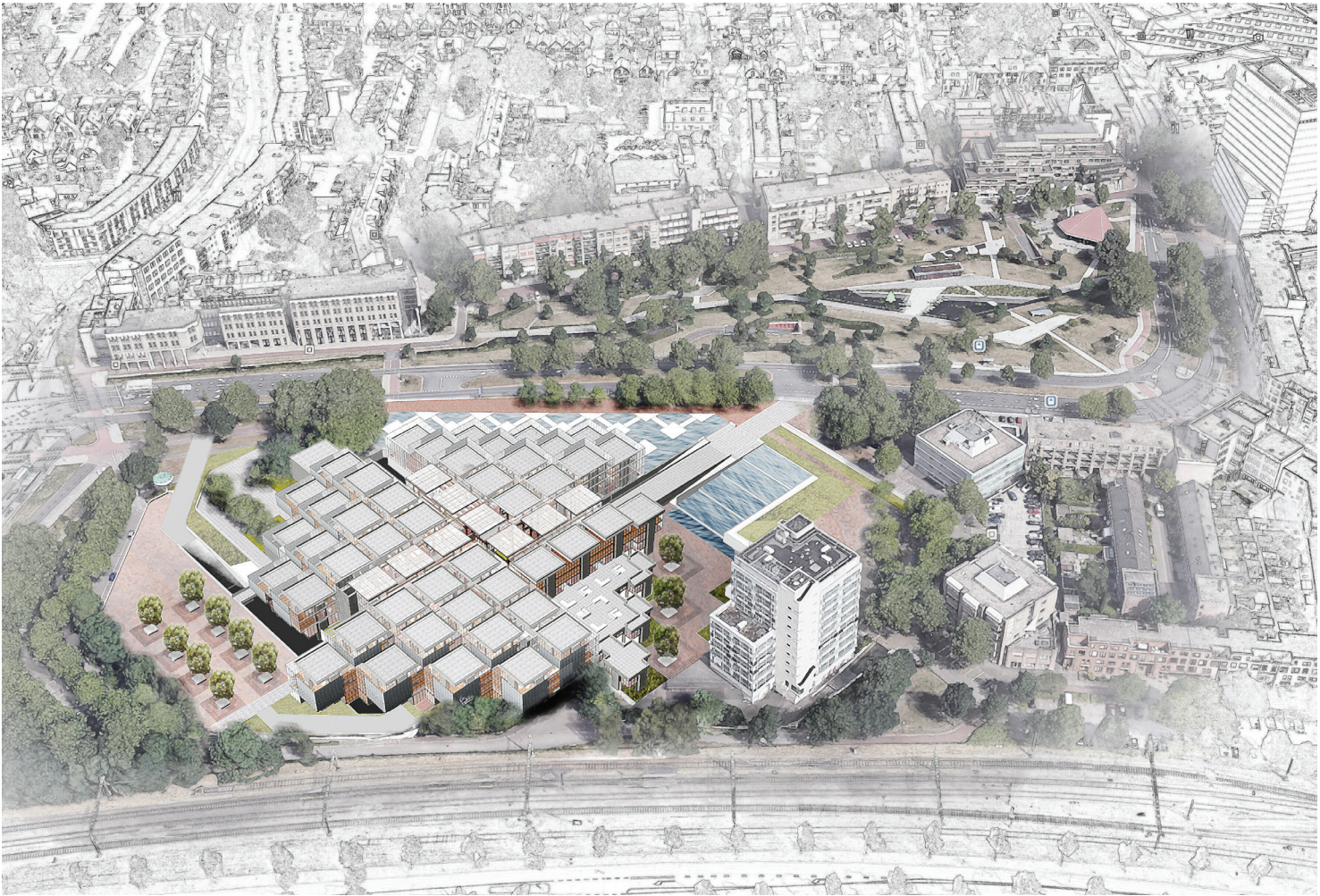
circulation



implying the inner spatial logic

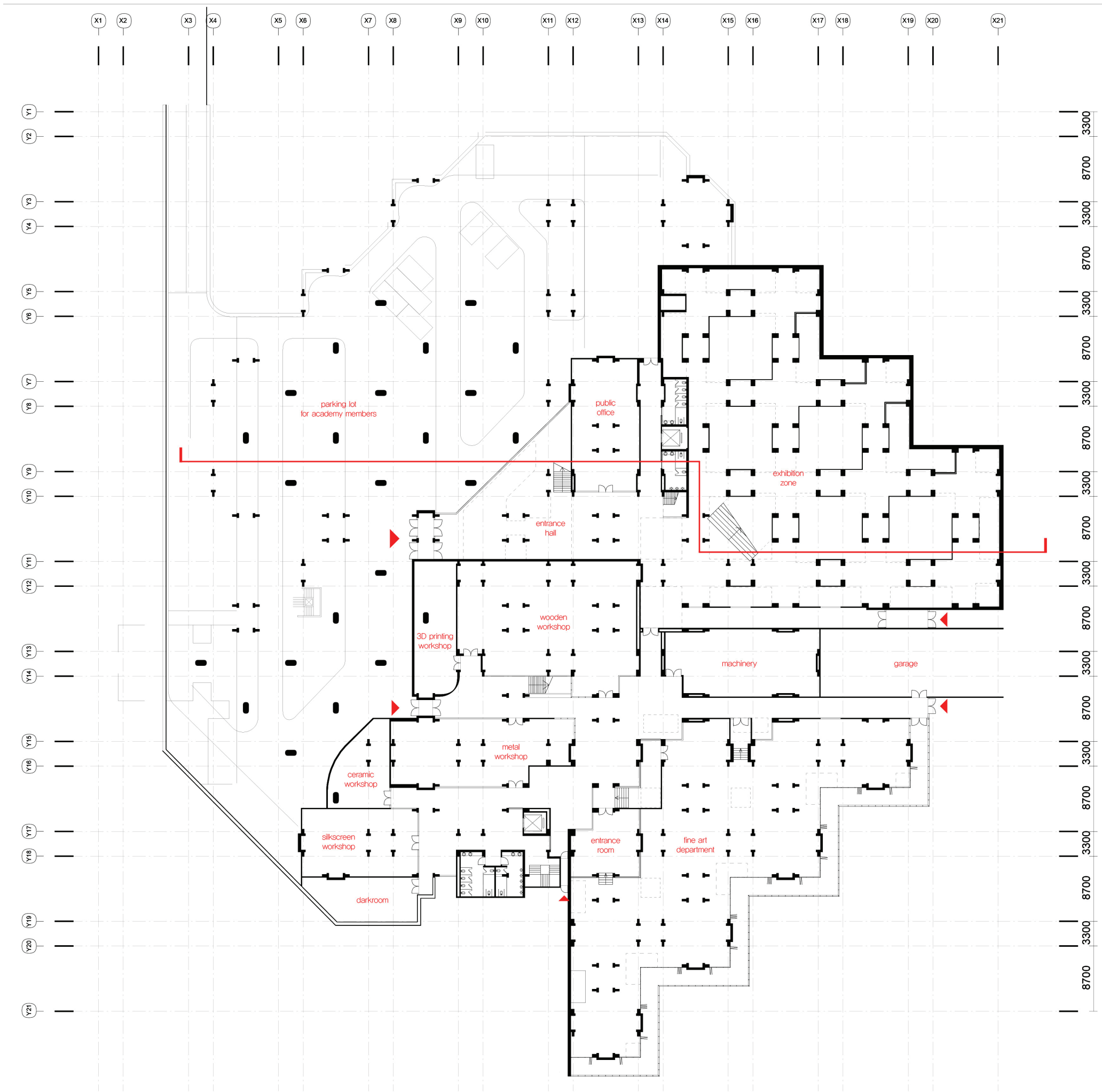


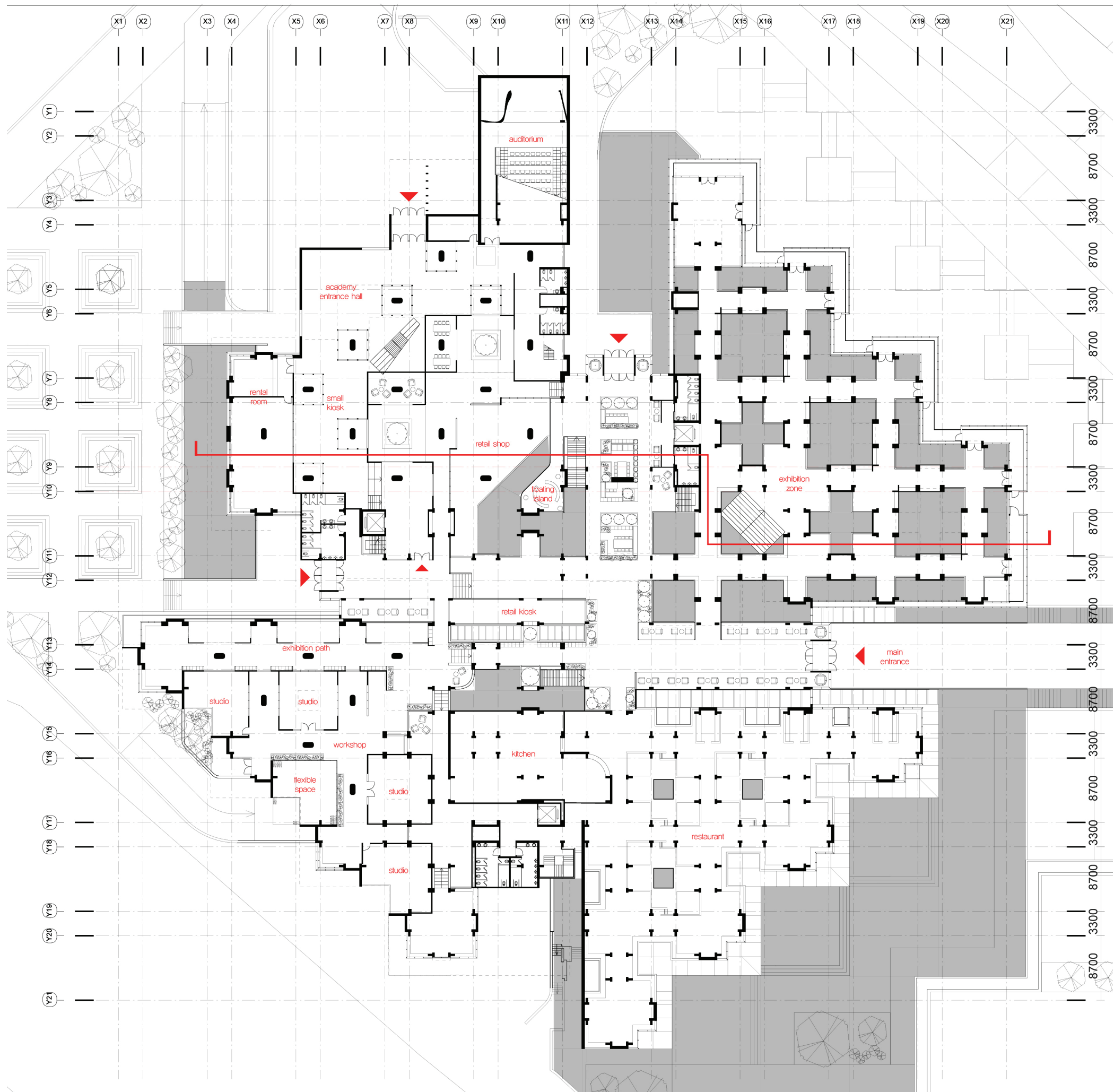
applying spatial element for interaction

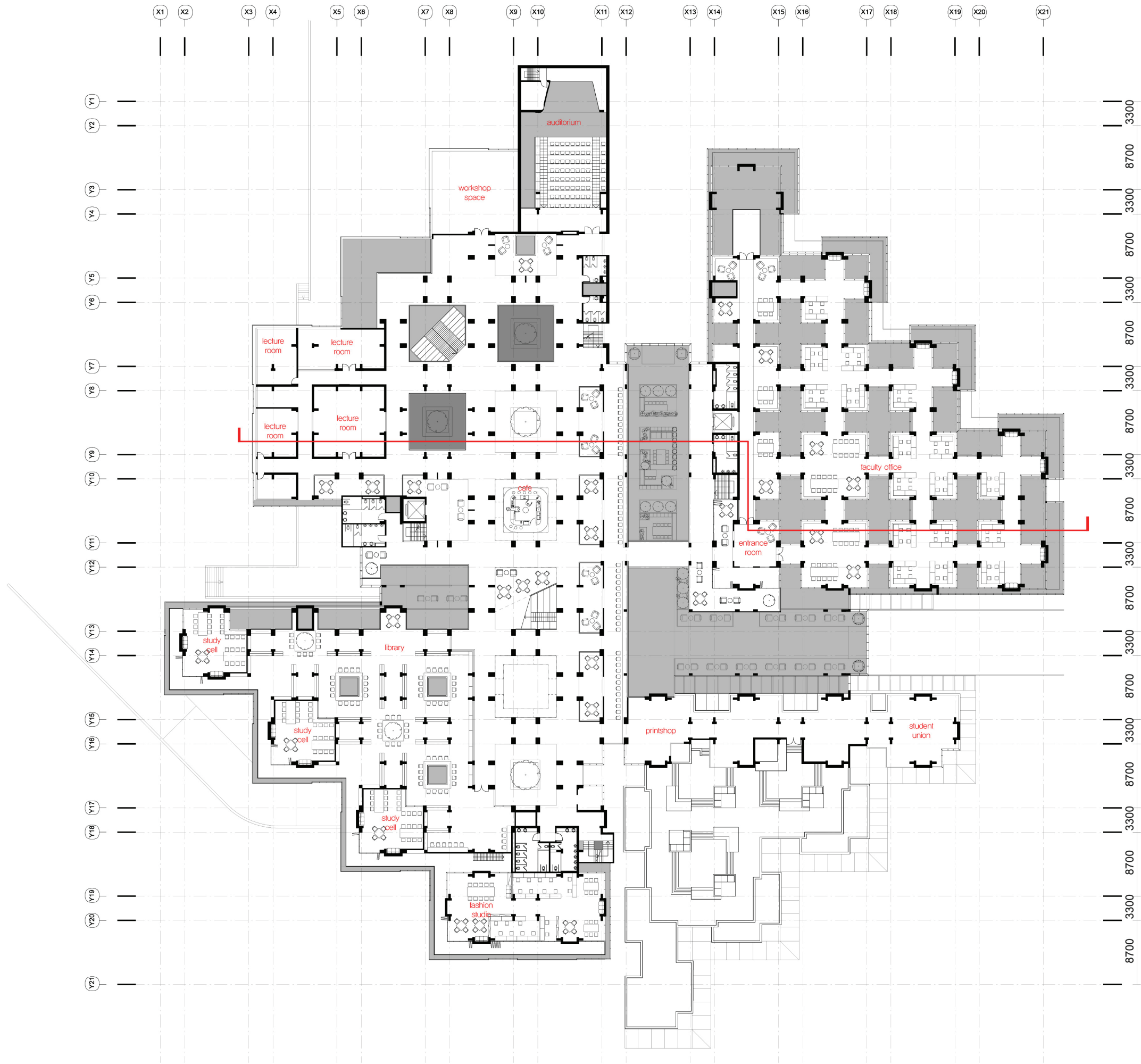


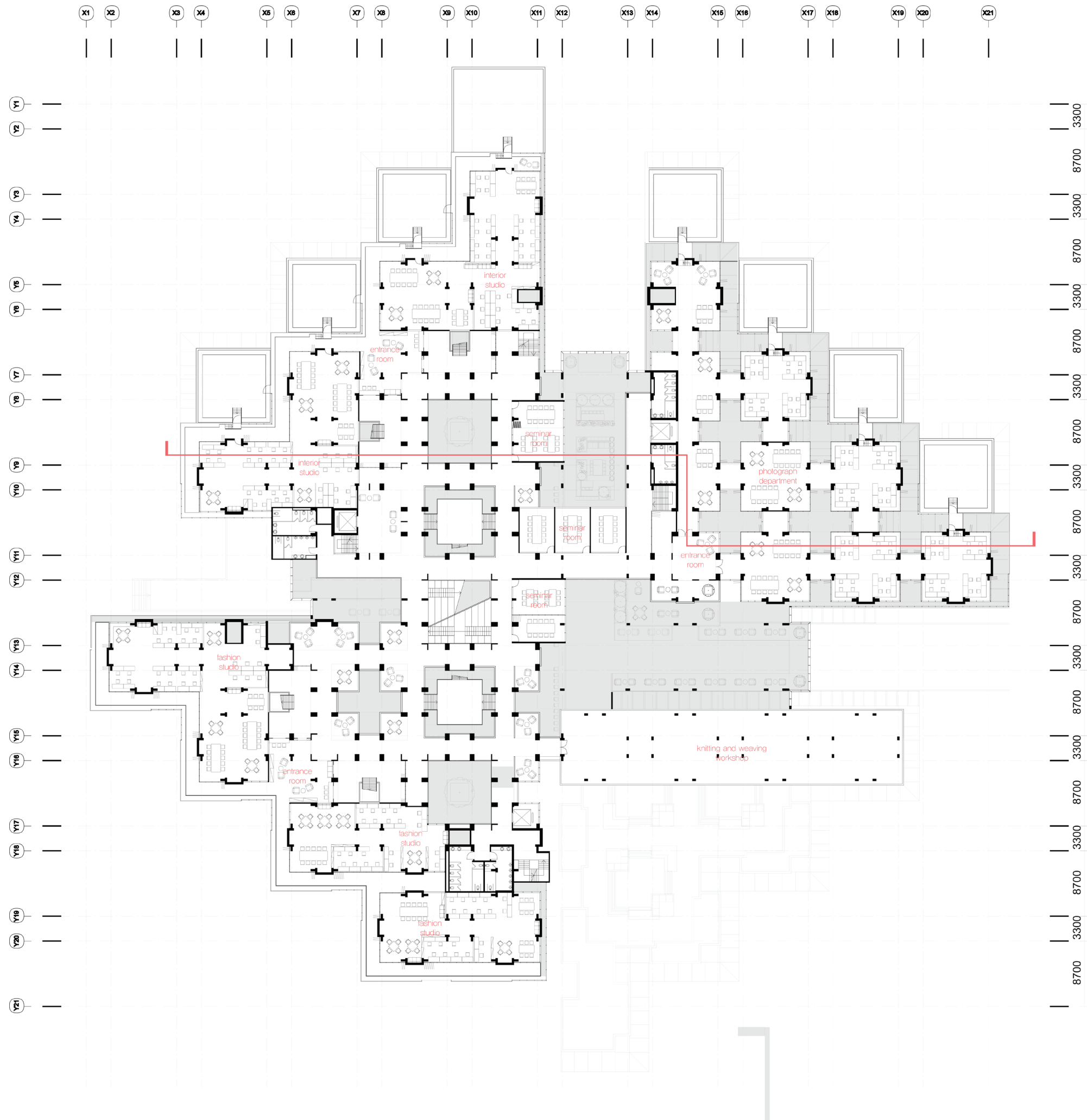


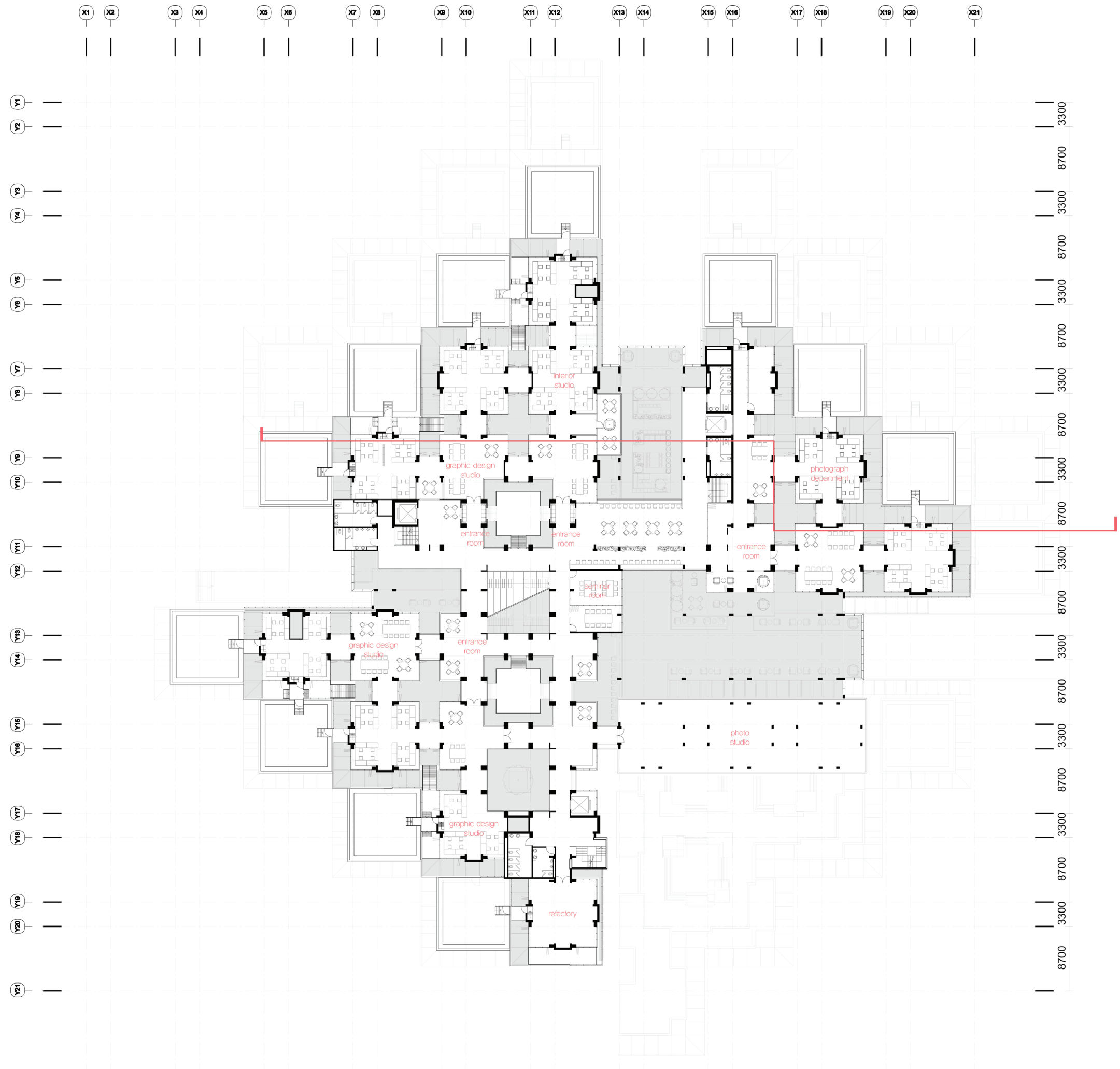
drawings

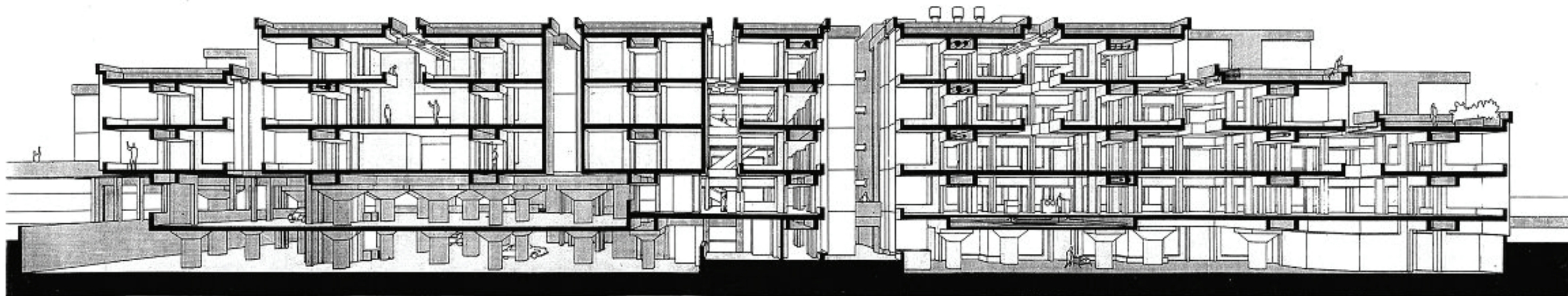




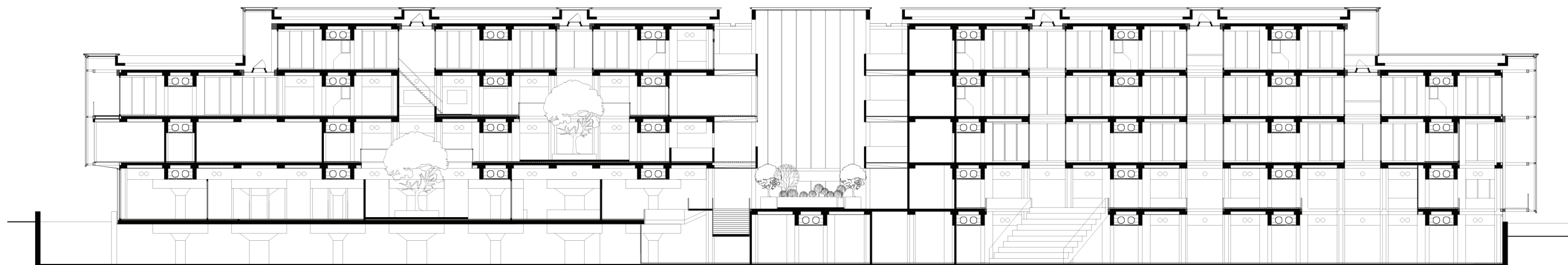




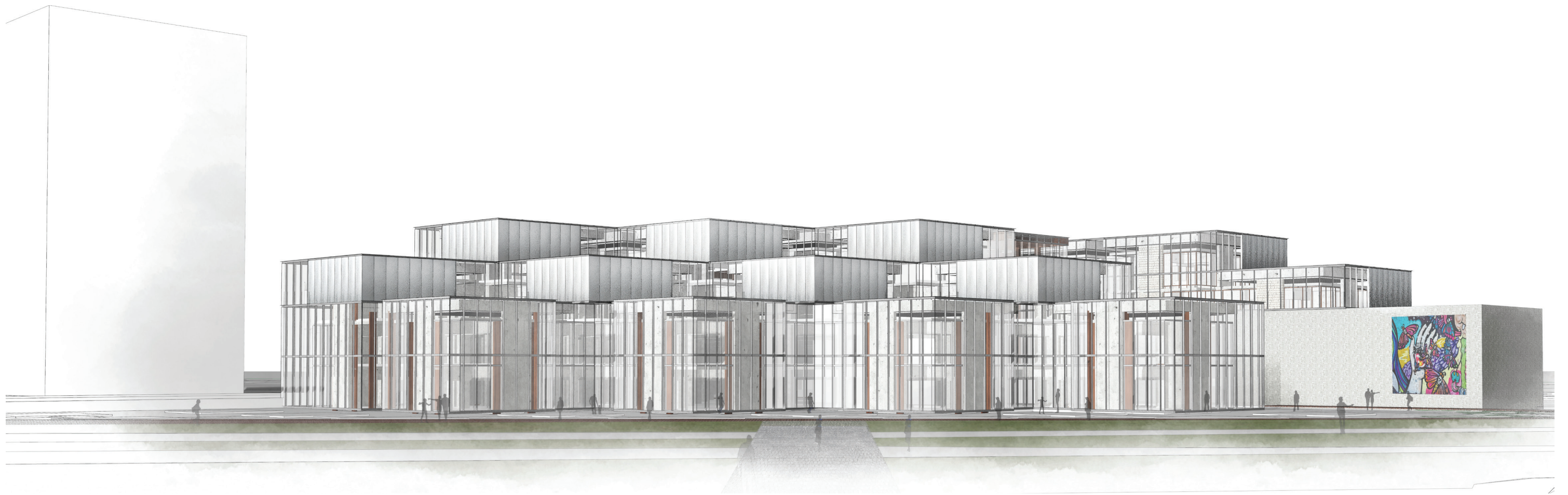




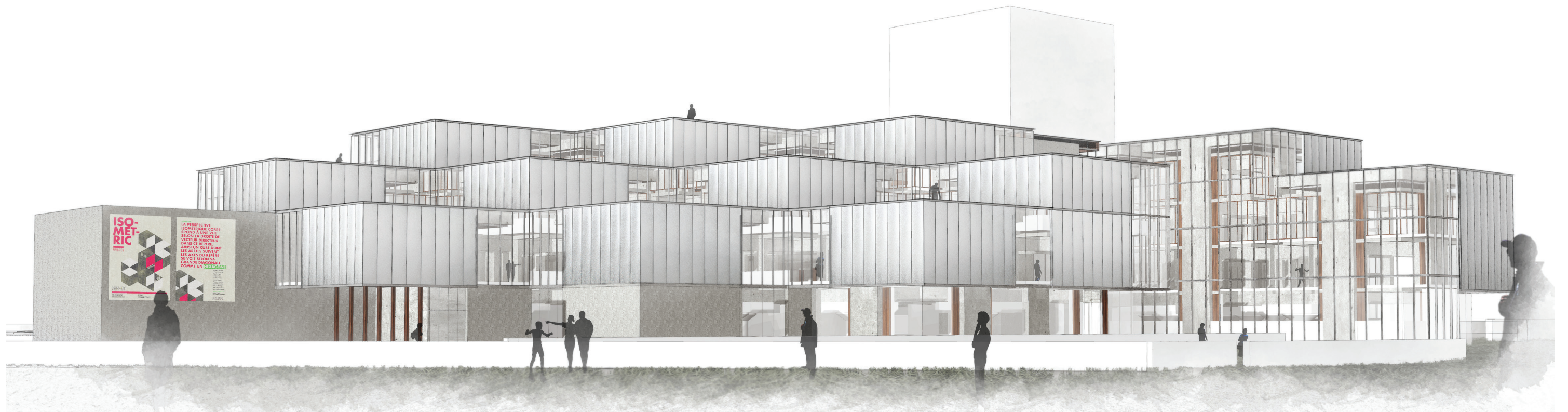
X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14 X15 X16 X17 X18 X19 X20 X21

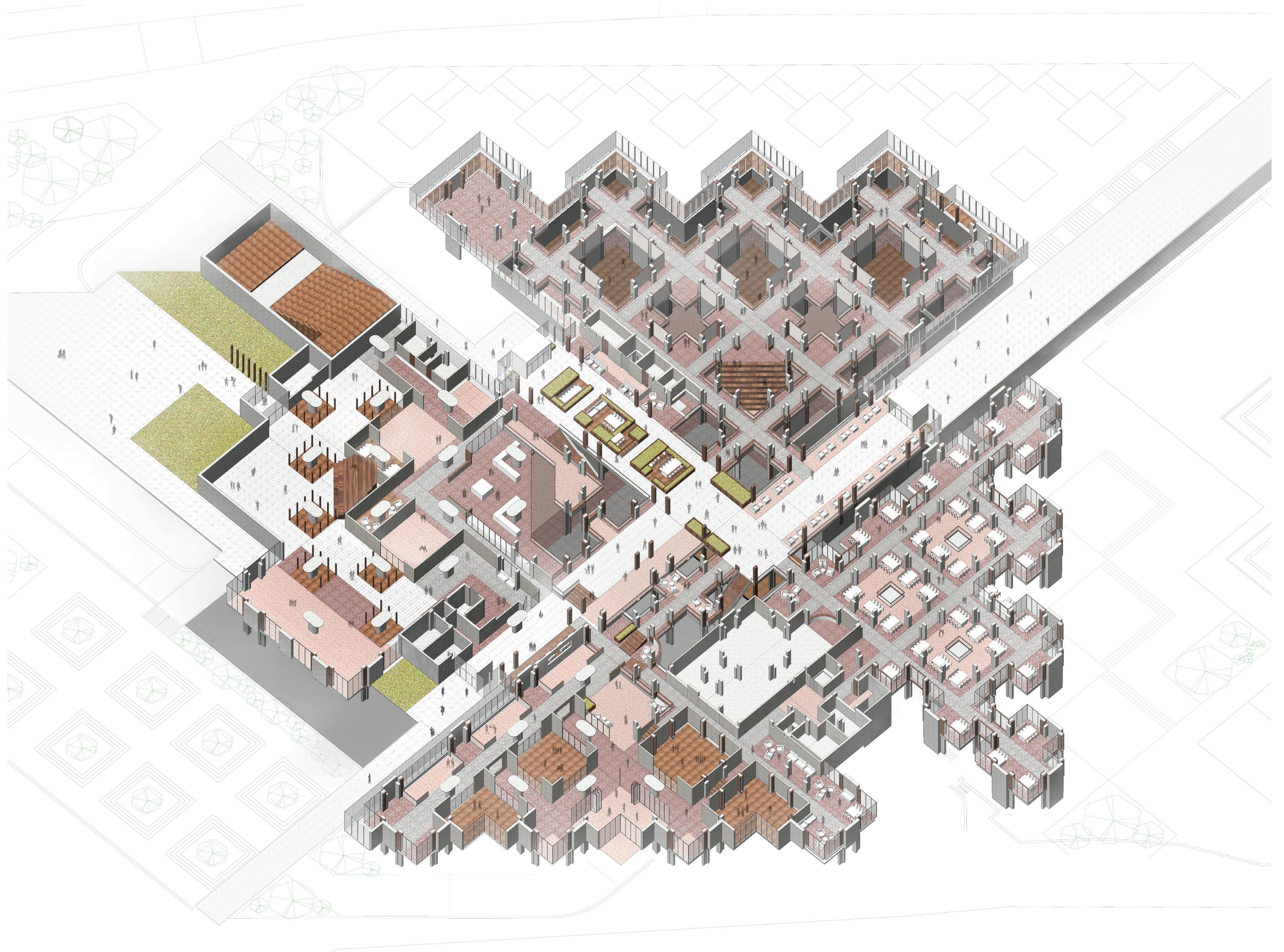




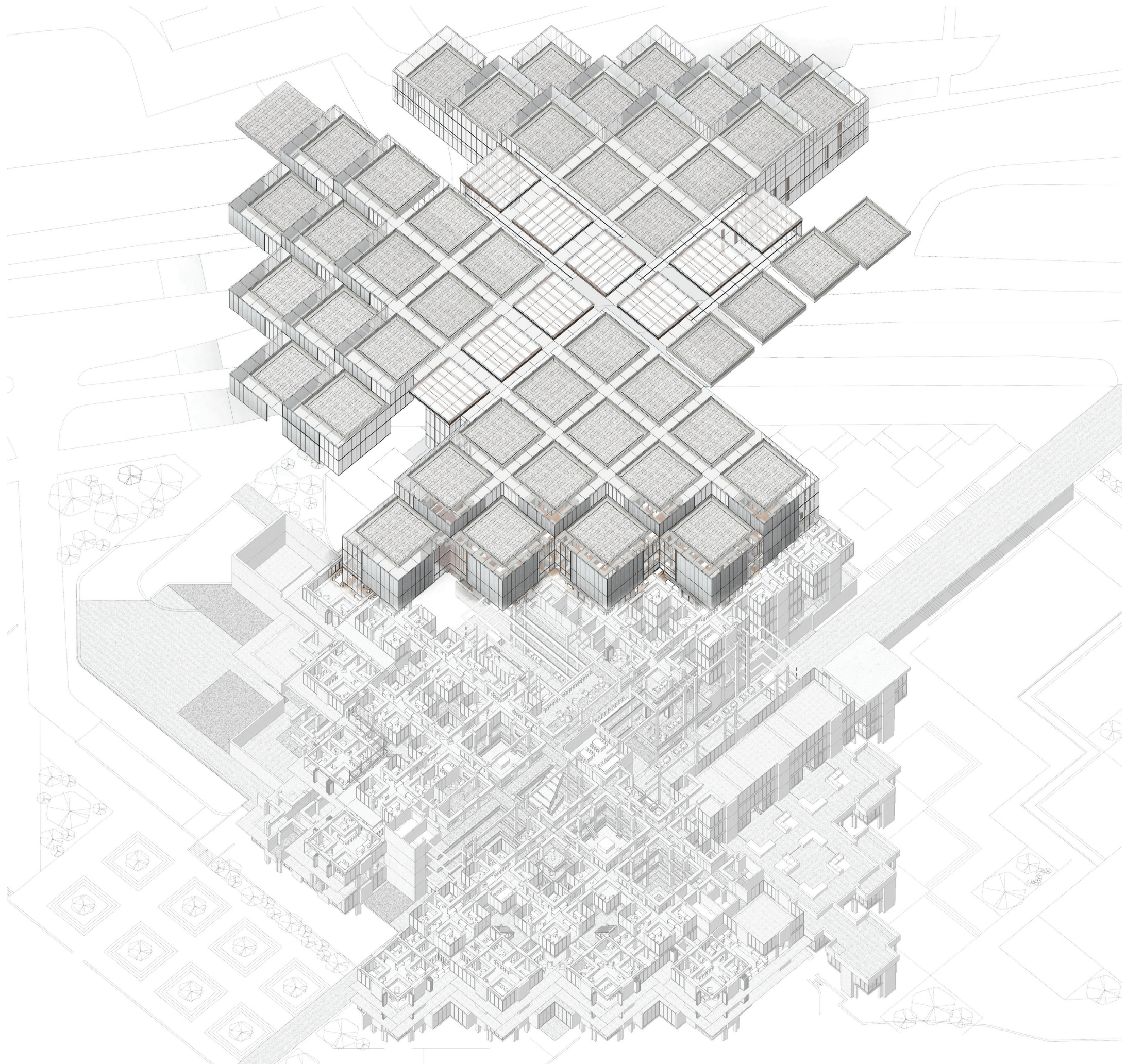


North (above)
West (below)





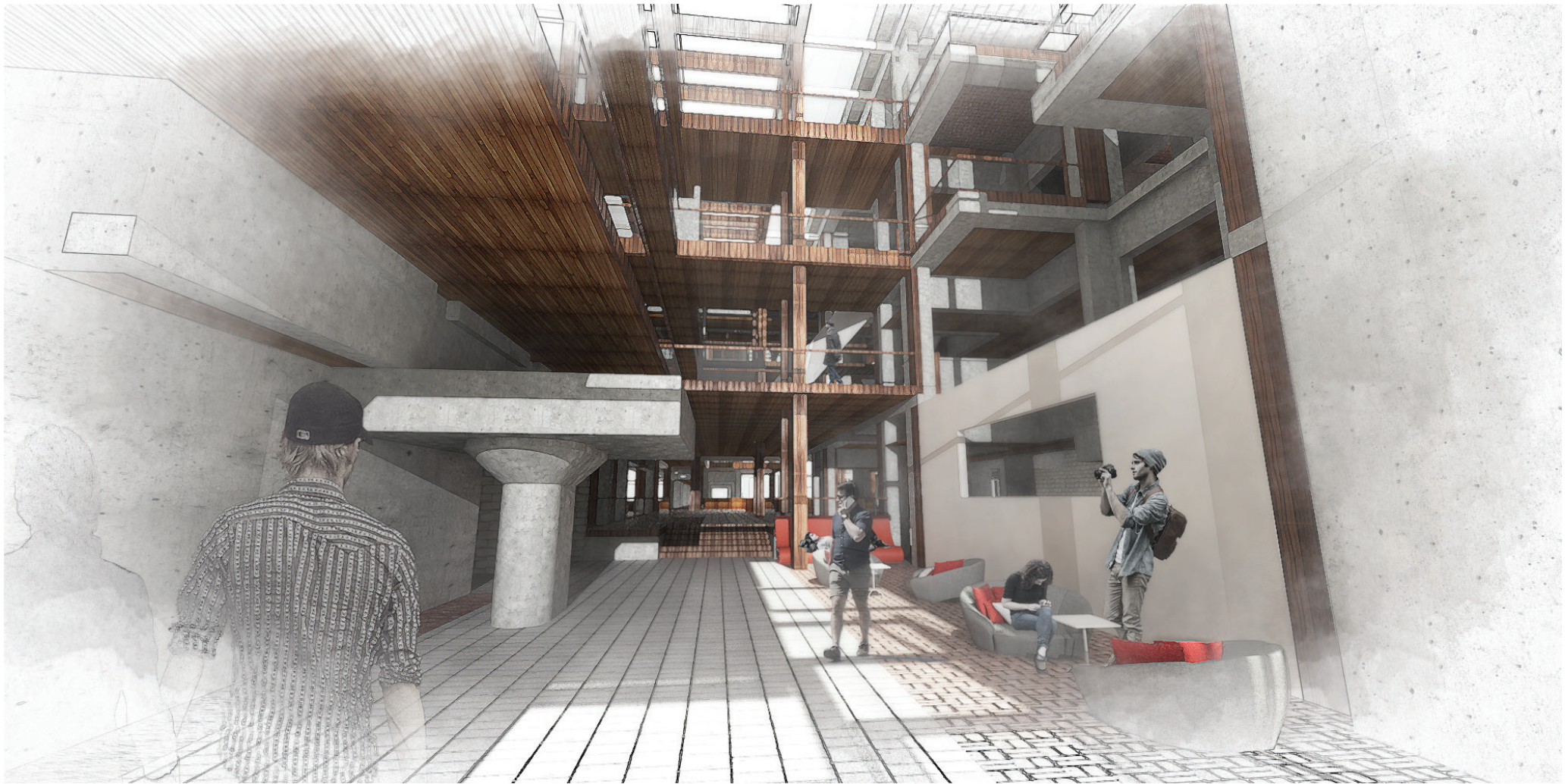




perspectives

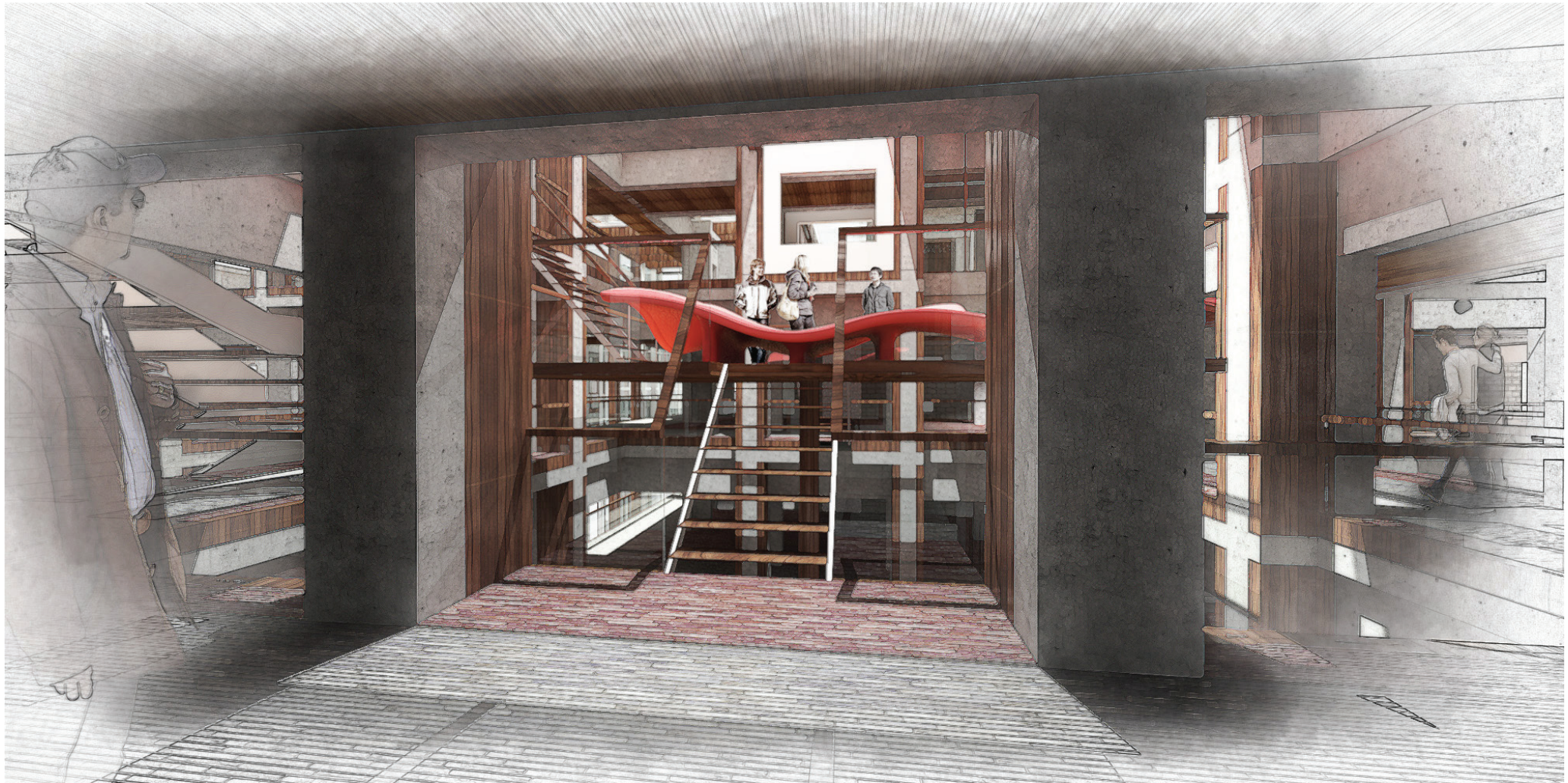








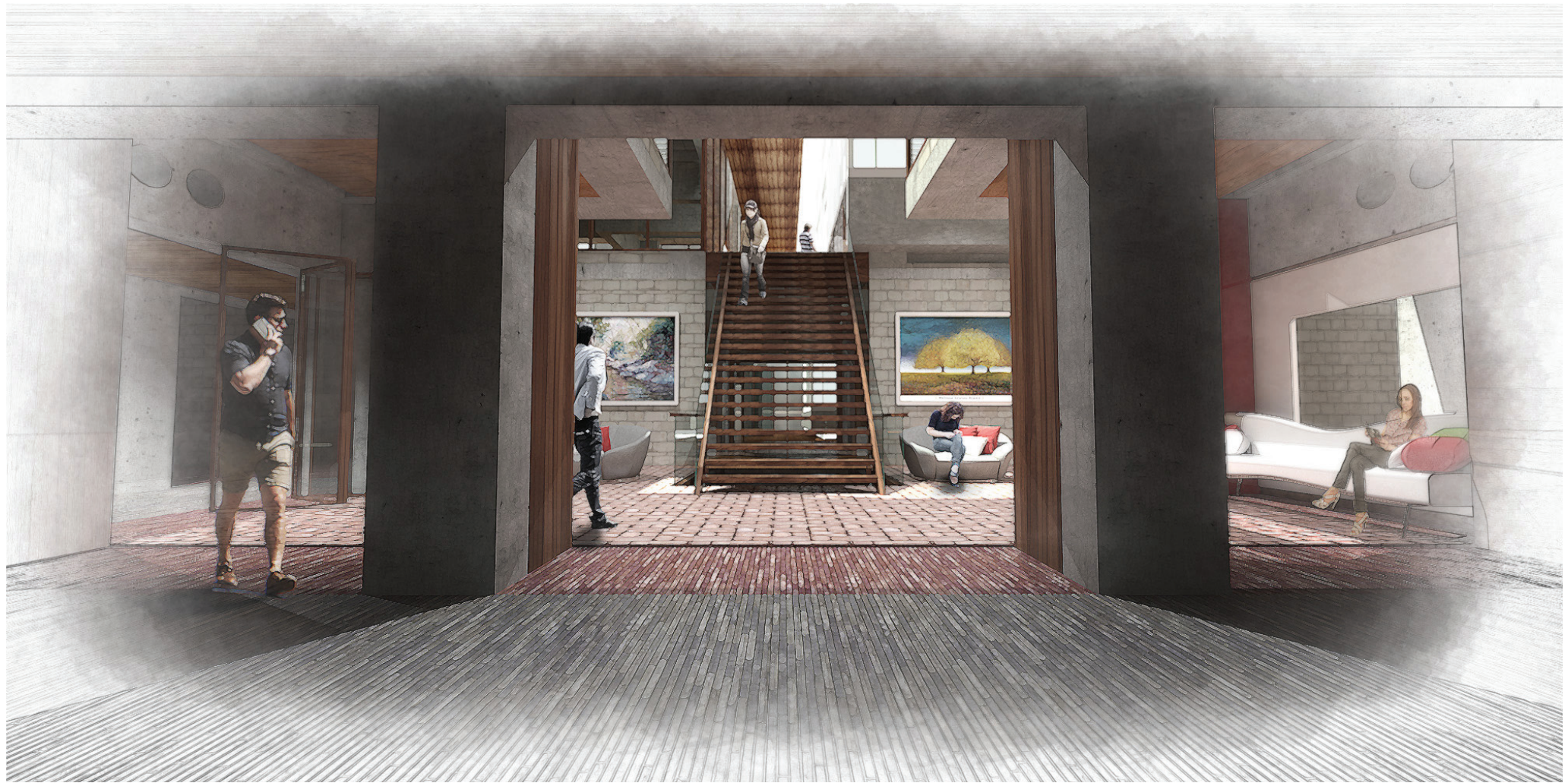


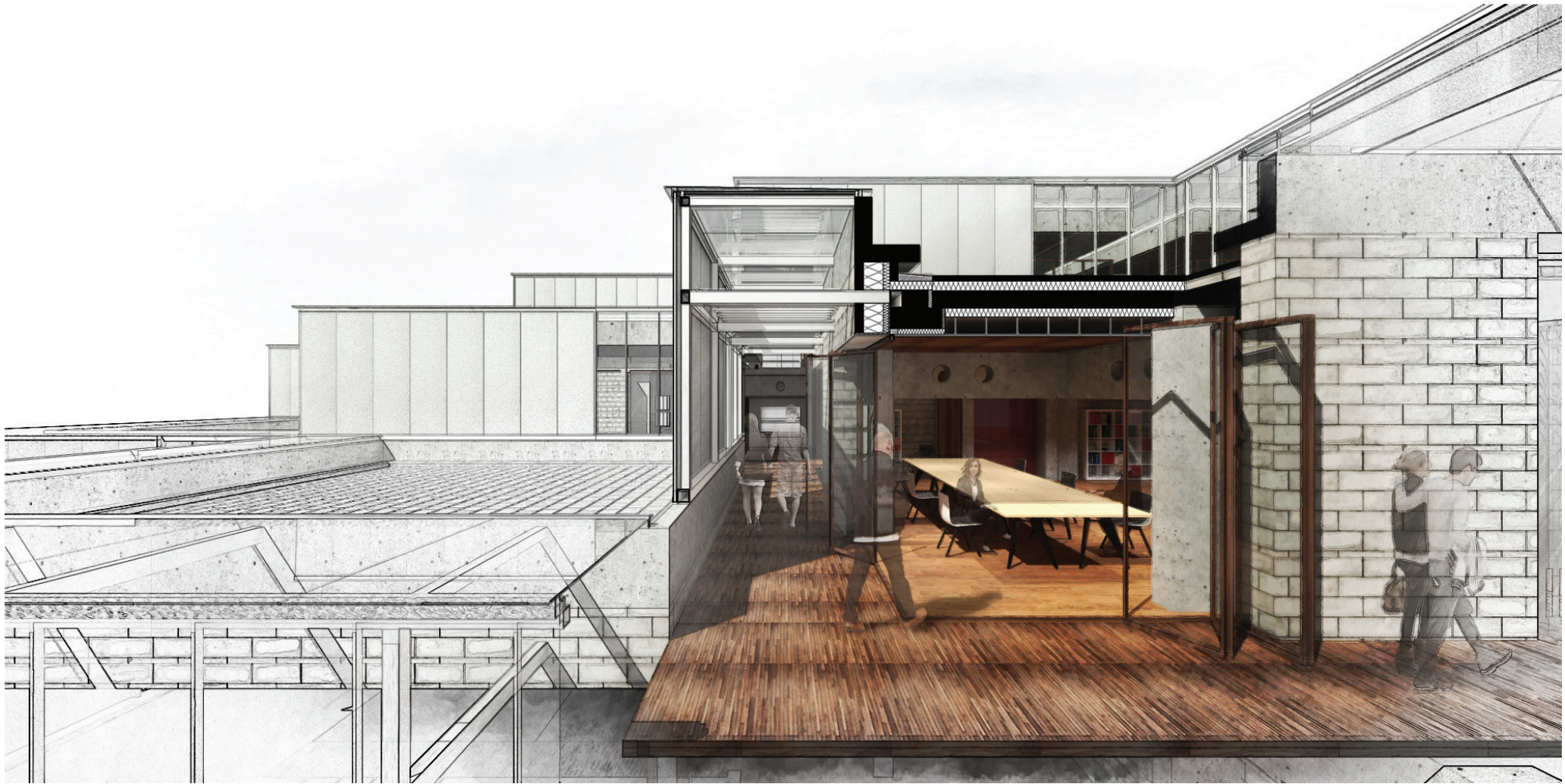






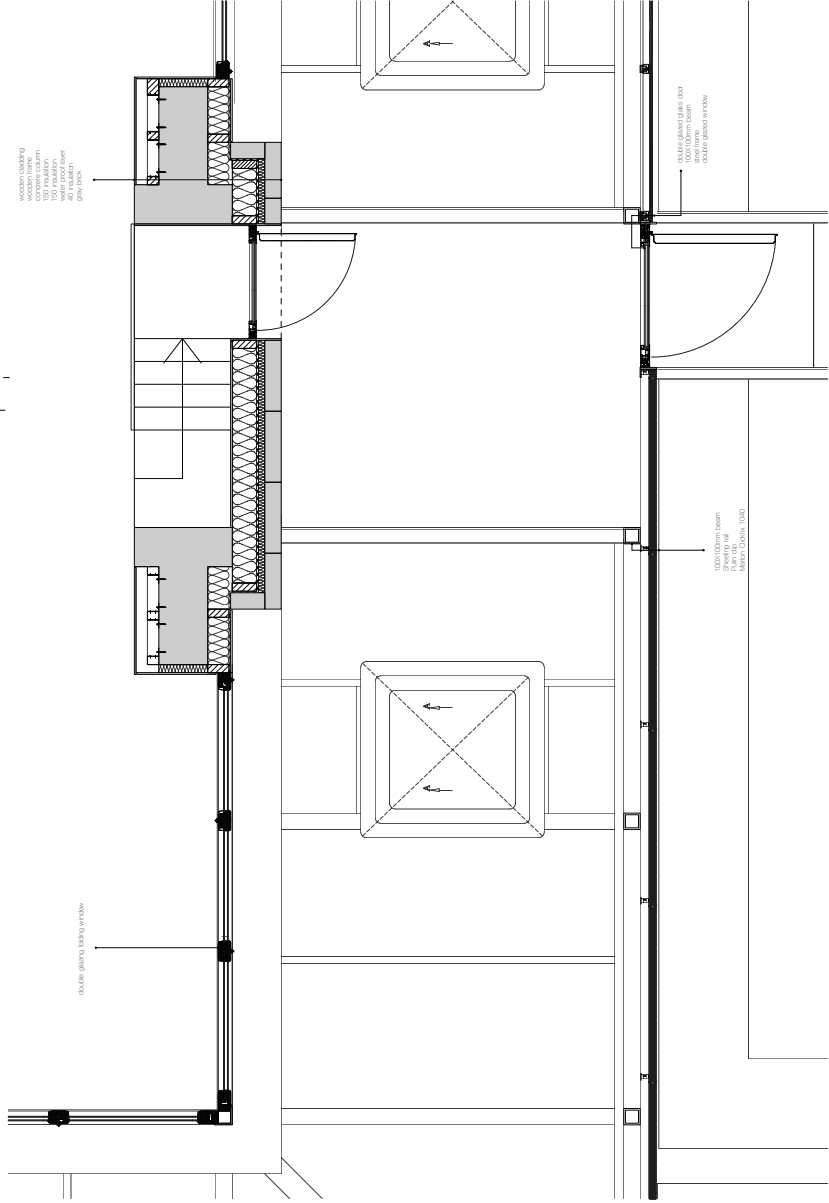


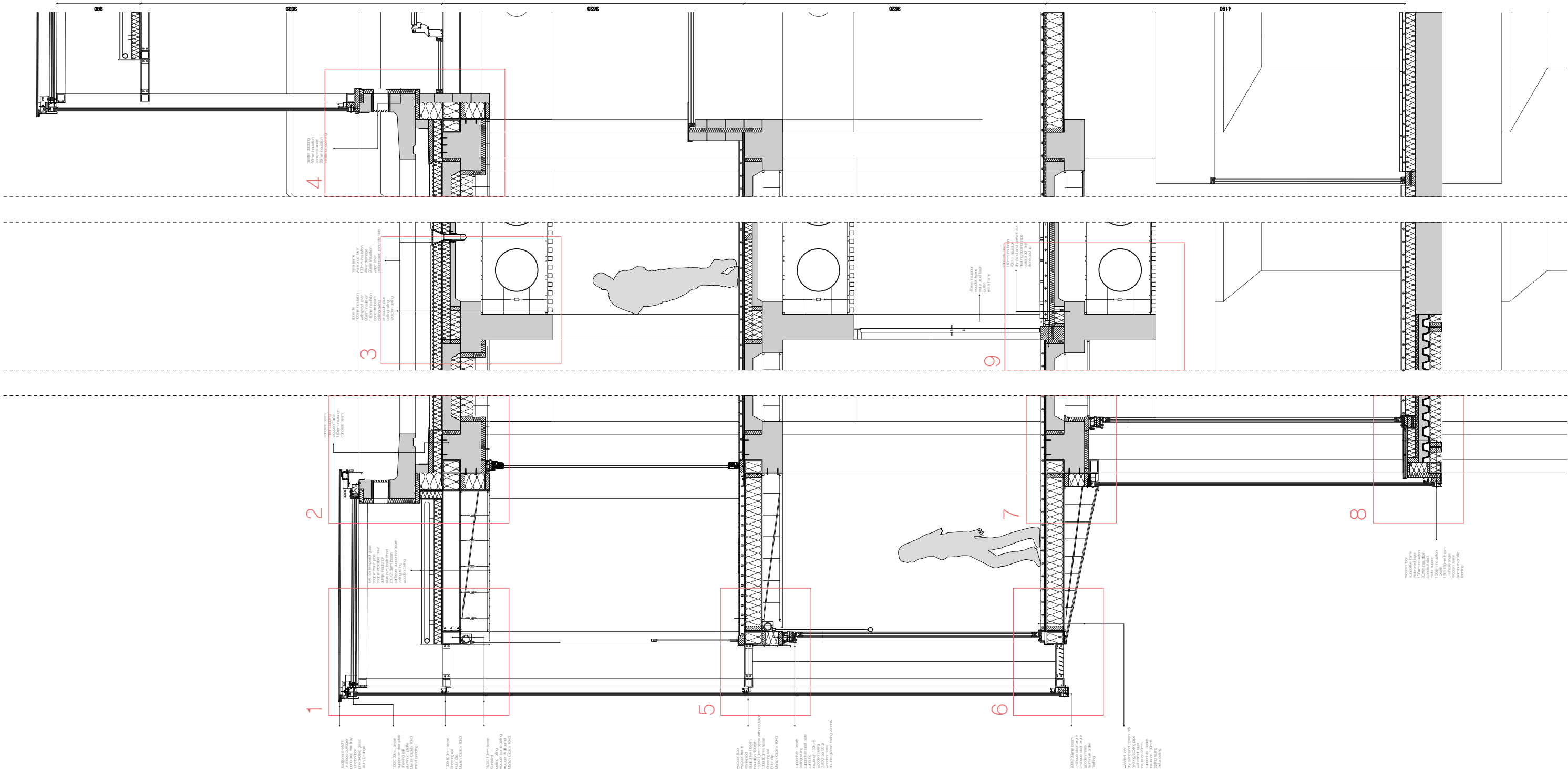


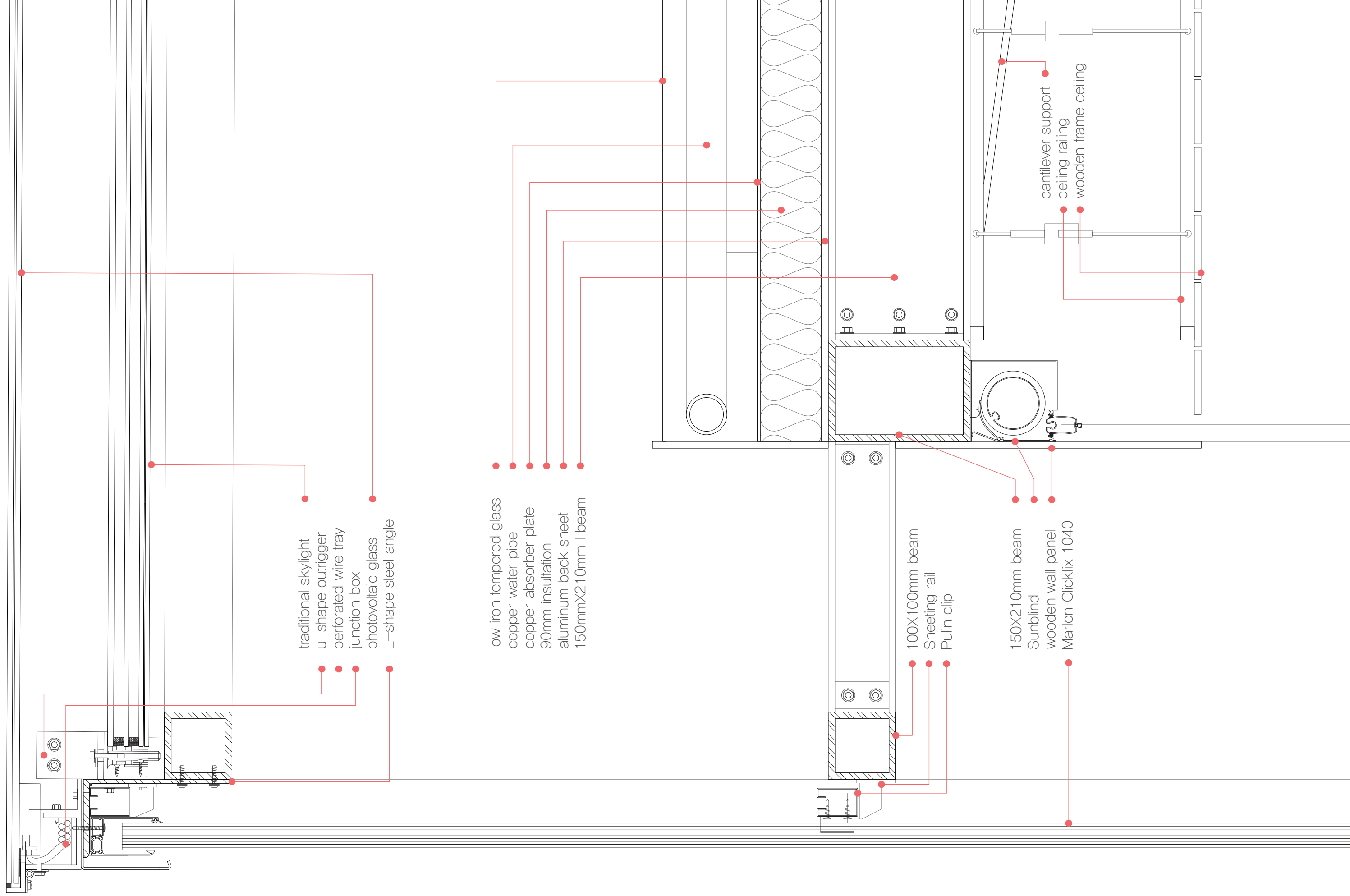


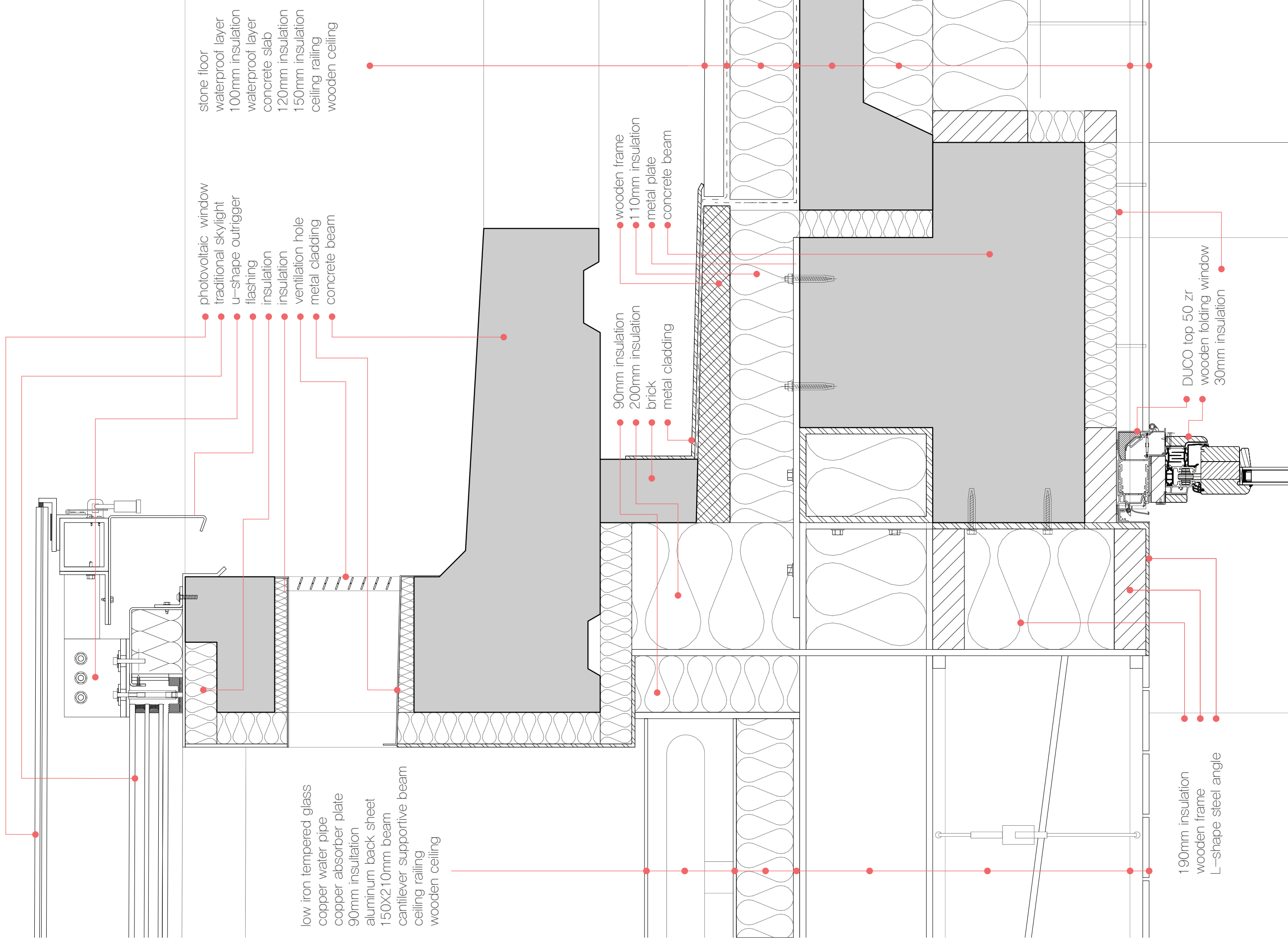


Detail





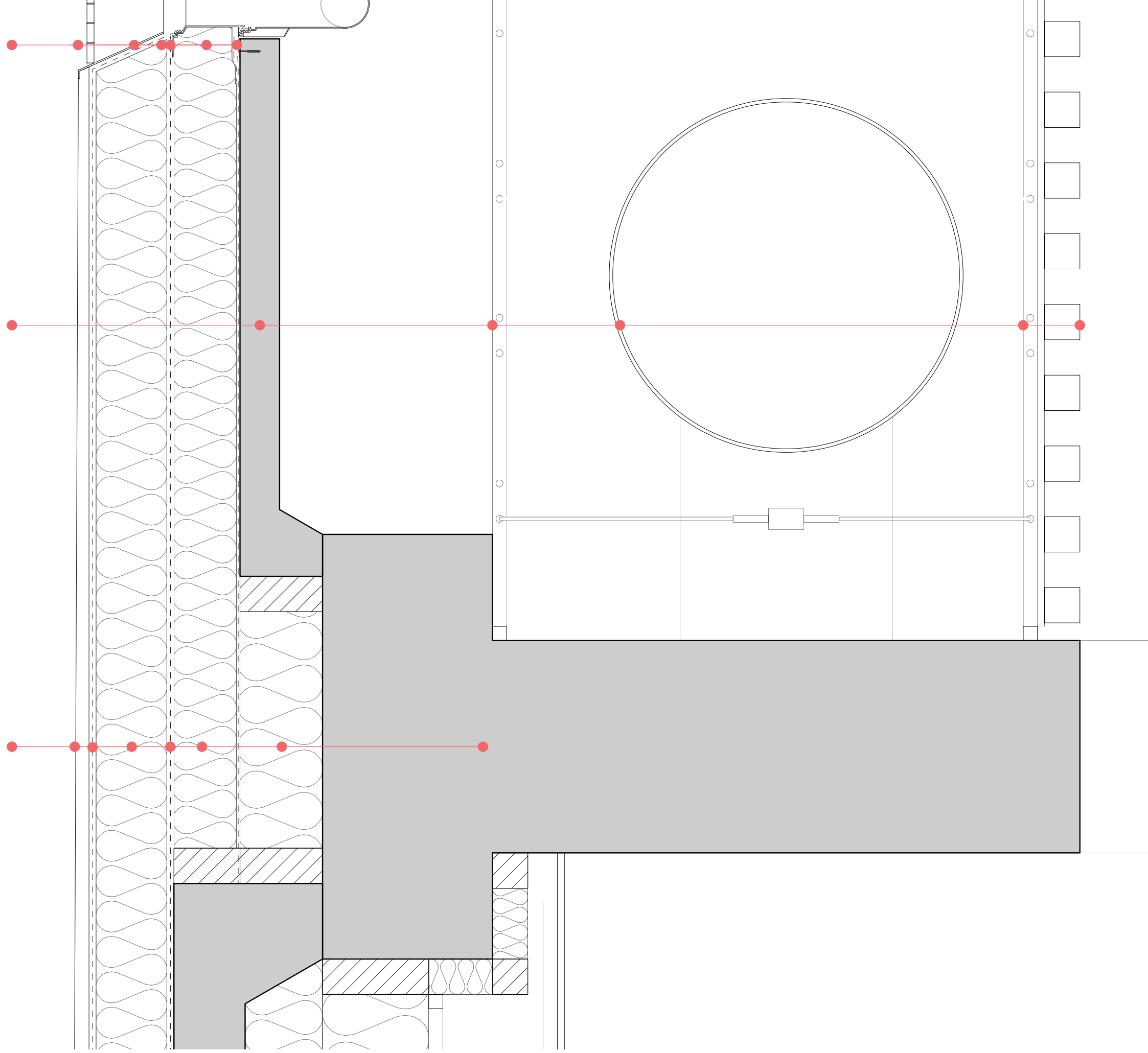


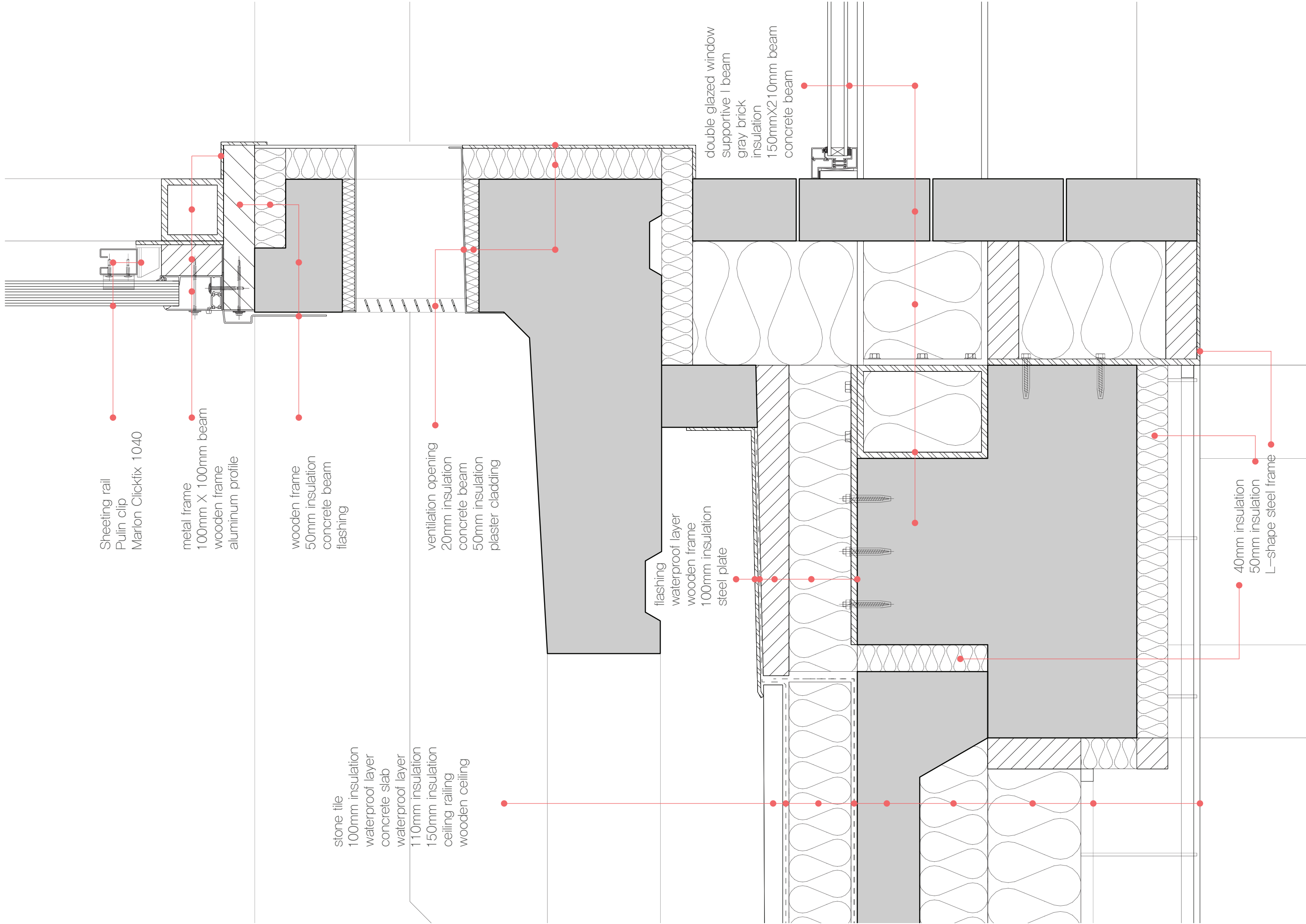


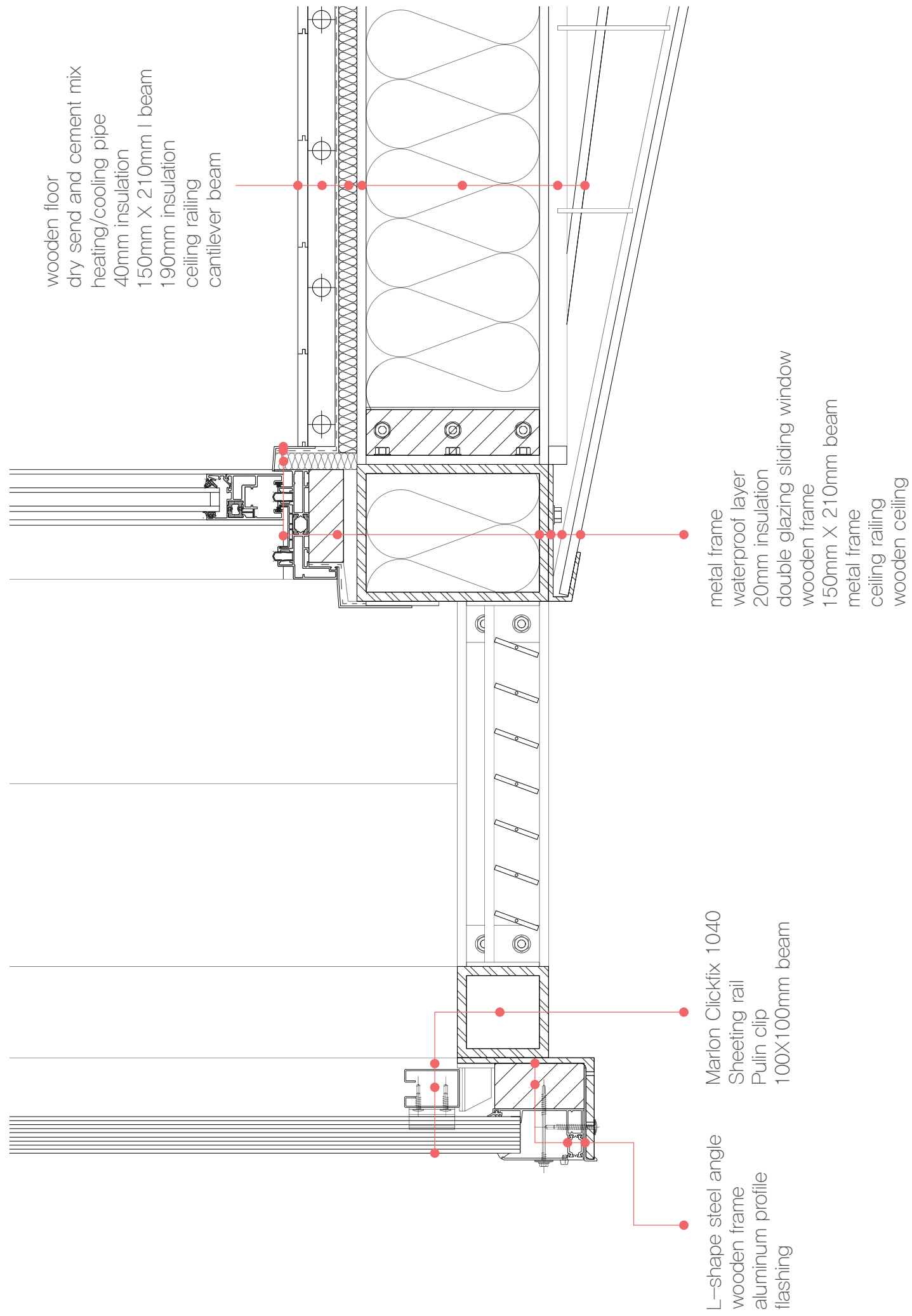
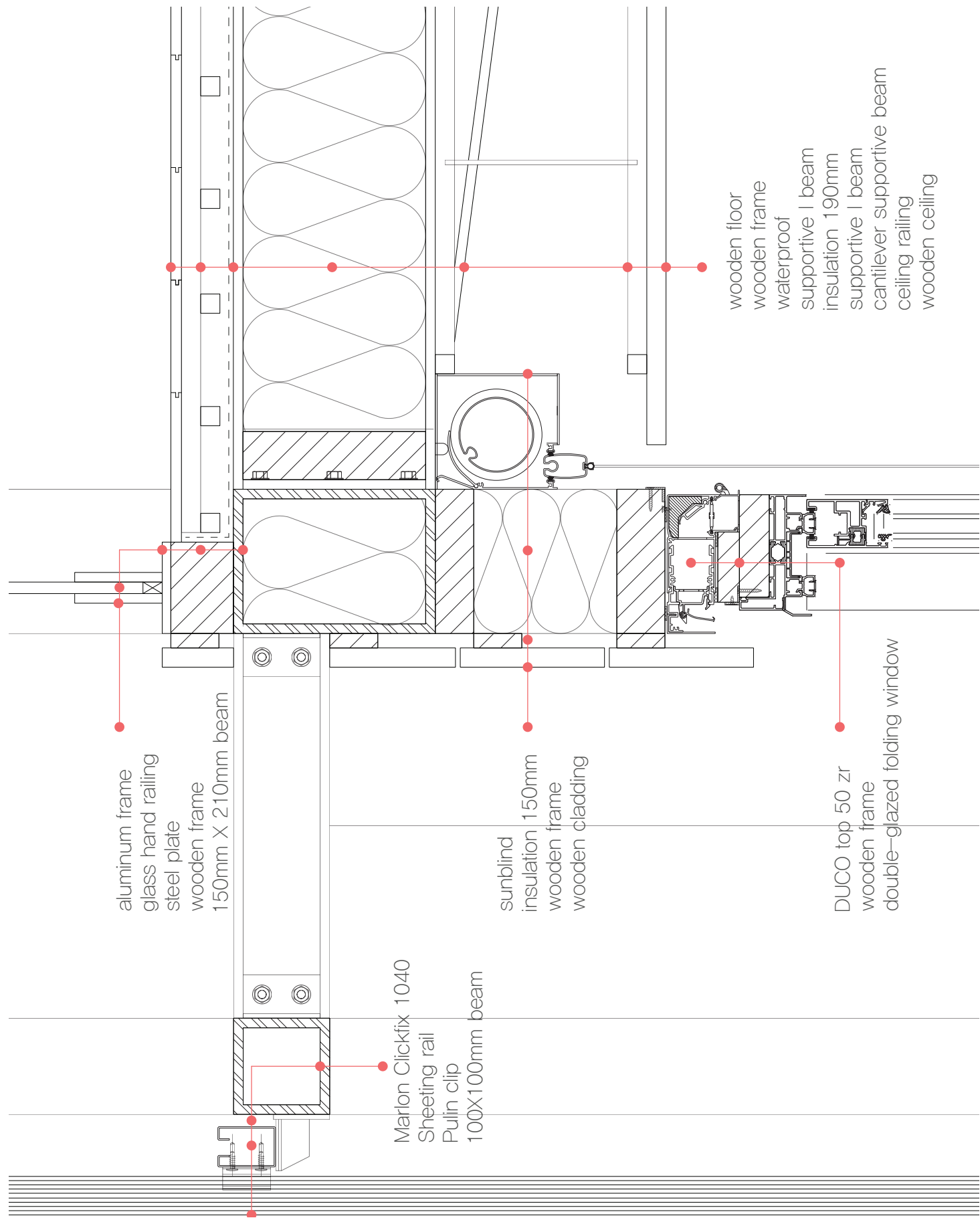
stone tile
100mm insulation
waterproof layer
90mm insulation
110mm insulation
concrete beam

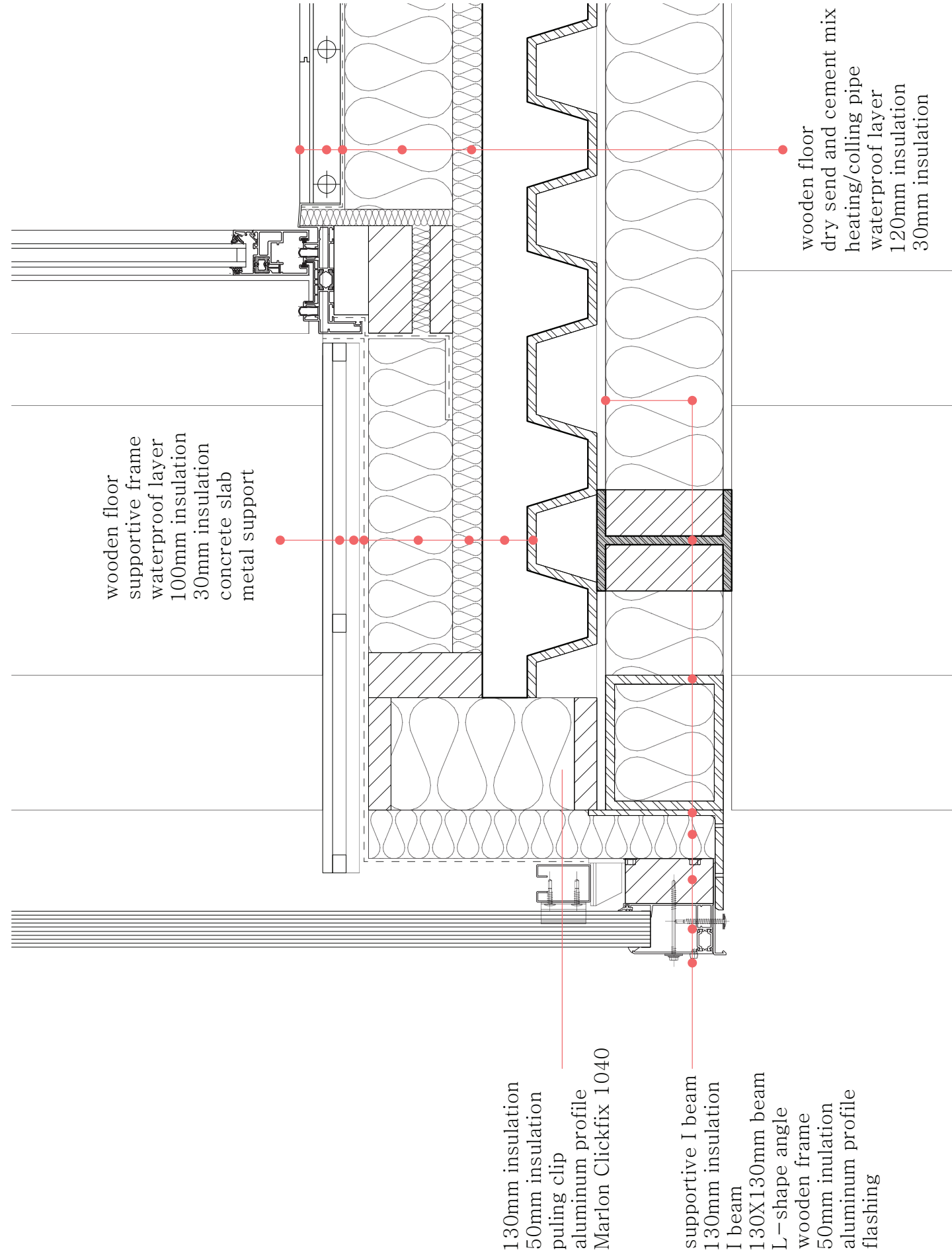
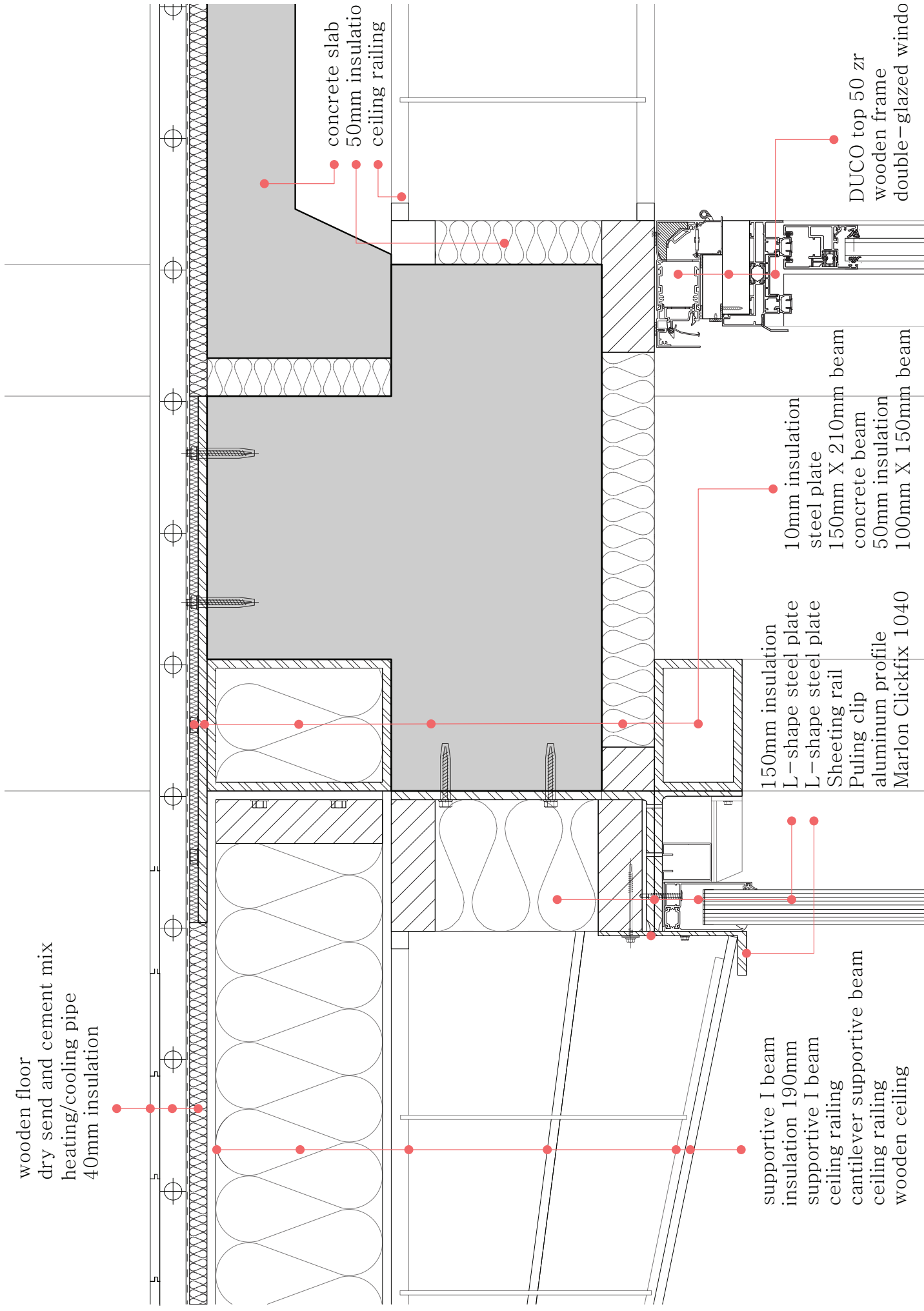
concrete slab
ceiling railing
air supply pipe
ceiling railing
wooden ceiling

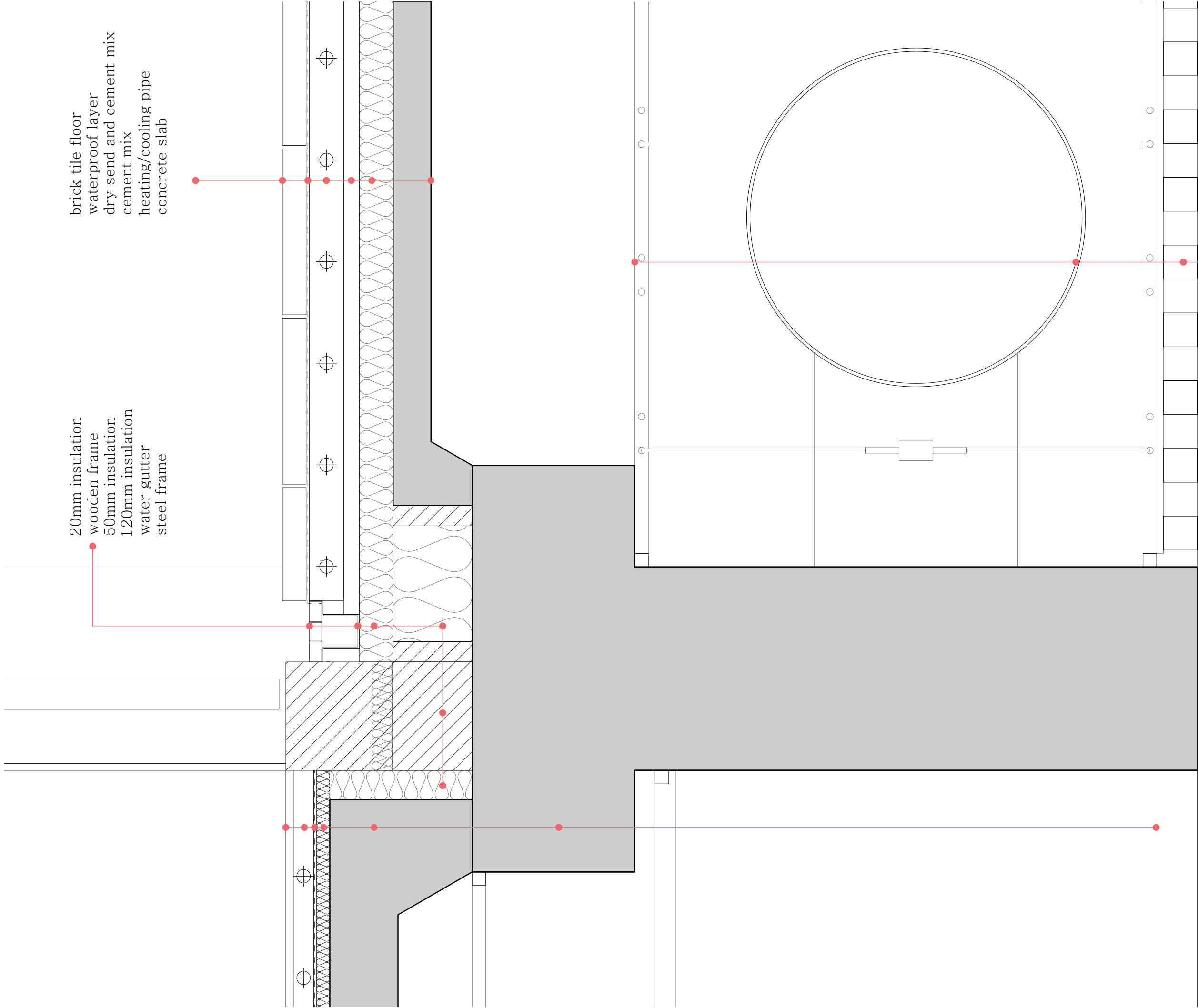
metal frame
waterproof layer
100mm insulation
water drainage
90mm insulation
vapor layer











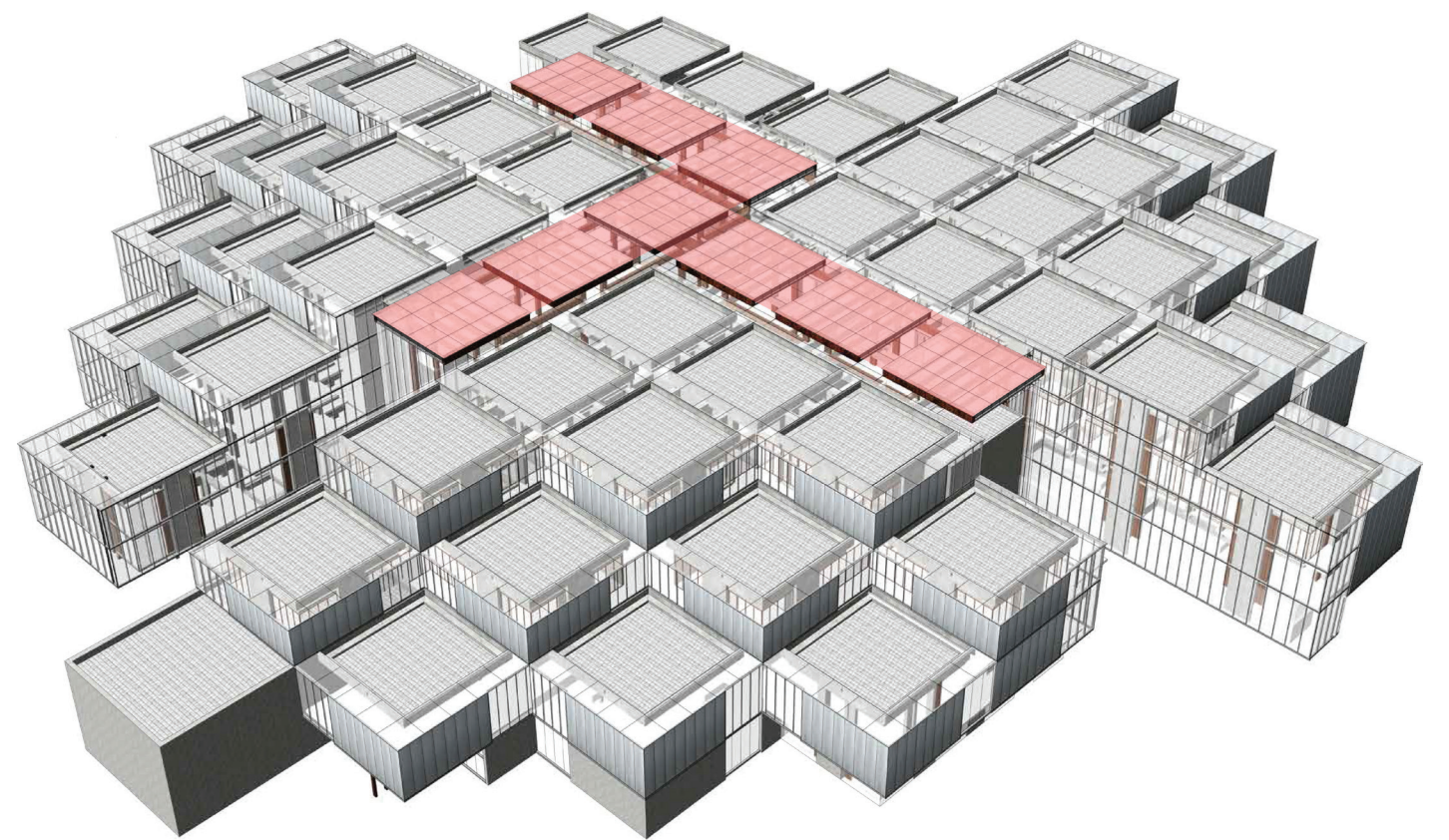
brick tile floor
waterproof layer
dry sand and cement mix
cement mix
heating/cooling pipe
concrete slab

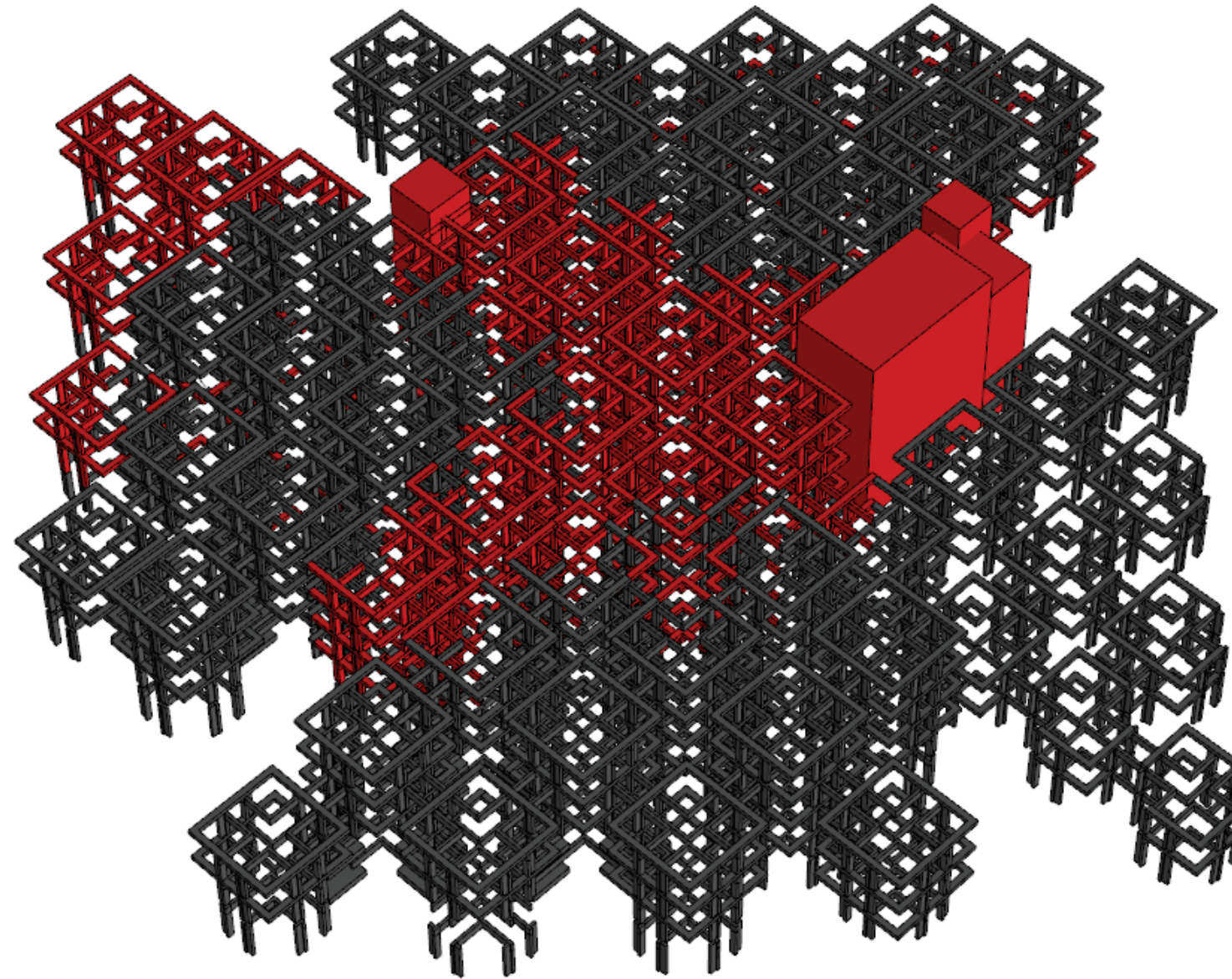
20mm insulation
wooden frame
50mm insulation
120mm insulation
water gutter
steel frame

wooden floor
dry sand and cement mix
heating/cooling pipe
40mm insulation
concrete slab
concrete beam

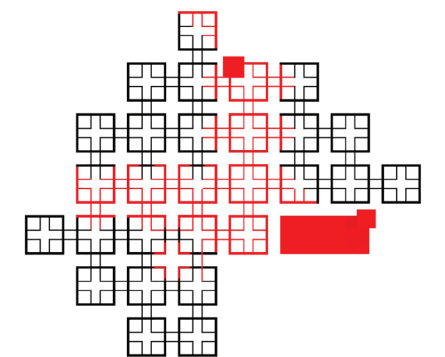
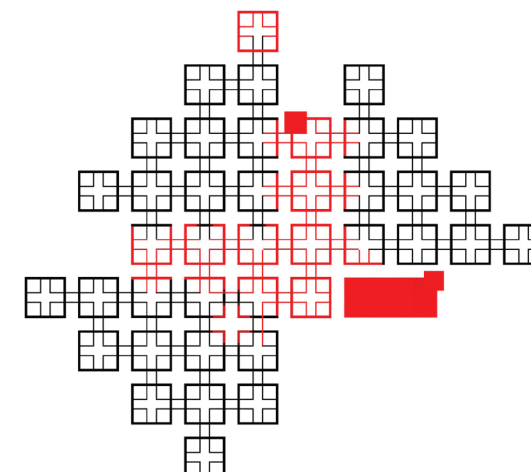
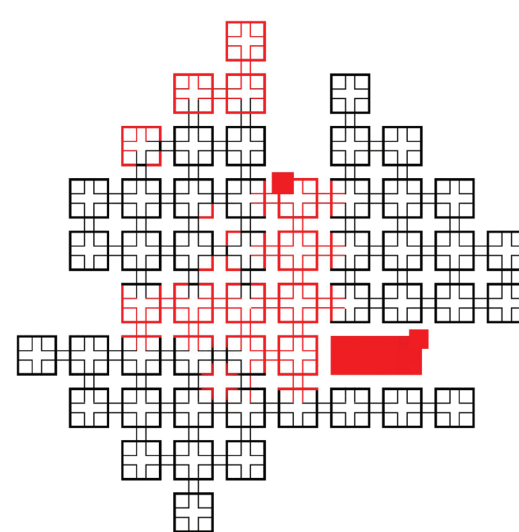
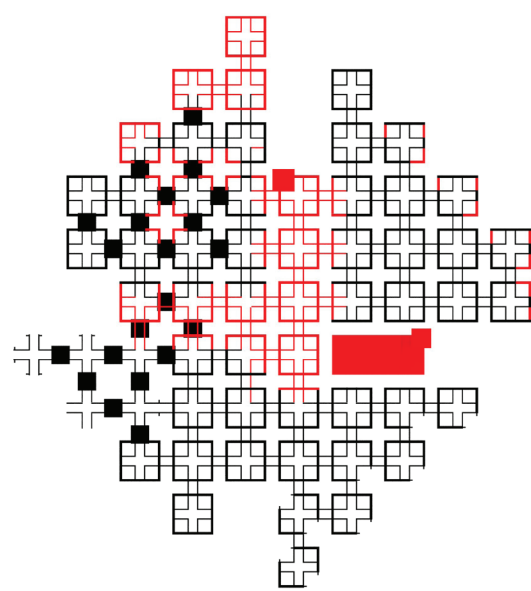
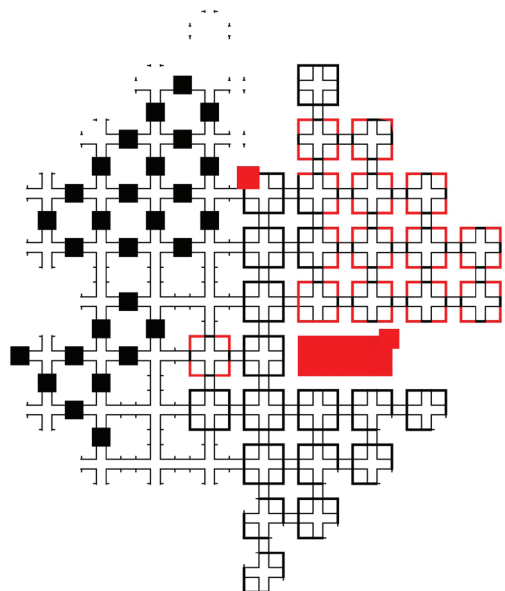
ceiling railing
air supply pipe
wooden ceiling

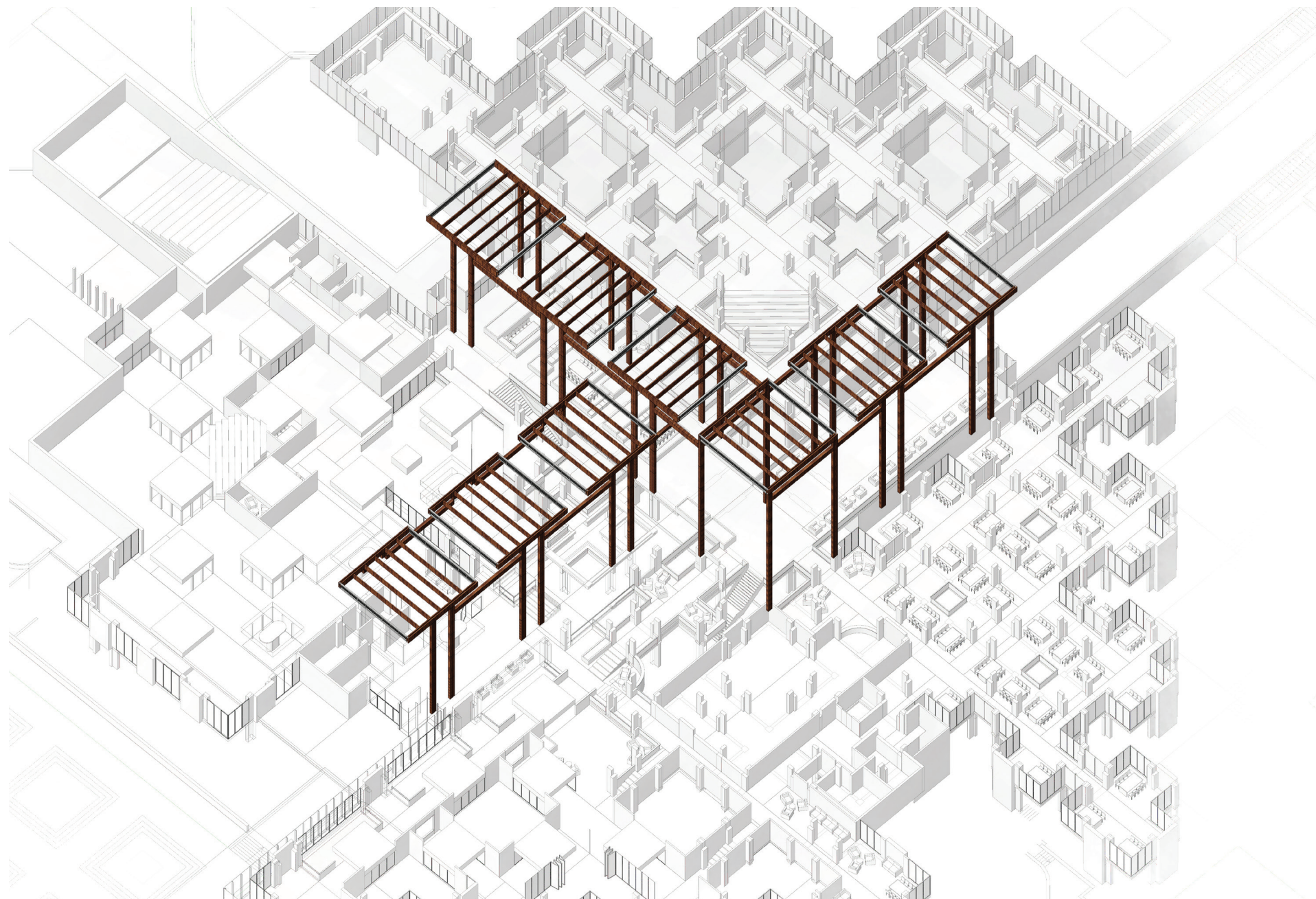
Construction



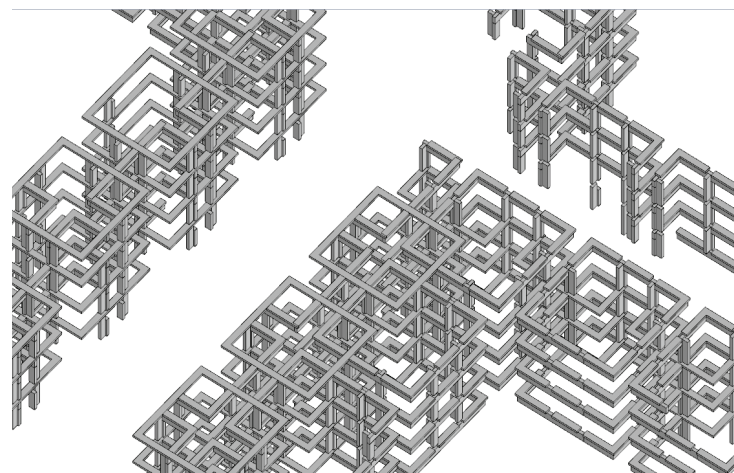


remove of existing structure

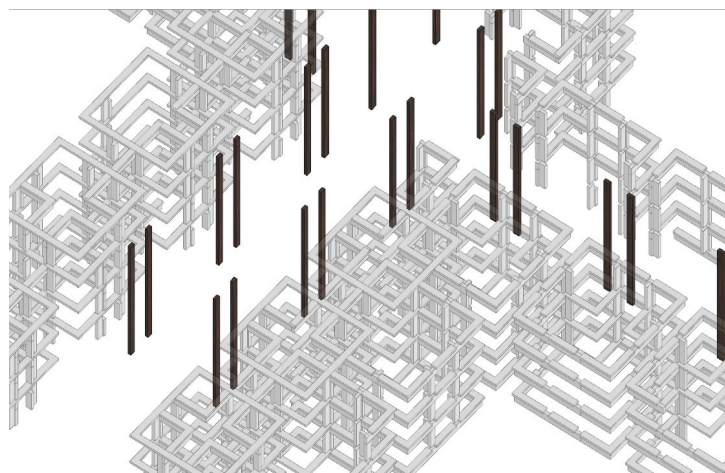




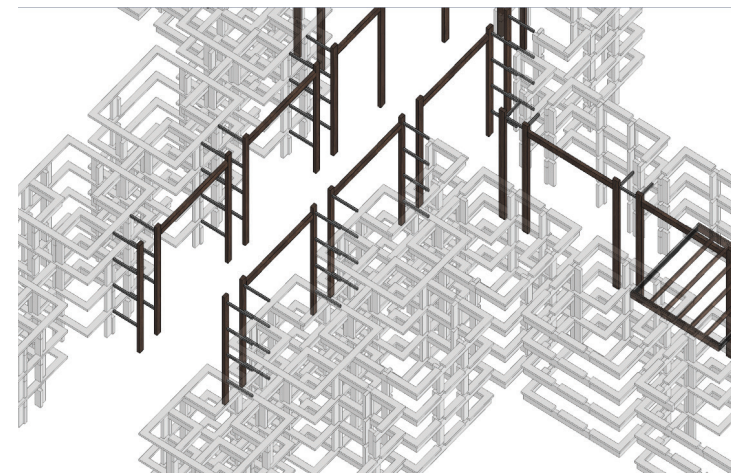
inserting the new construction



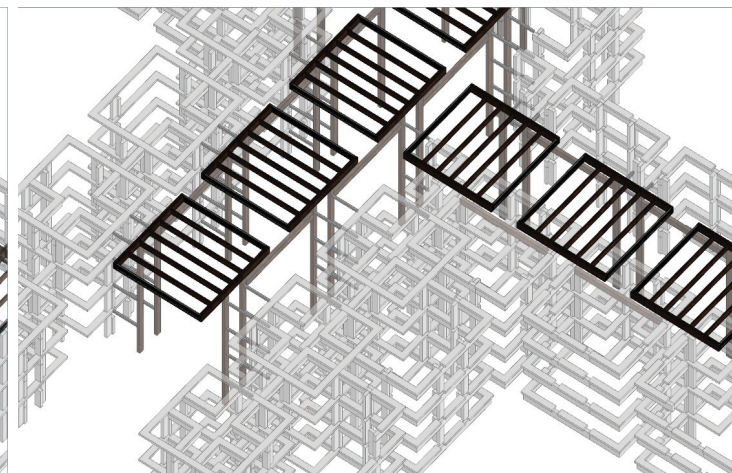
demolishing parts of existing structure



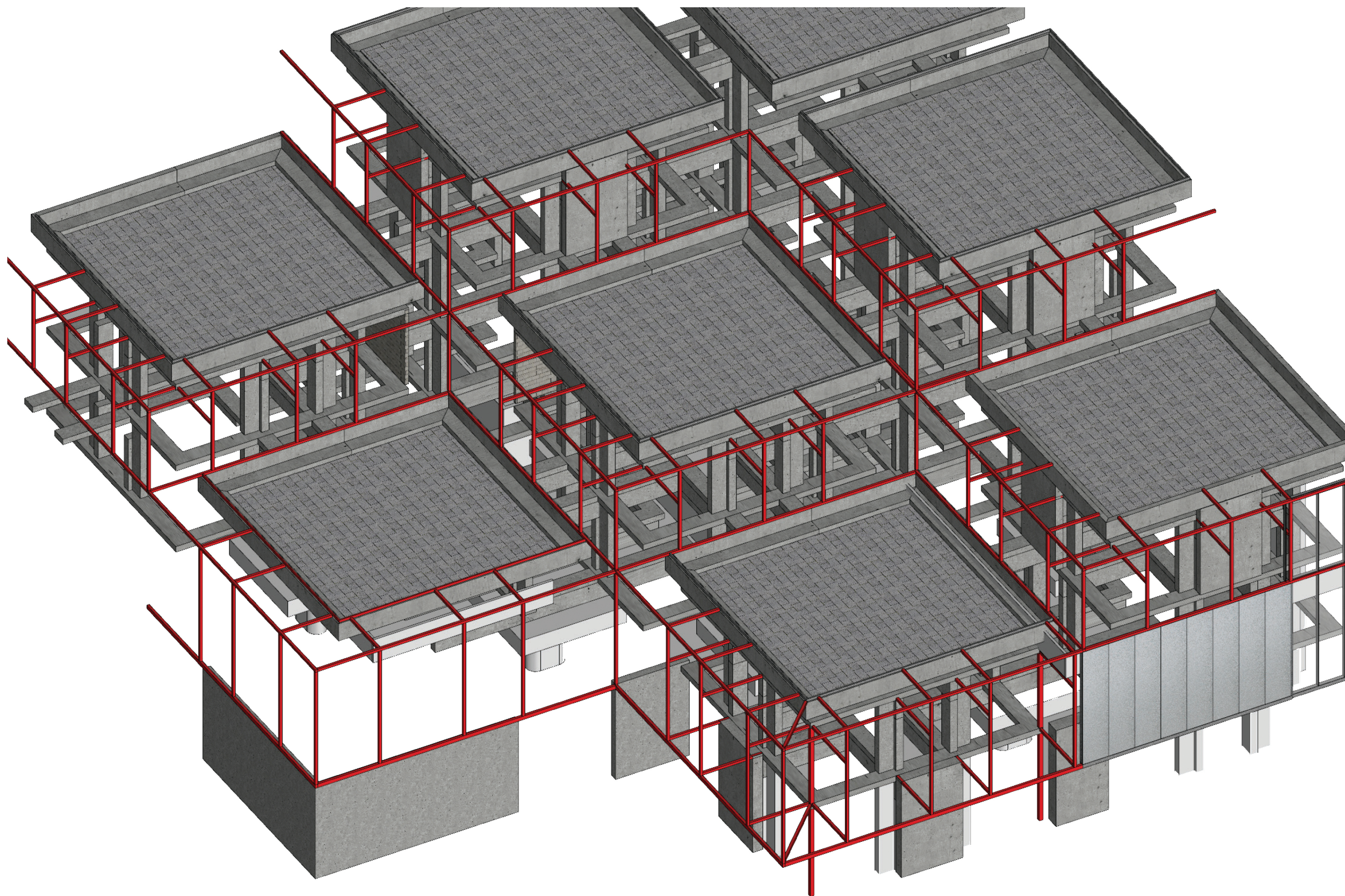
inserting new columns



connecting each of columns



placing new roof construction



double facade extended structure



double facade extended structure

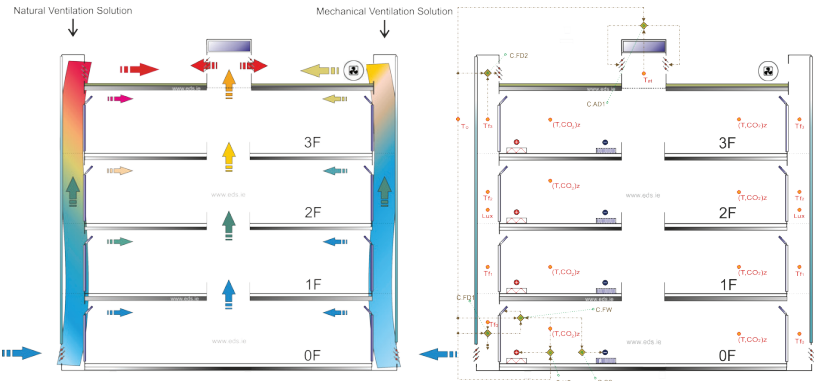
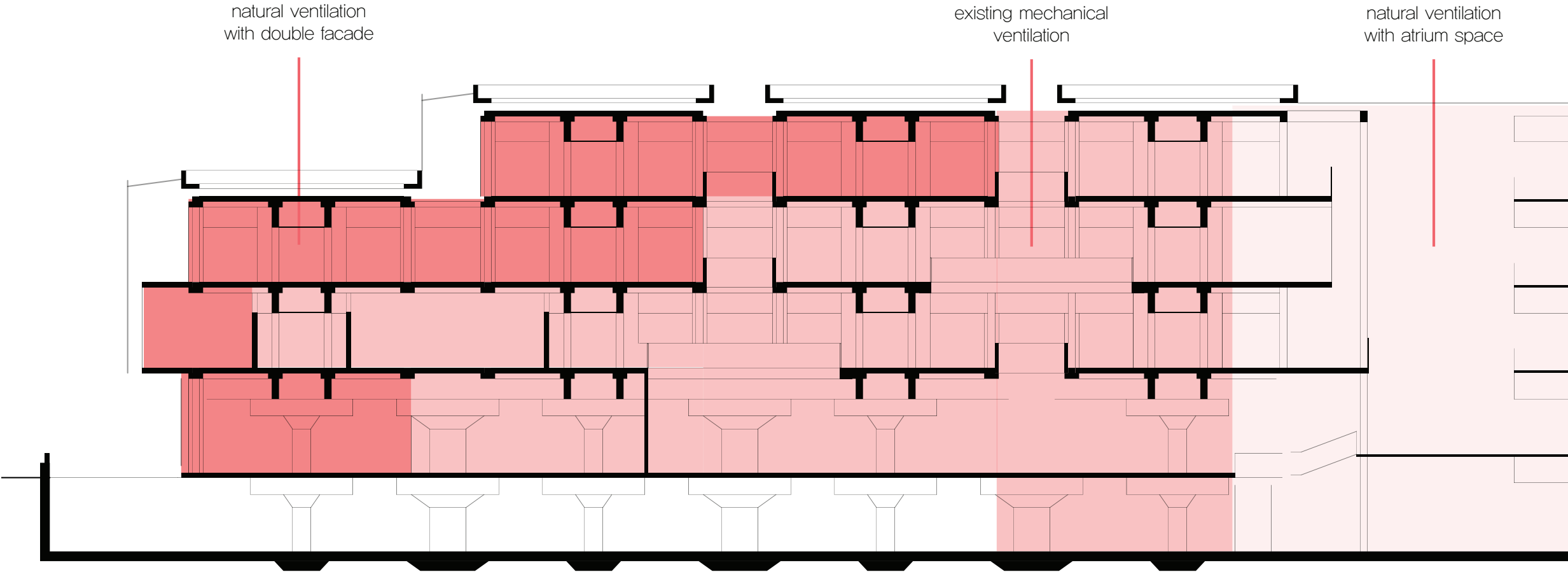
Service

climate control

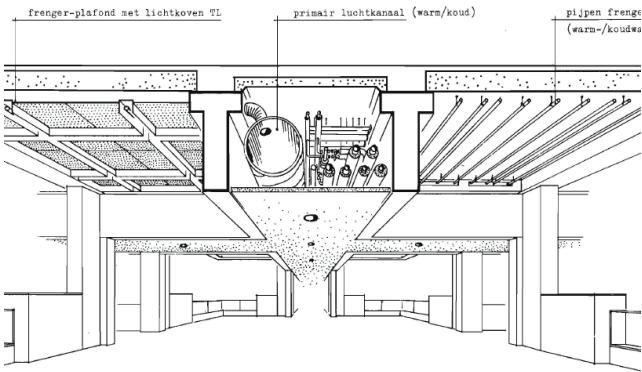
ventilation

light / heat control

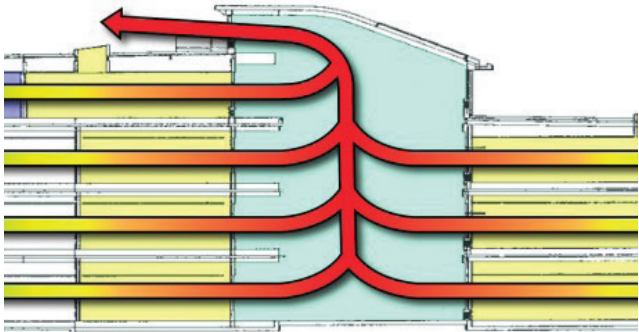
climate zoning plan



double facade

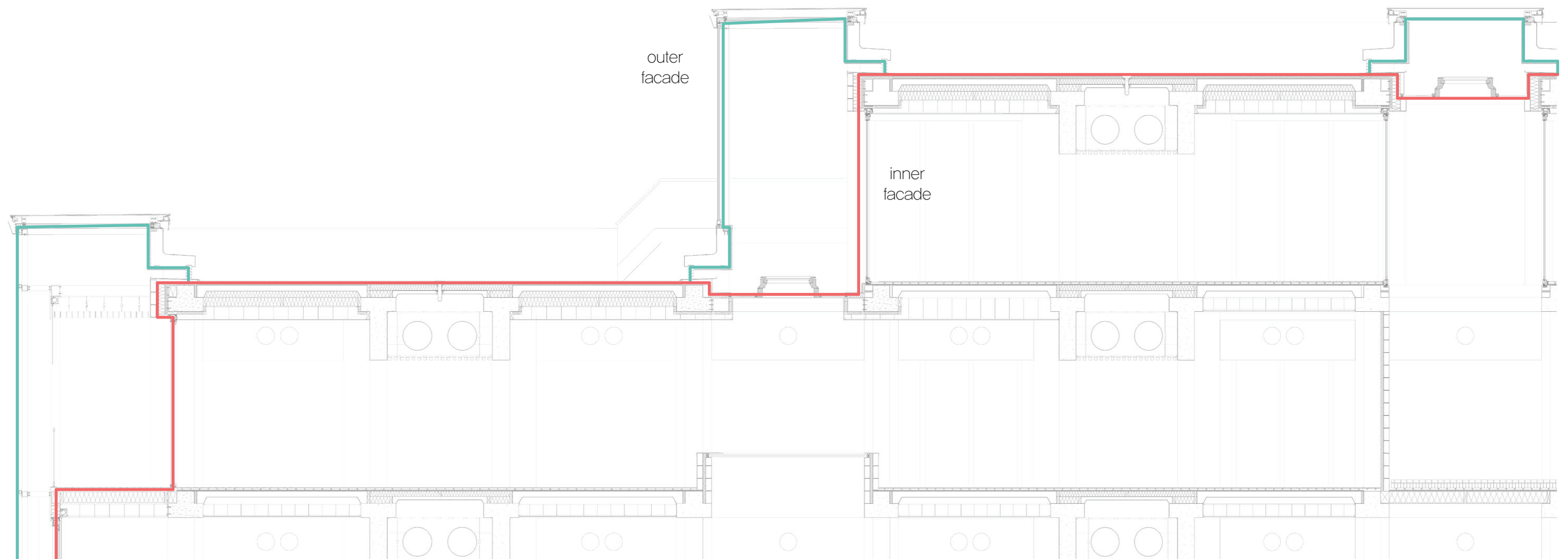


existing mechanical ventilation

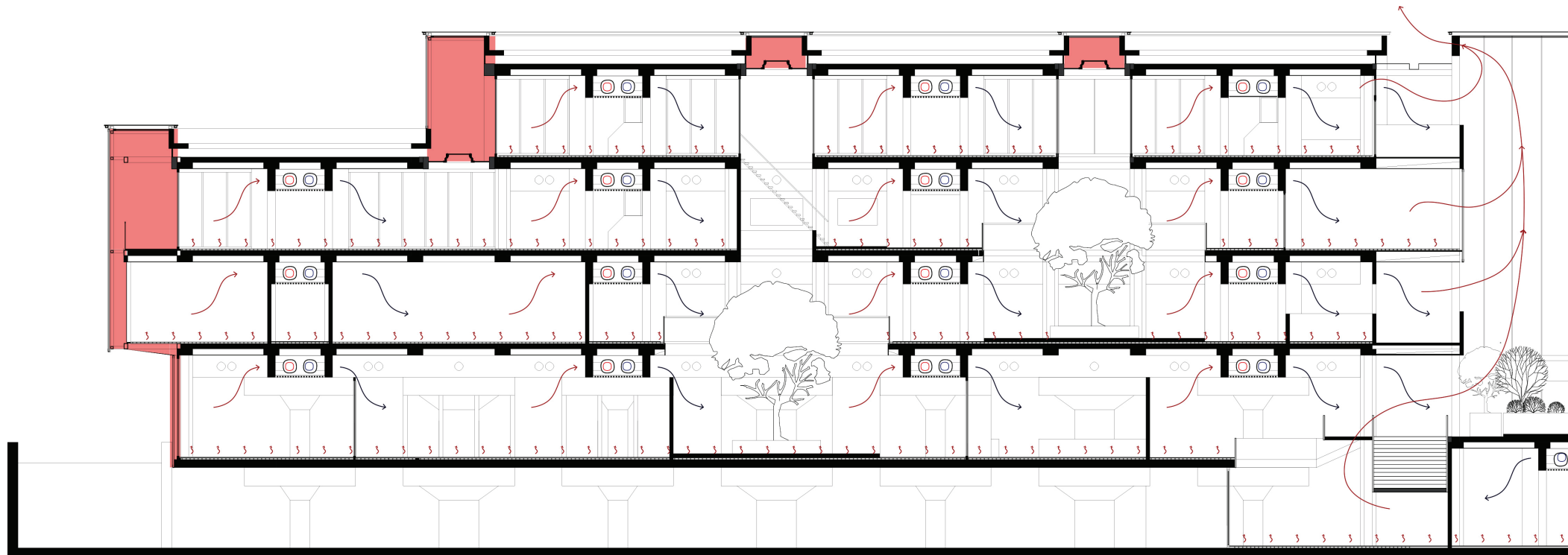


atrium

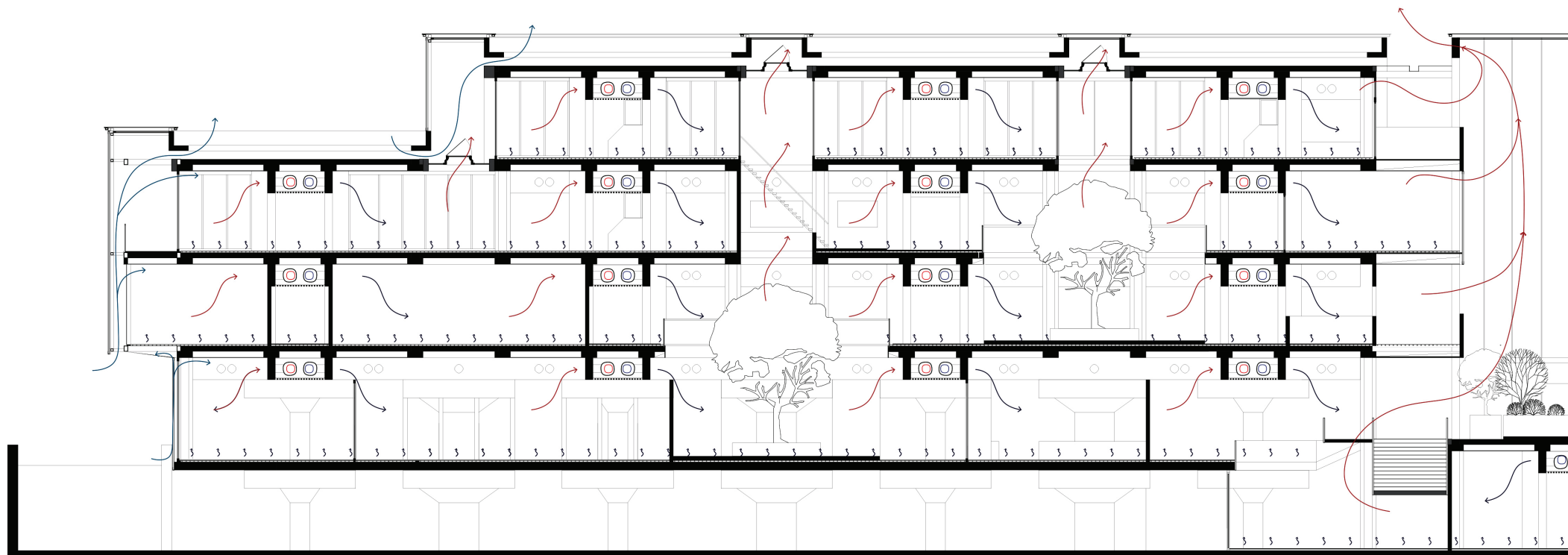
insulation line



ventilation scheme

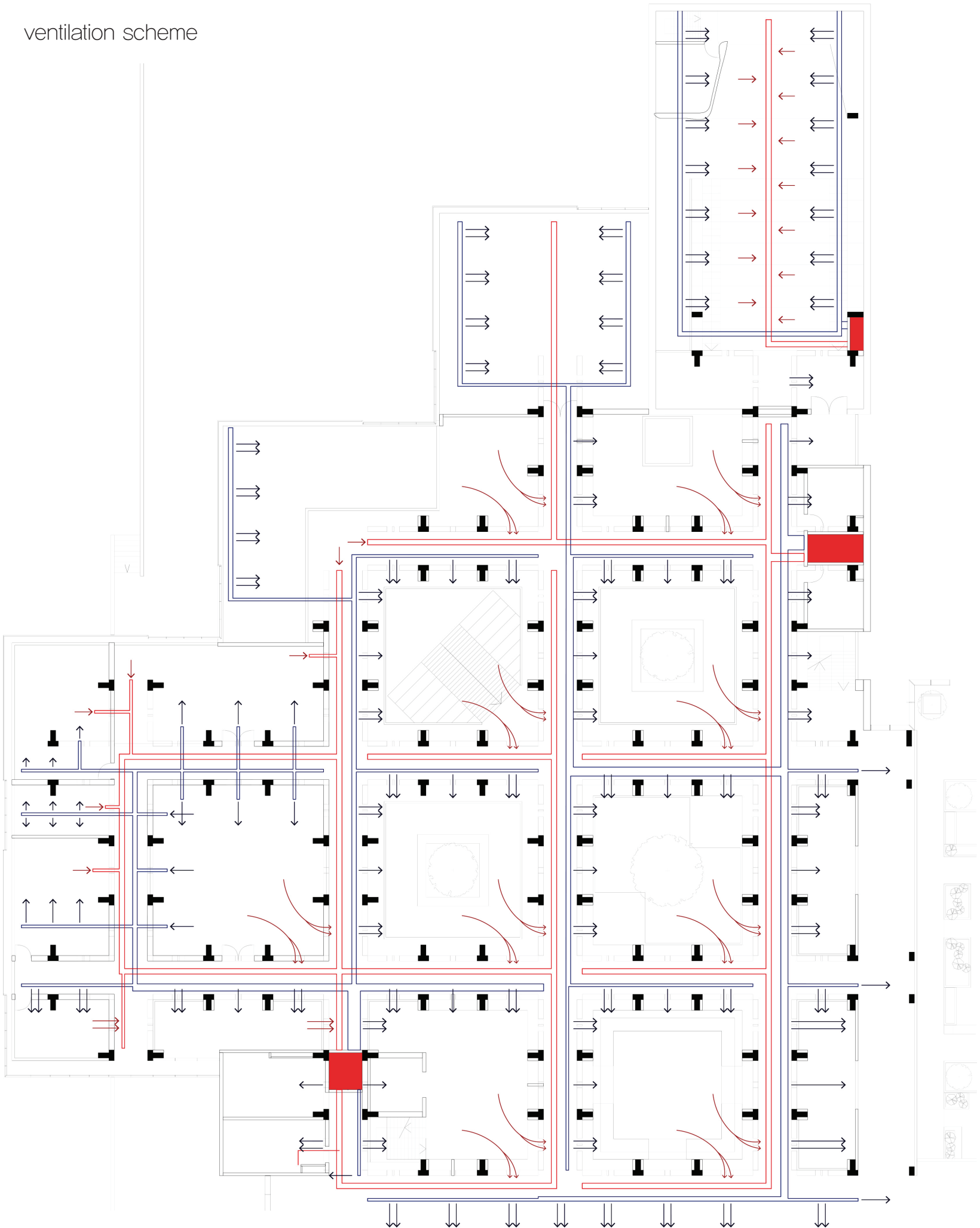
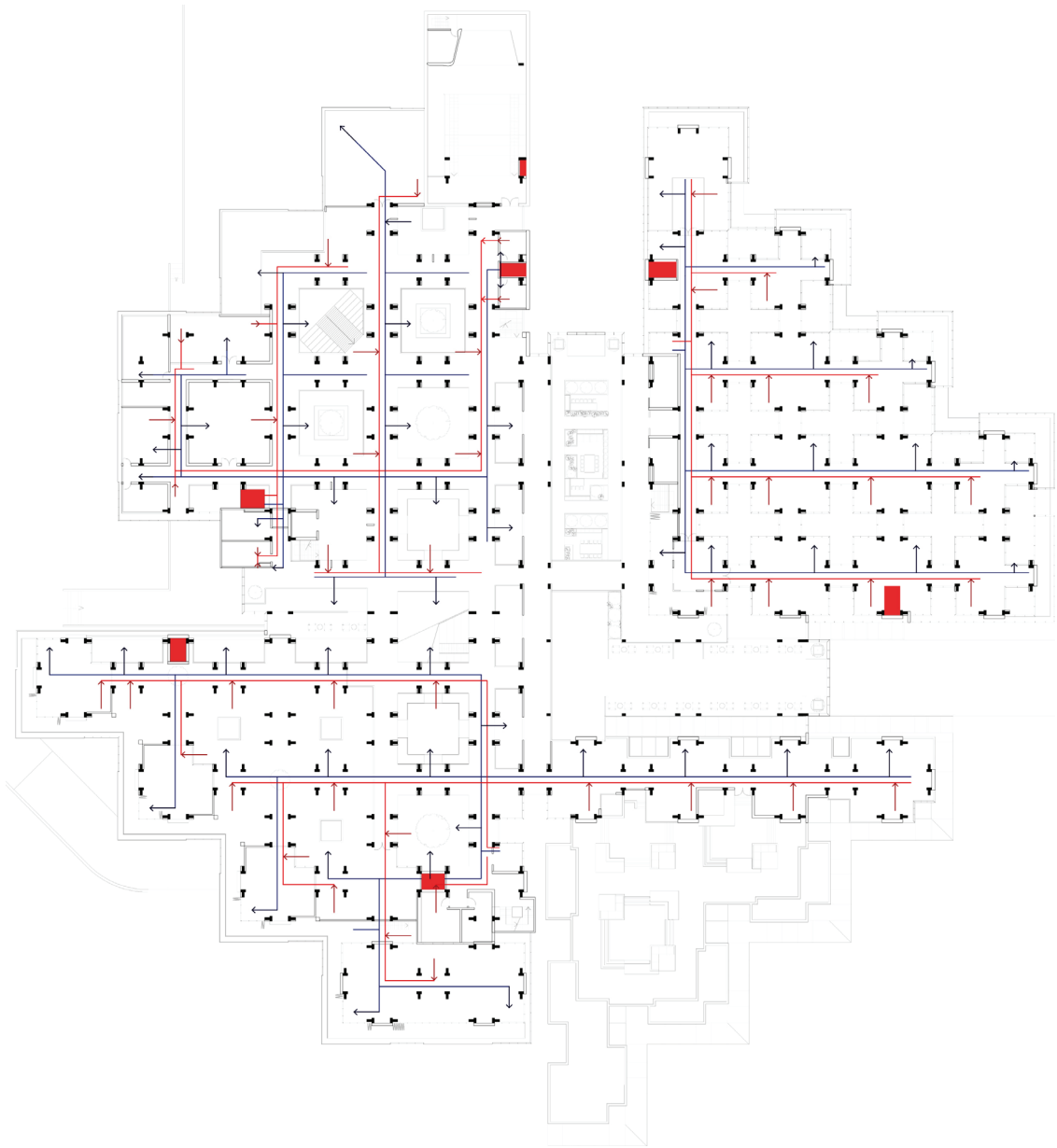


winter

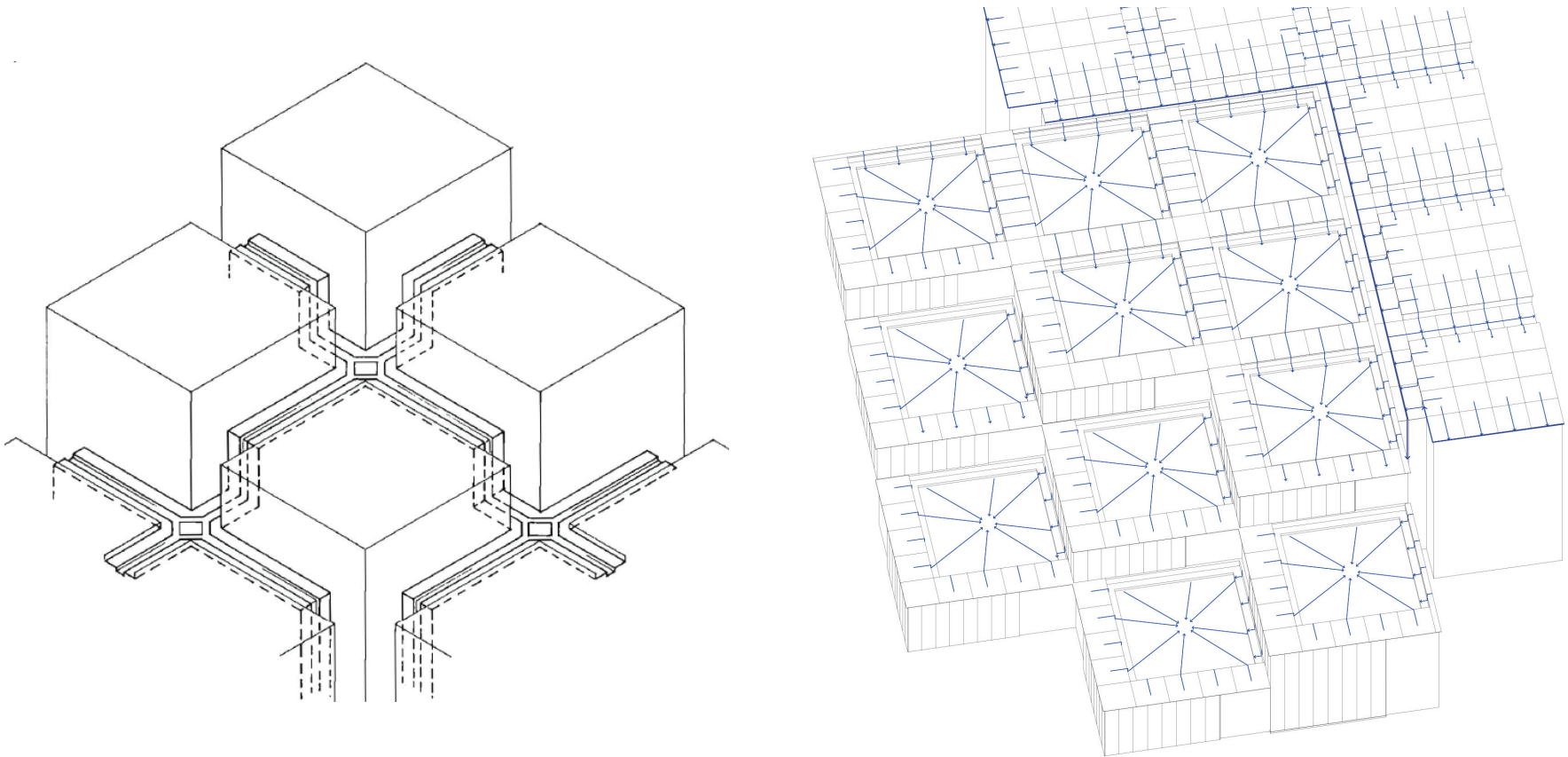


summer

ventilation scheme

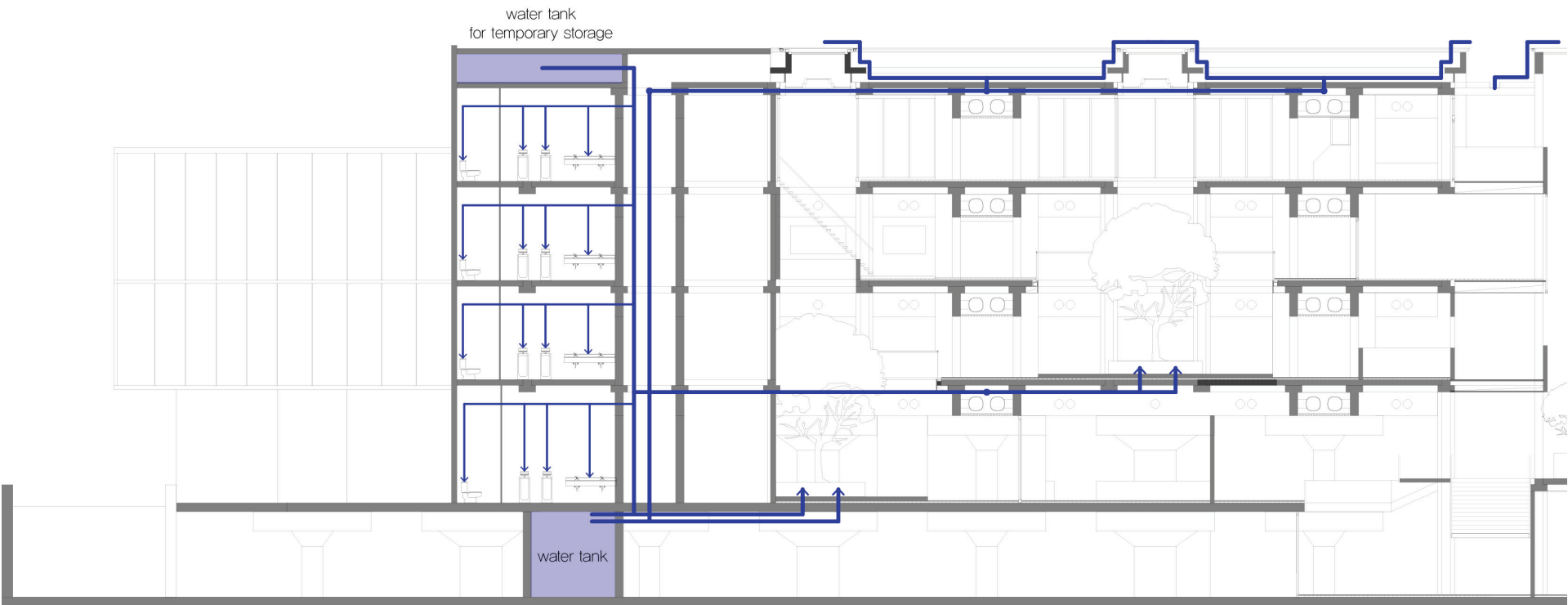


water drainage system



before

after

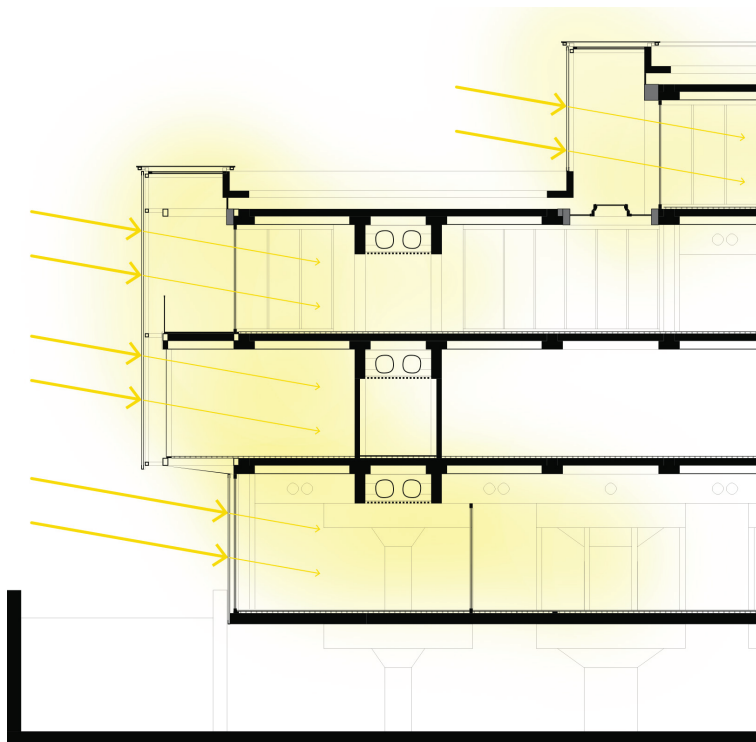


rain water reuse

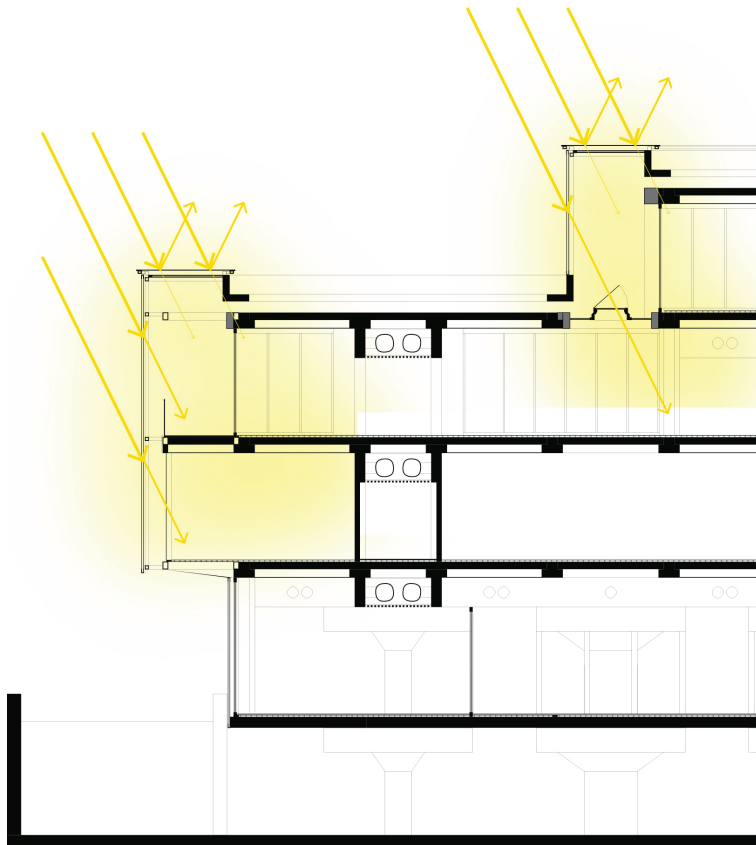


providing natural light to the middle of the building

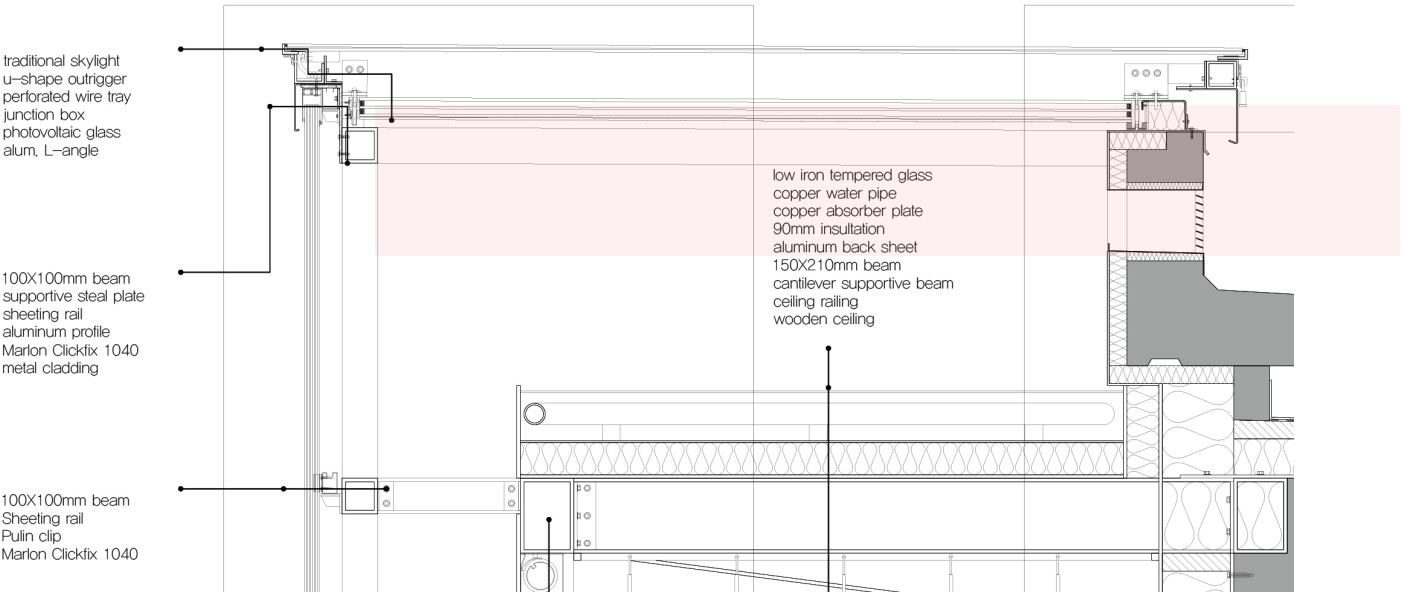
natural sunlight



winter

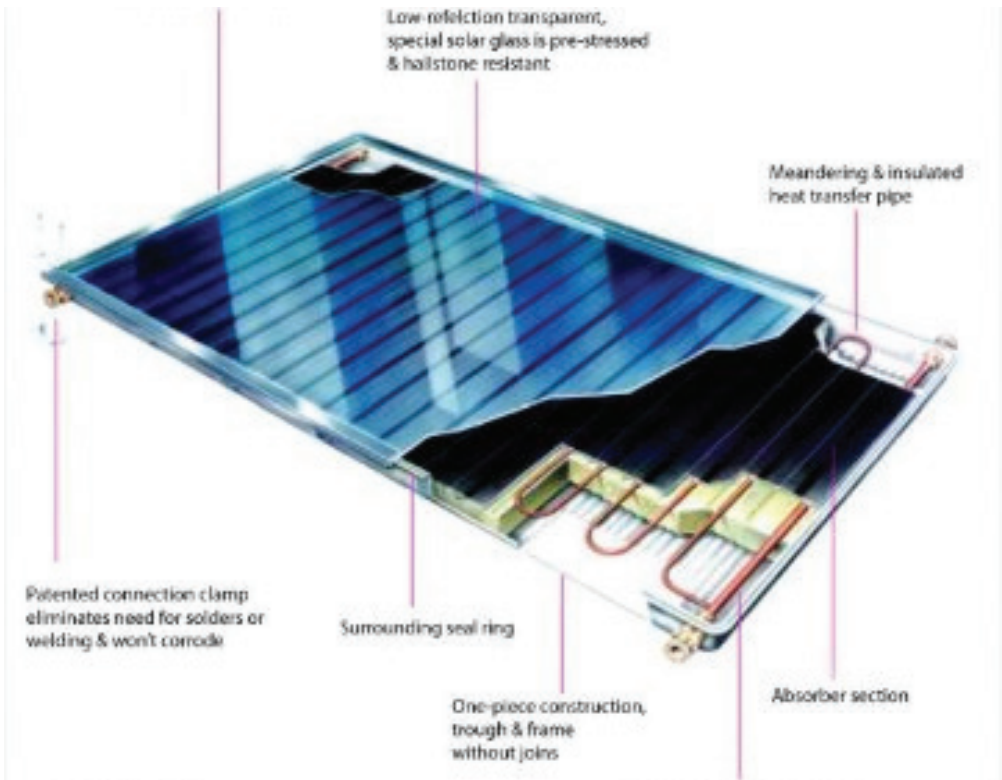
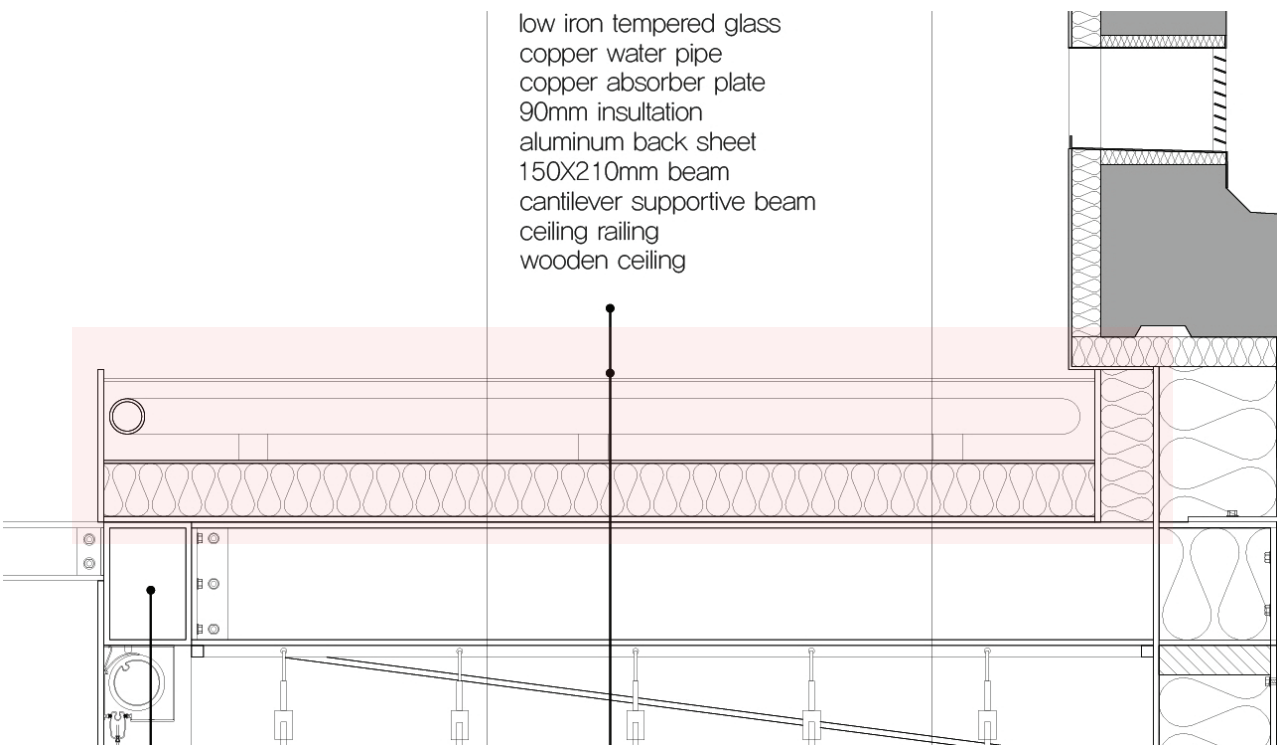
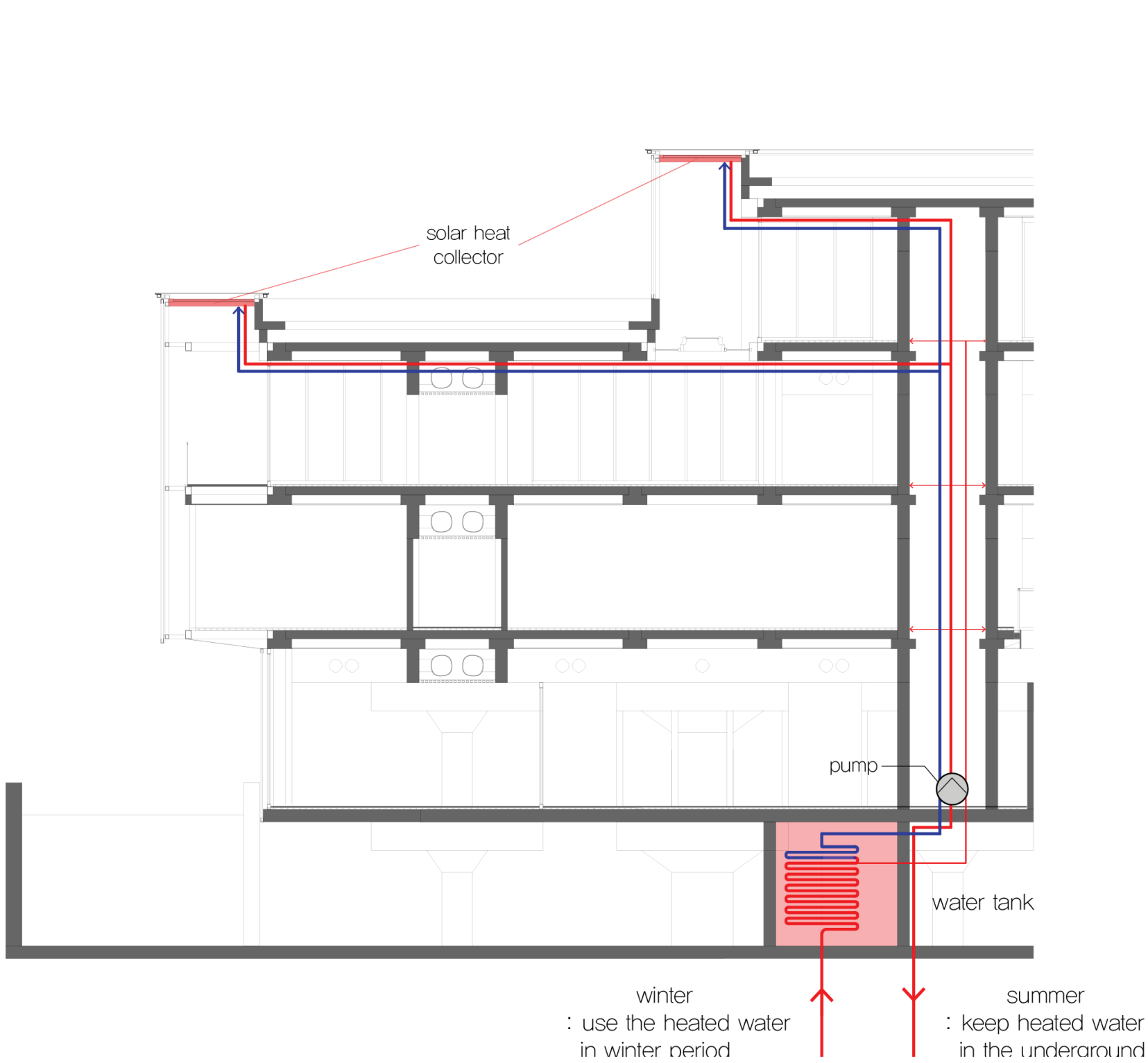


summer



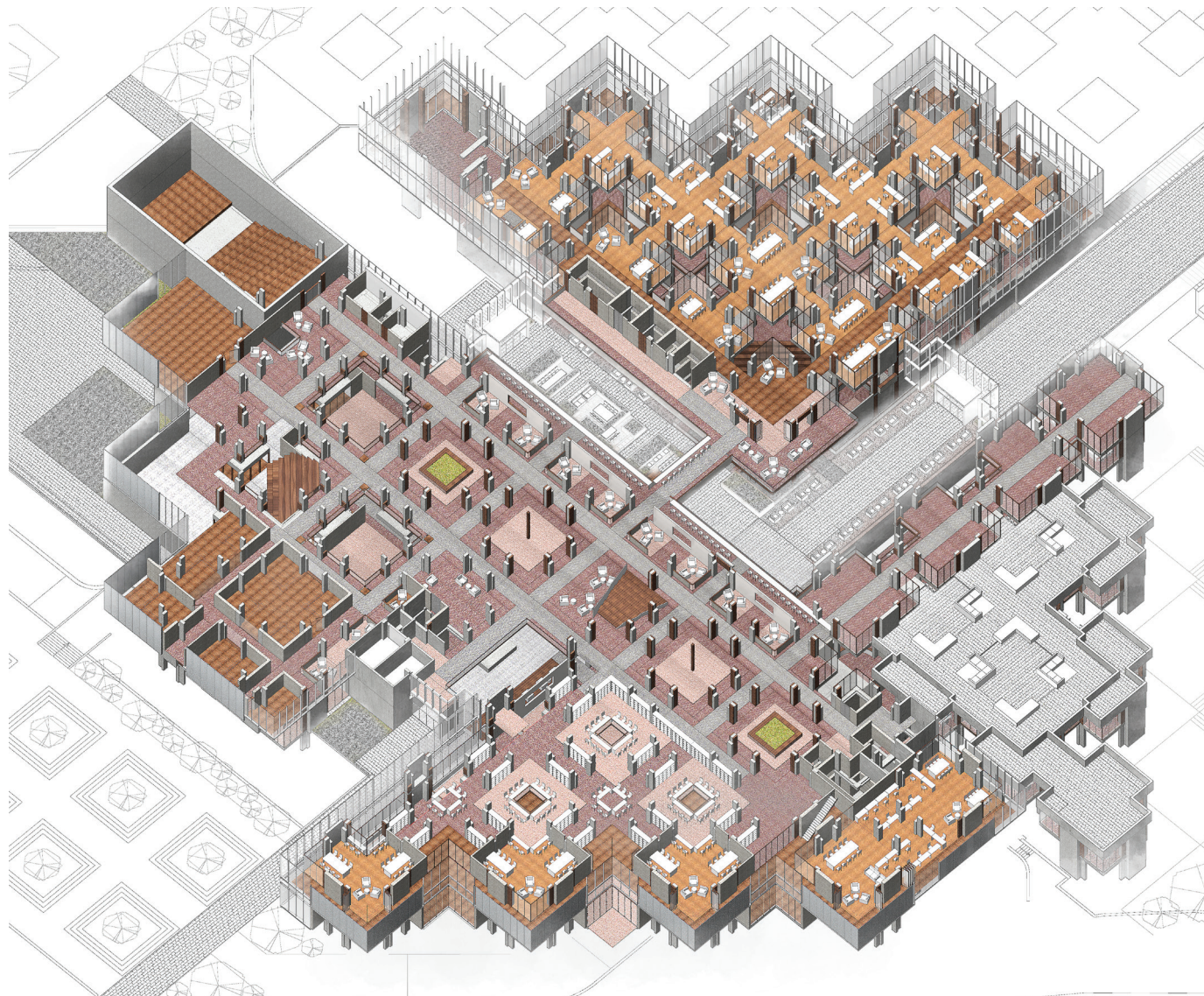
Onyx PV skylight

sun heat control scheme

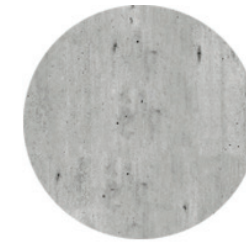


Material

Materiality



existing



concrete



gray brick

new



gray brick tile



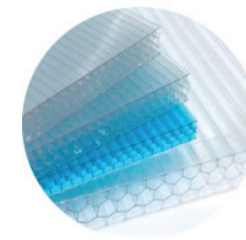
red brick tile



brick tile



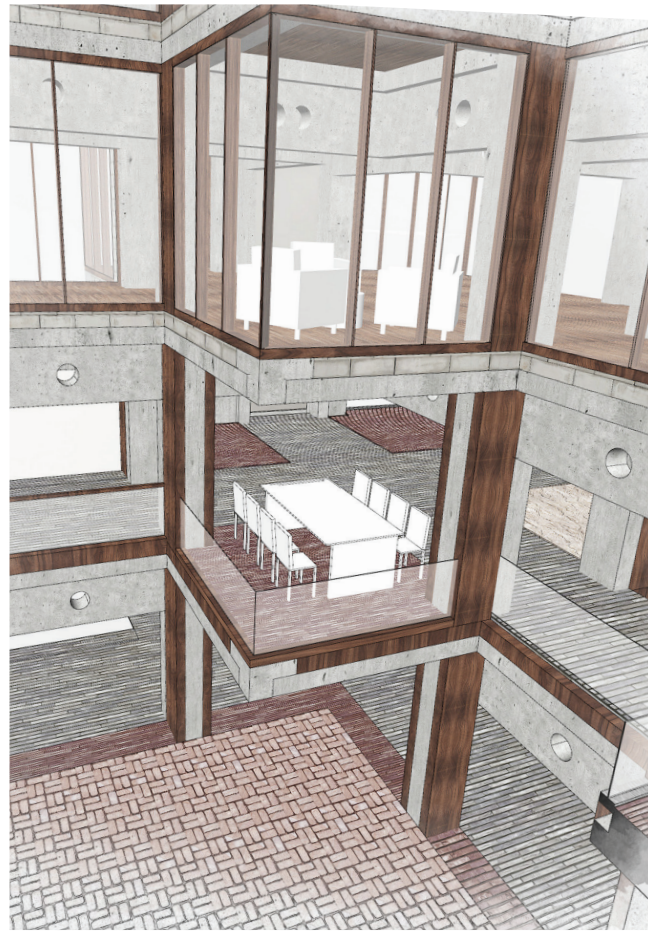
wooden floor



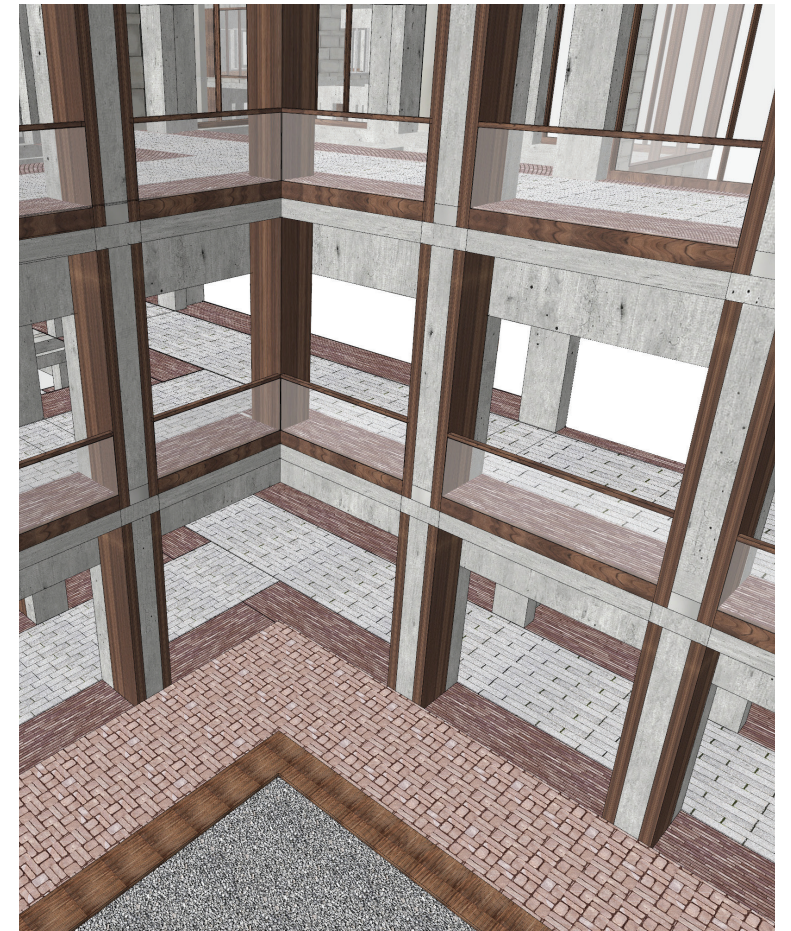
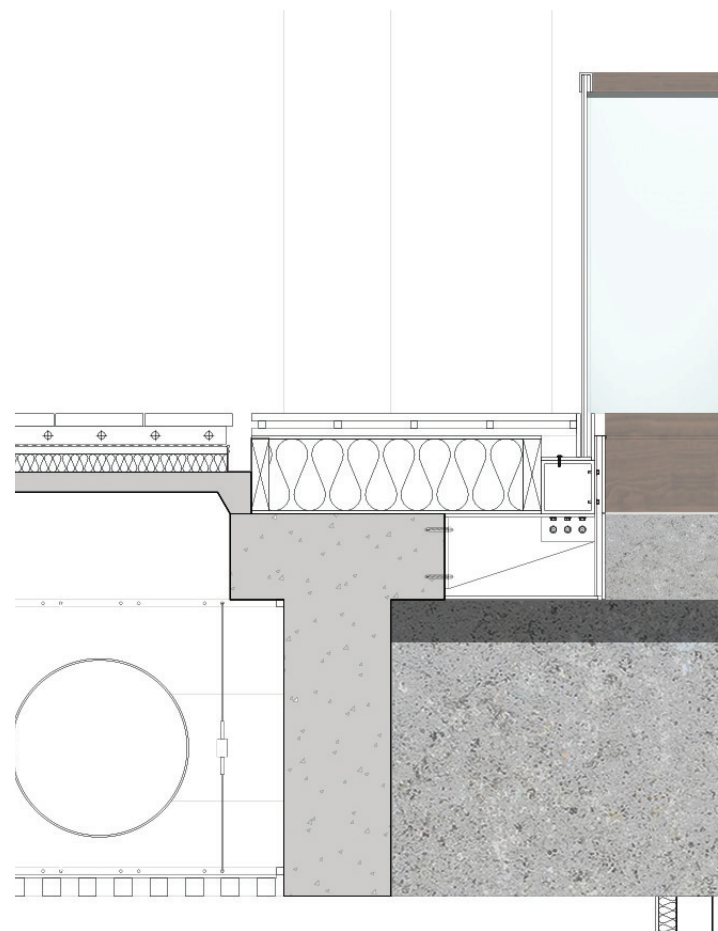
poly carbonate

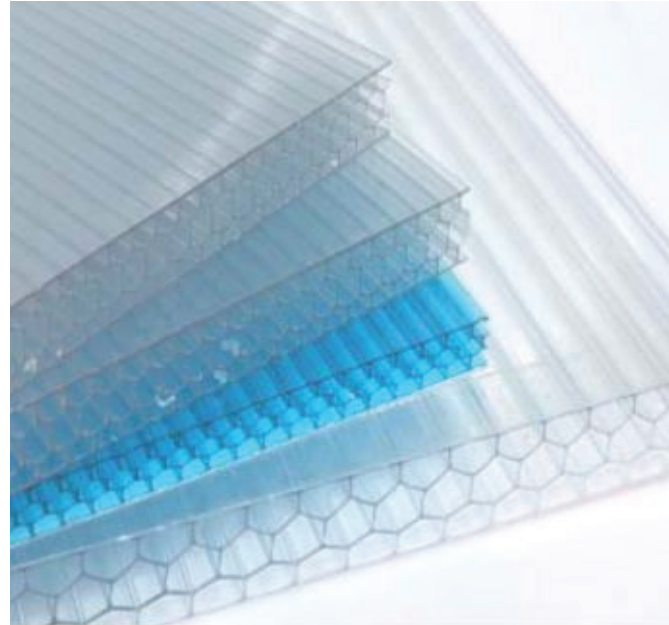


before



after





polycarbonate



glass

