

TECHNICAL SOLUTIONS

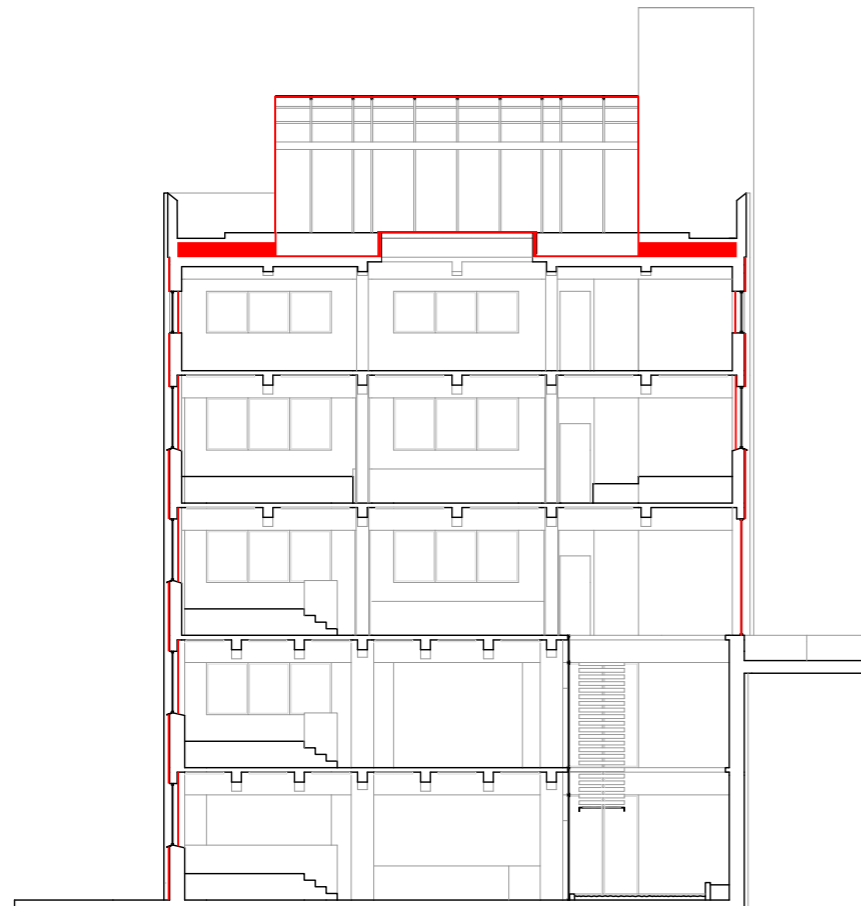
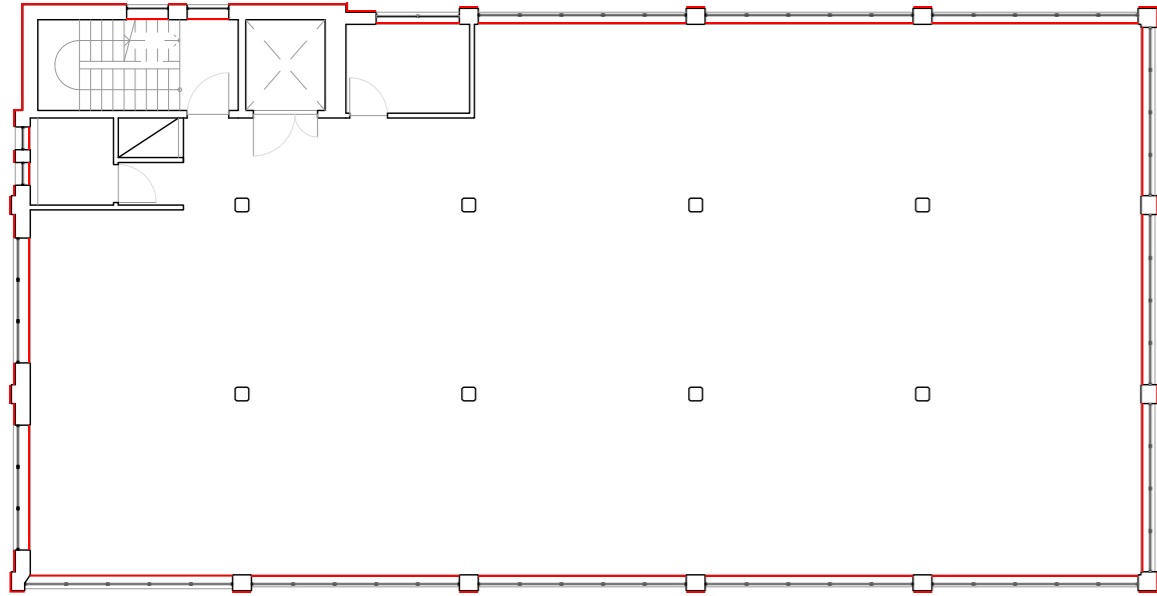
# INSULATION

Principle 1:200

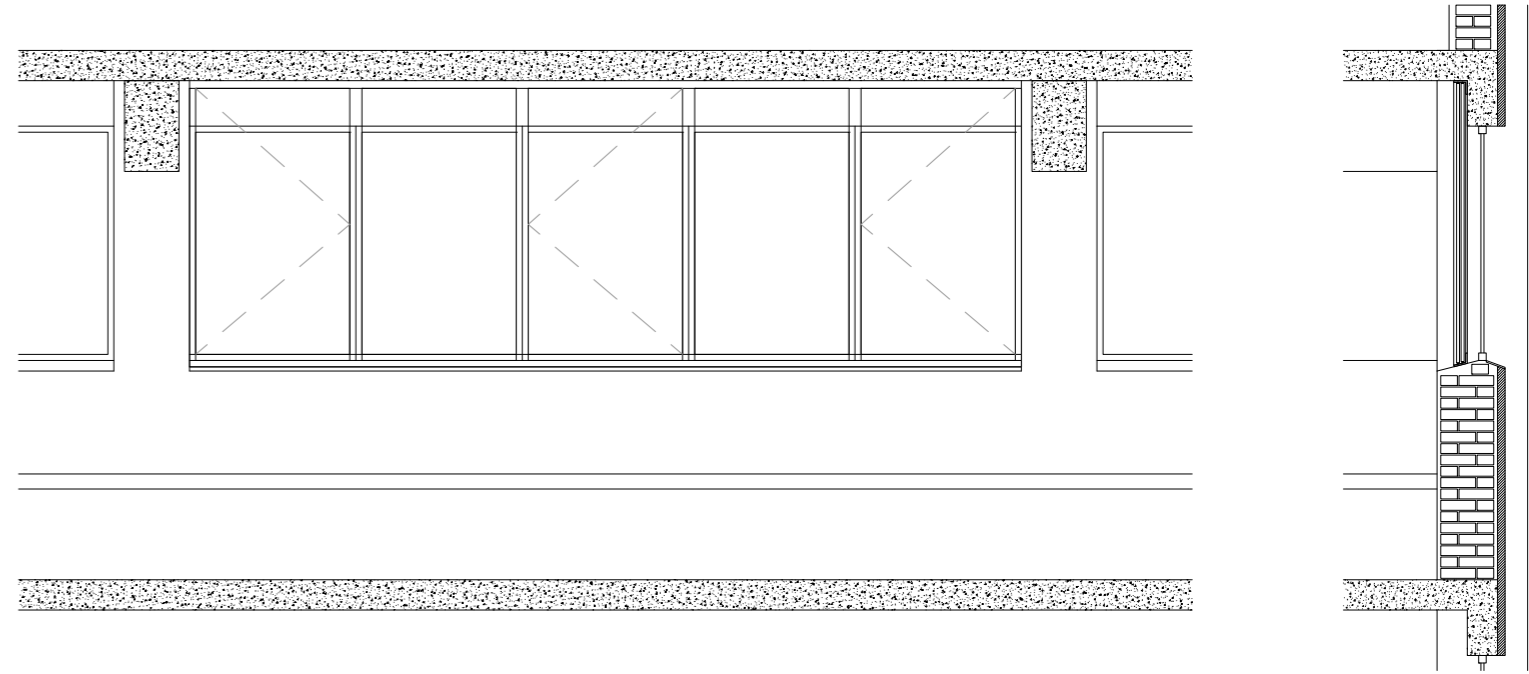
50 mm Isokalk (aerogel and plaster mortar) on the exterior facade

Additional windows in the interior

400 mm pressure resistant insulation on roof



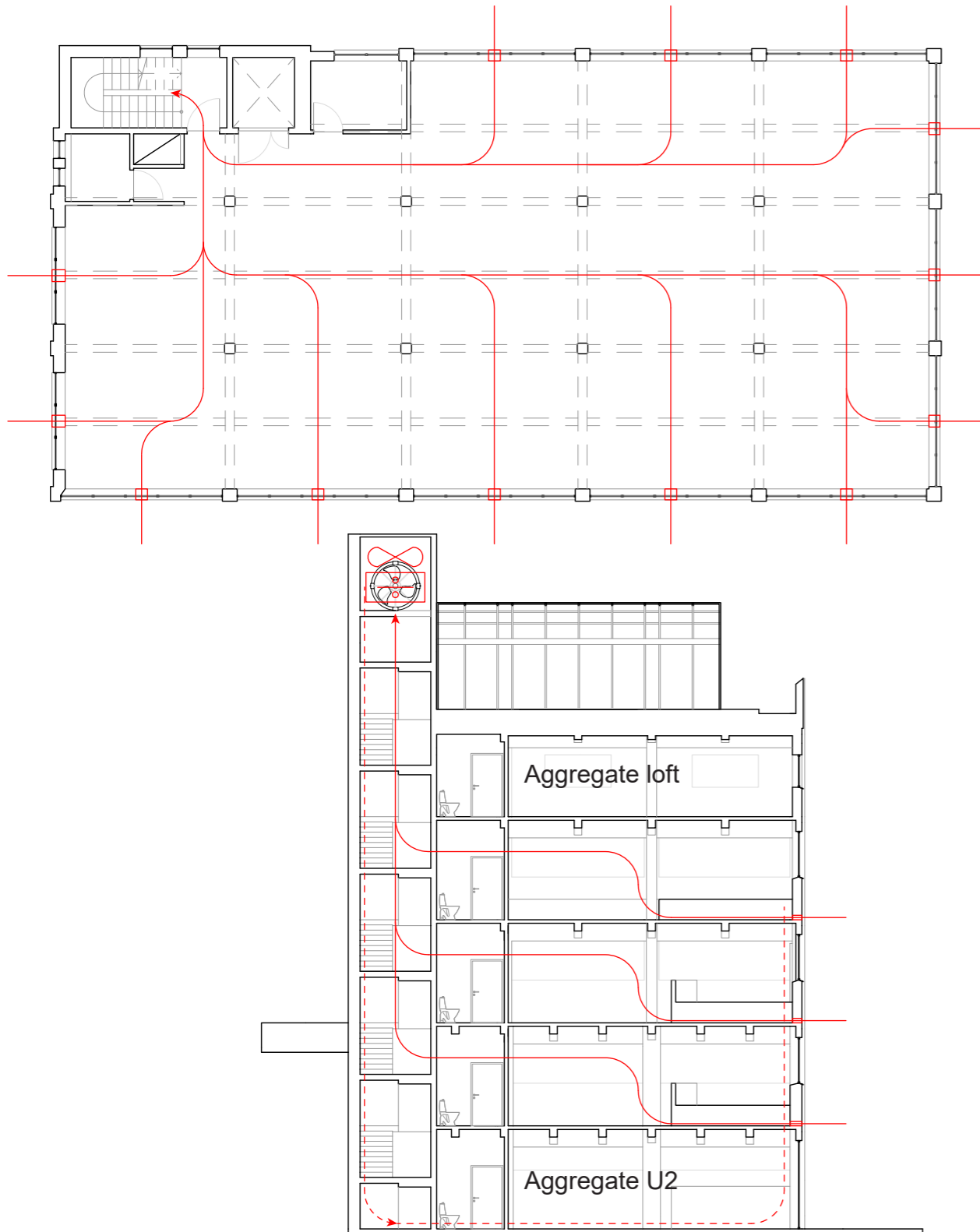
Detail 1:50



# VENTILATION

Principle 1:200

Stack ventilation  
150x400 mm holes in each module of the facade  
Cold air is heated under the rised floors  
Fan on top of stairwell keeps the circulation of air  
Heat is taken from used air before it is released, brought back and used to heat up cold air



# CONSTRUCTION - FLOORS

Principle 1:200

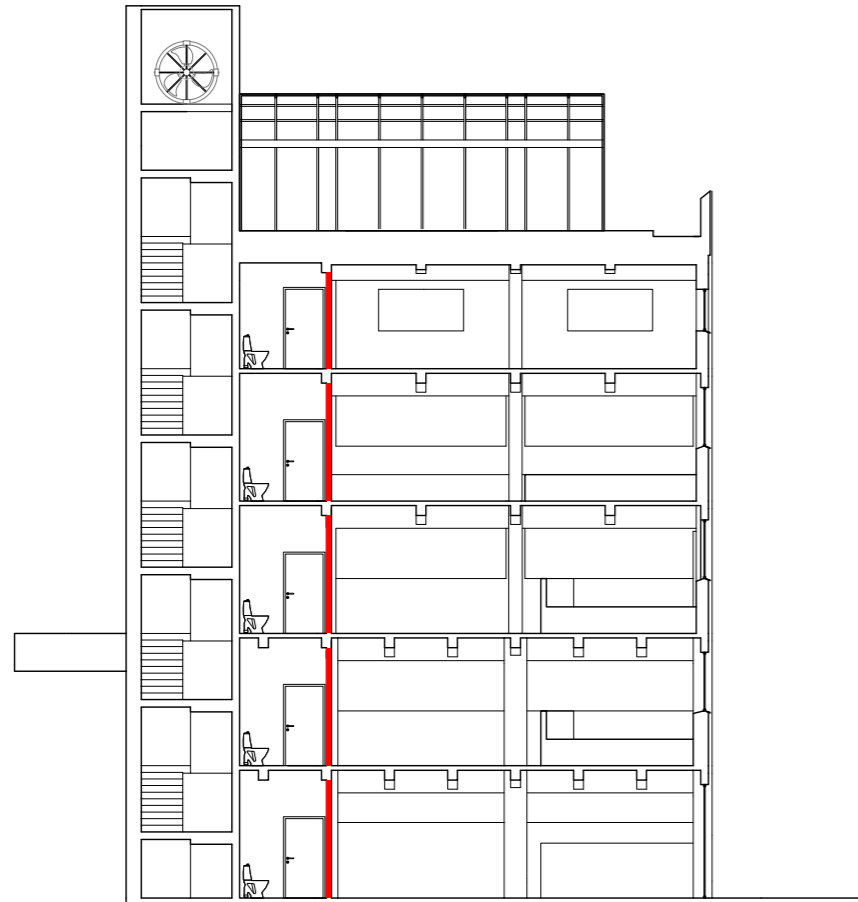
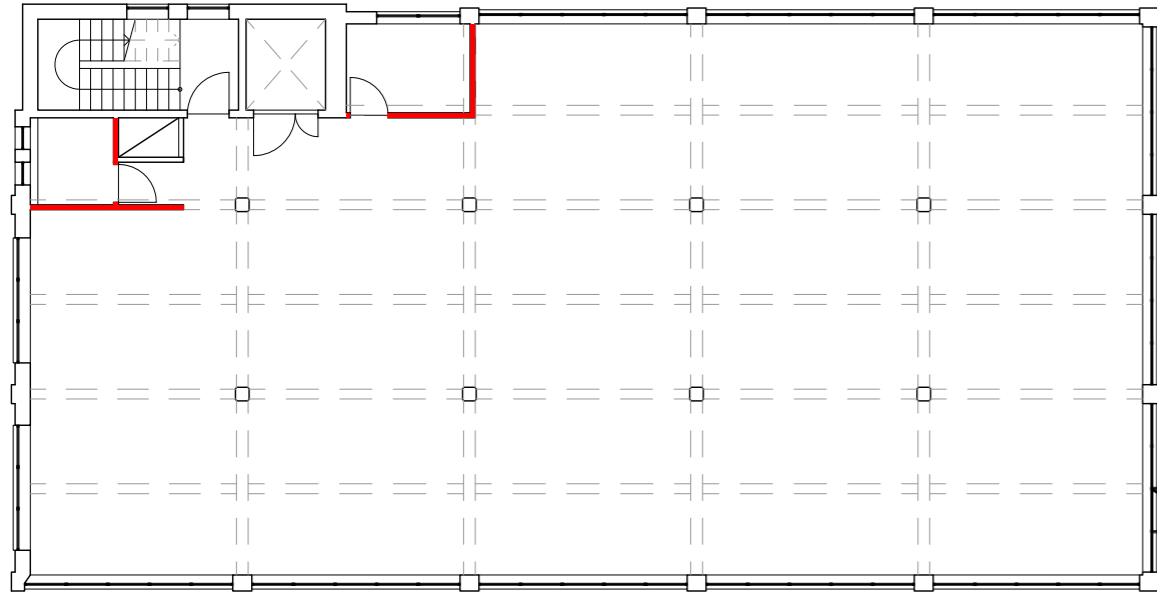
Along the perimeter the floors are rised with 700 mm  
Space underneath are used to techinal infrastructure and storage  
Space above are work places with better connection between inside and outside



# CONSTRUCTION - WALLS

Principle 1:200

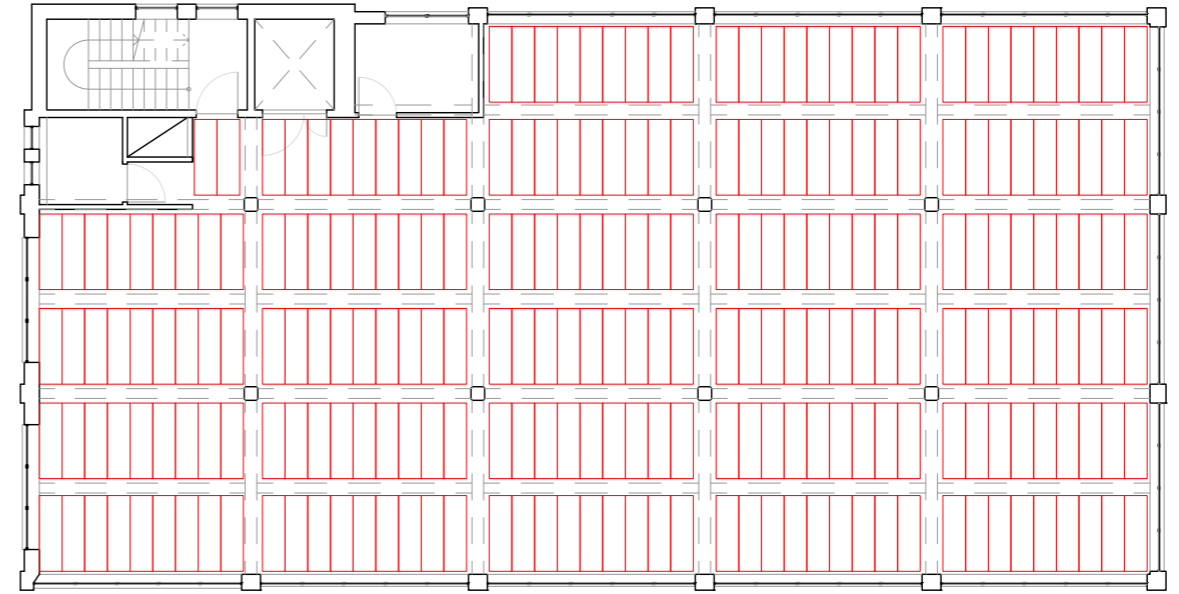
All necessary functions are placed in the efficiency corner.  
These are going up to the ceiling and following the beam structure.  
Walls are built up with 1/2 brick as the existing ones.



# ACOUSTICS

Principle 1:200

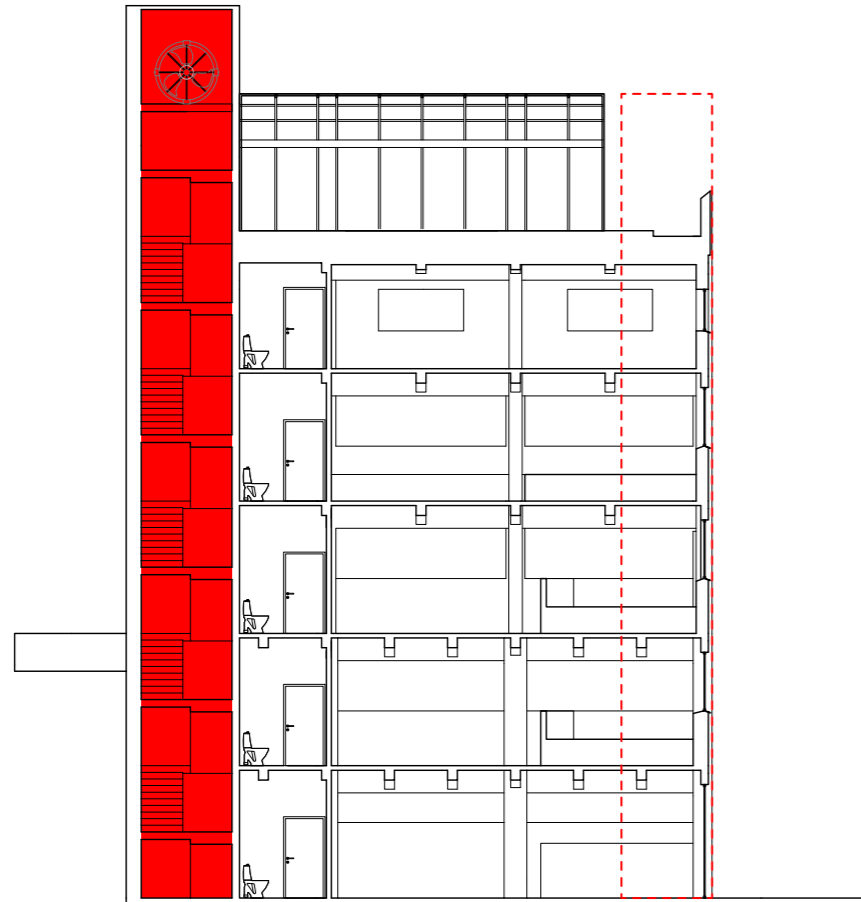
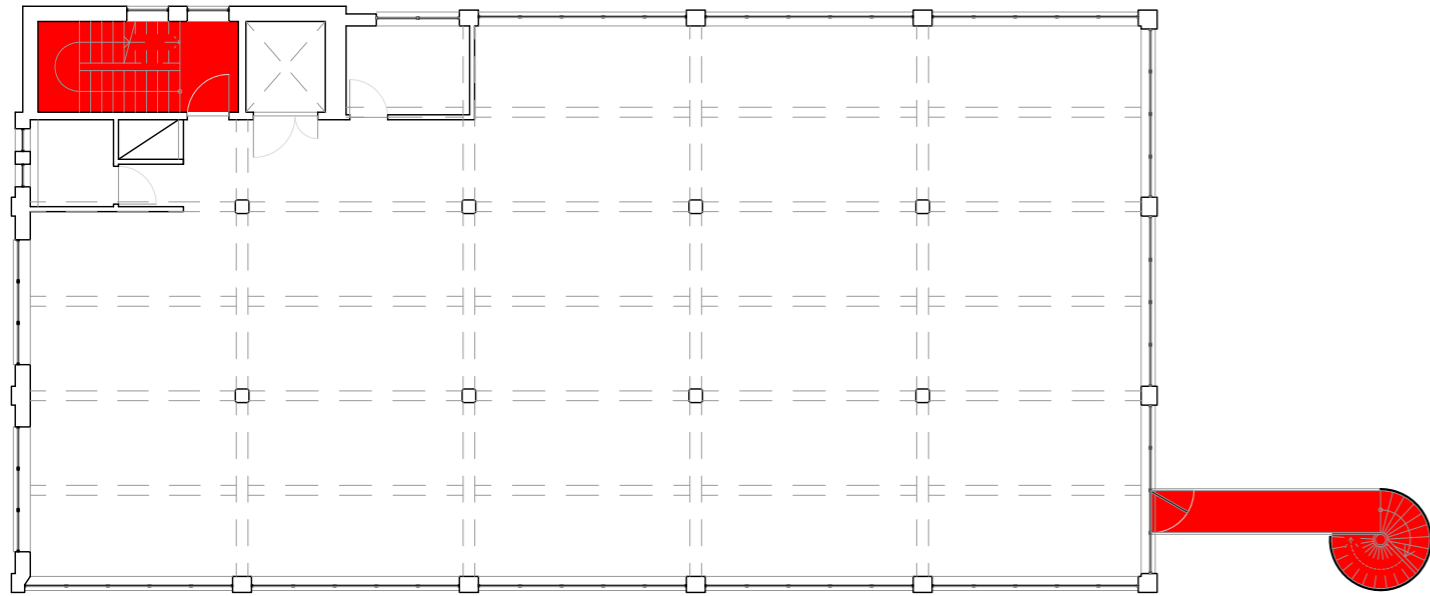
35 mm treulitt boards between beam structure  
Standard sizing 600 x 1200 in U1 and U2  
Standard sizing 600 x 2000 in 1 and 2



# FIRE

Principle 1:200

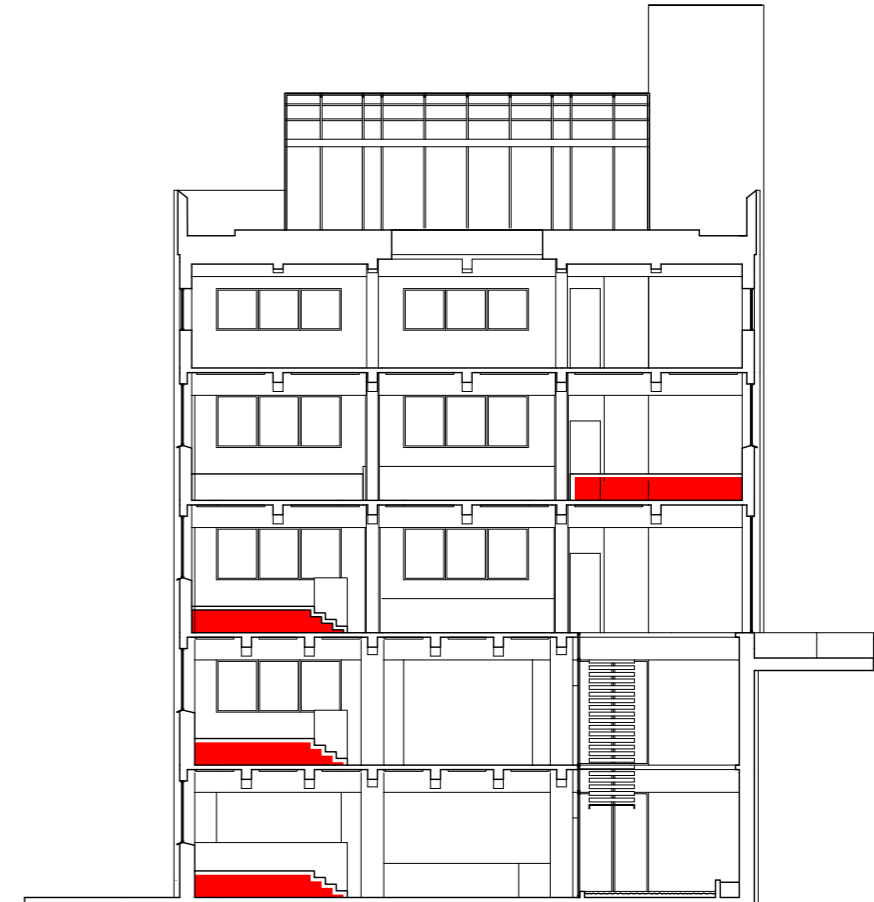
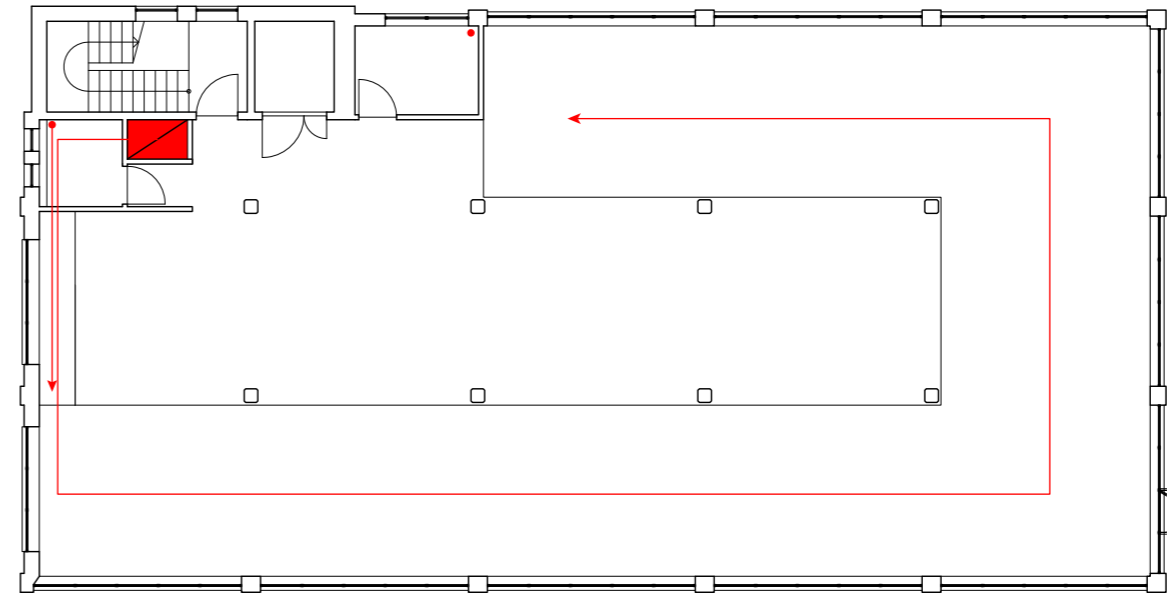
Two fire escapes, one interior and one exterior. Both has automatic closing steel doors.

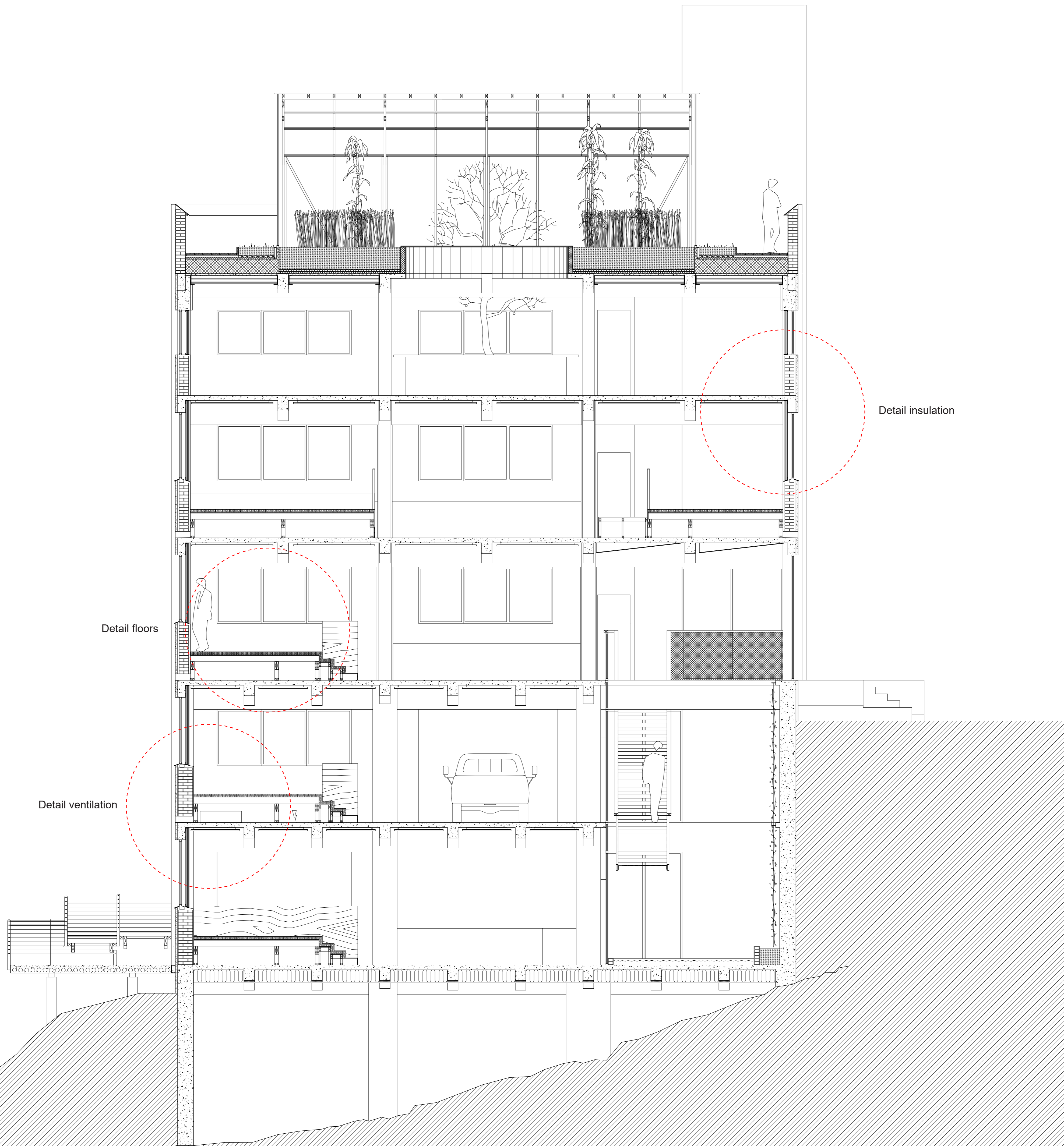


# WATER AND ELECTRICITY

Principle 1:200

Existing shaft contains water, air, electricity  
Water functions are kept close to the shaft  
Electricity is under the rised floors.





Detail floors

Detail ventilation

Detail insulation