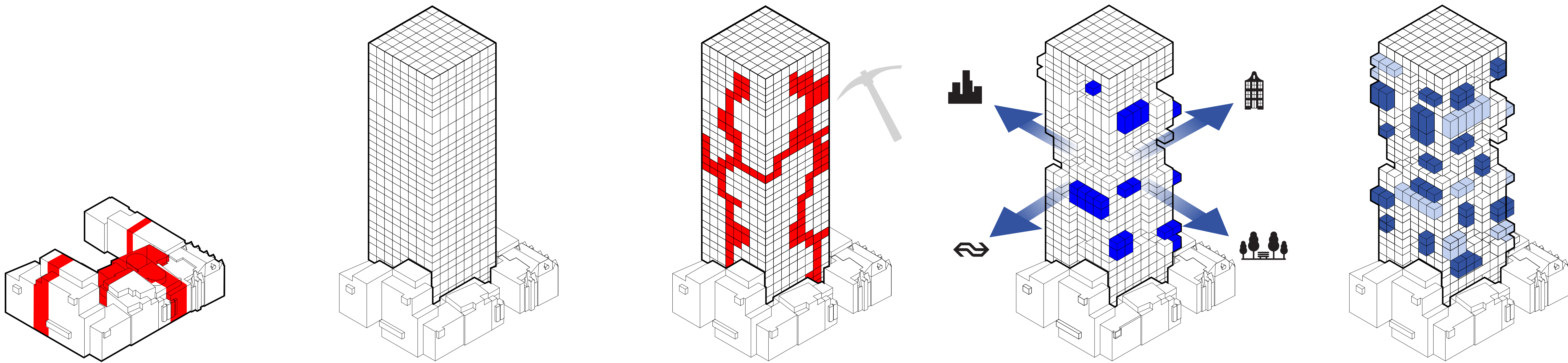


The Vertical Town Square

Thomas Bax



View from the park



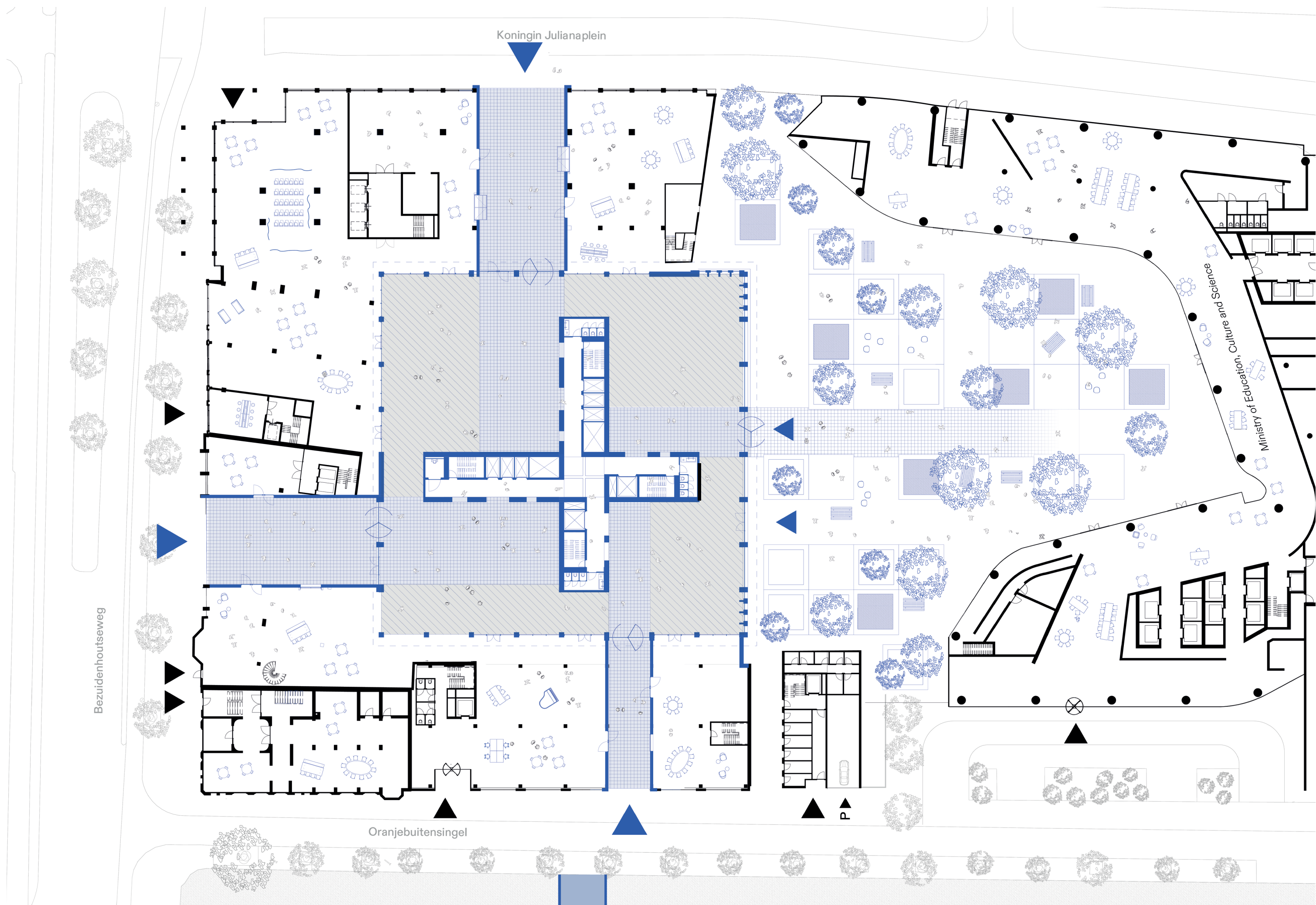
- 1 removal parts existing
- 2 generic grid tower
- 3 unblocking
- 4 extending
- 5 future-proof

Form evolution



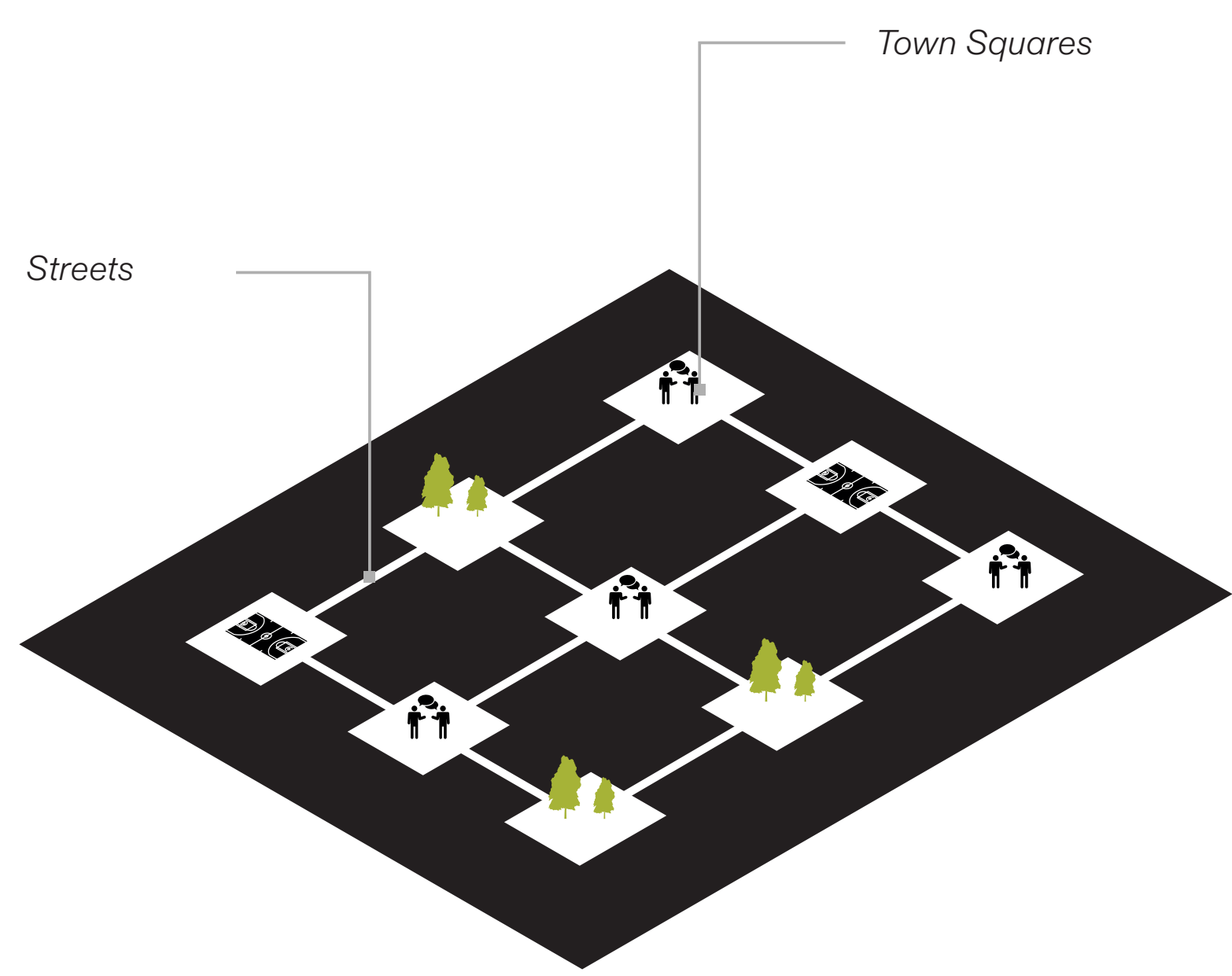
West elevation

0 4m

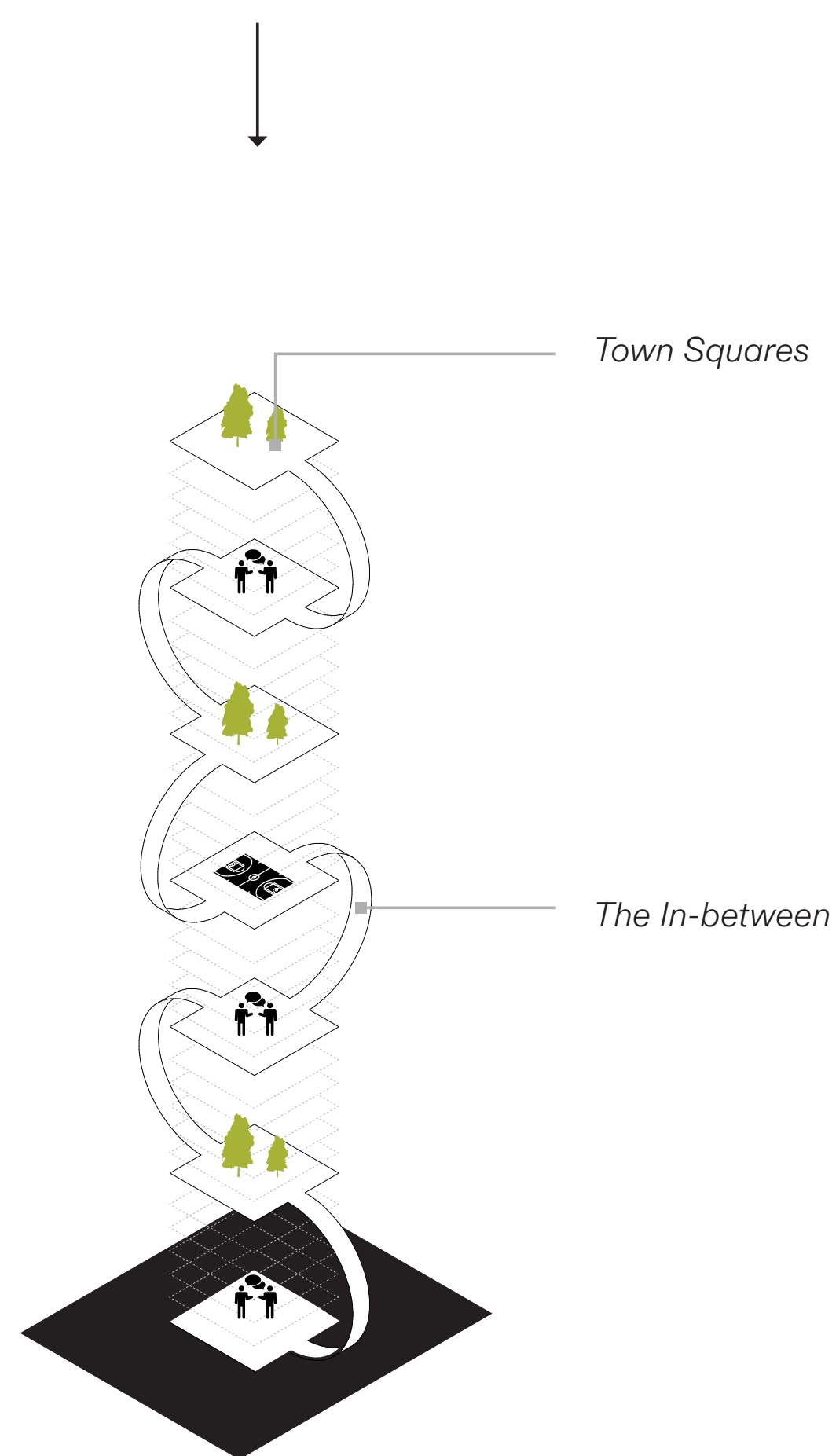


Ground floor

0 4m



Traditional Lay Out

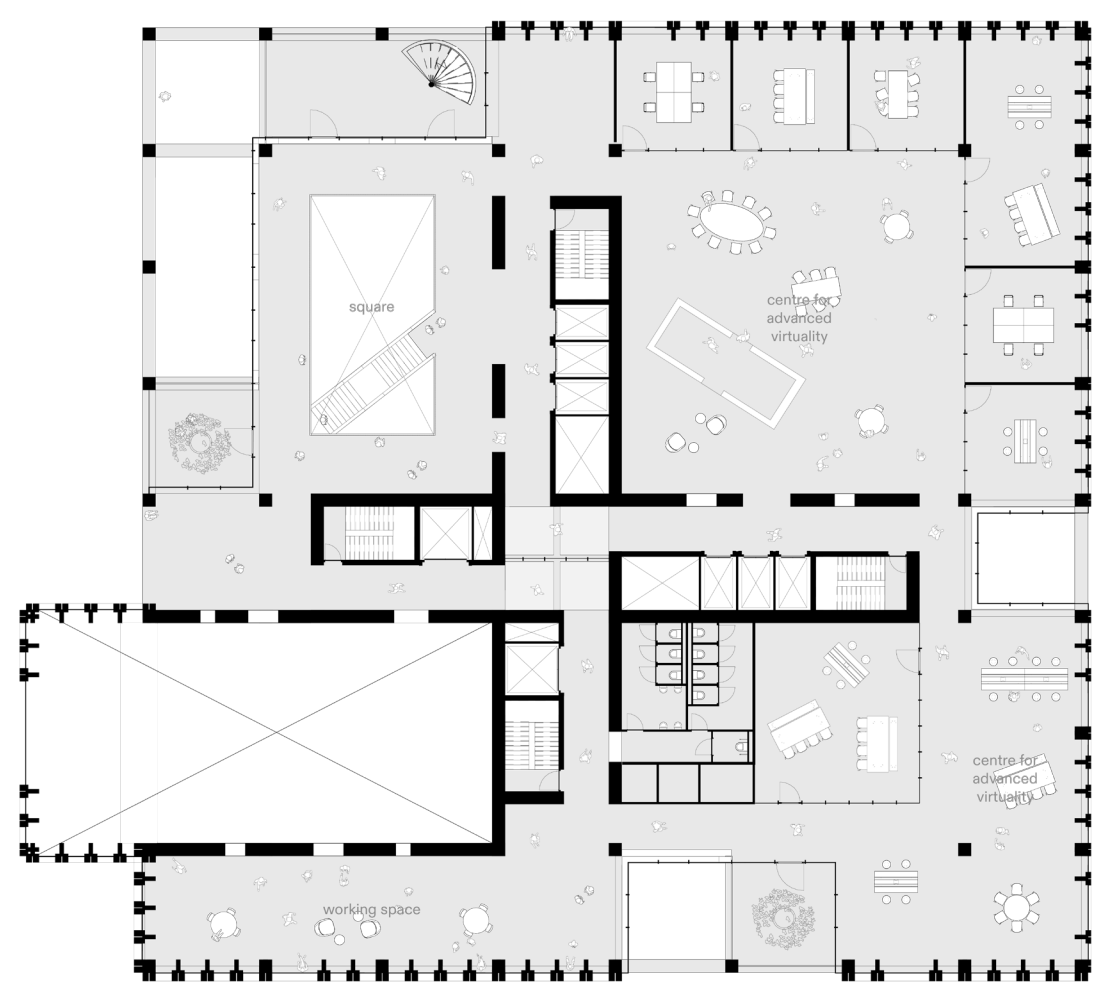


"Vertical Town Square"

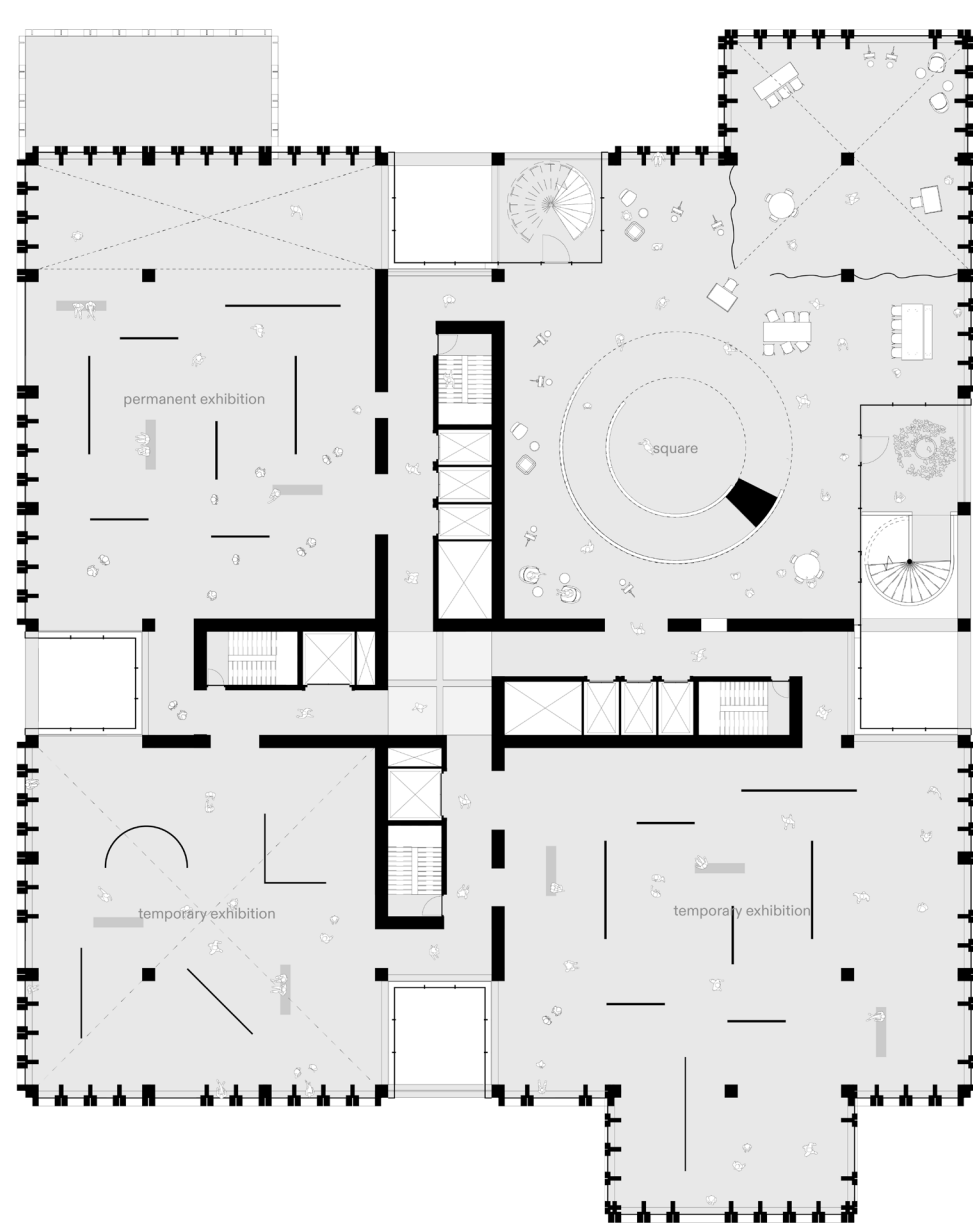
Vertical translation Town Square



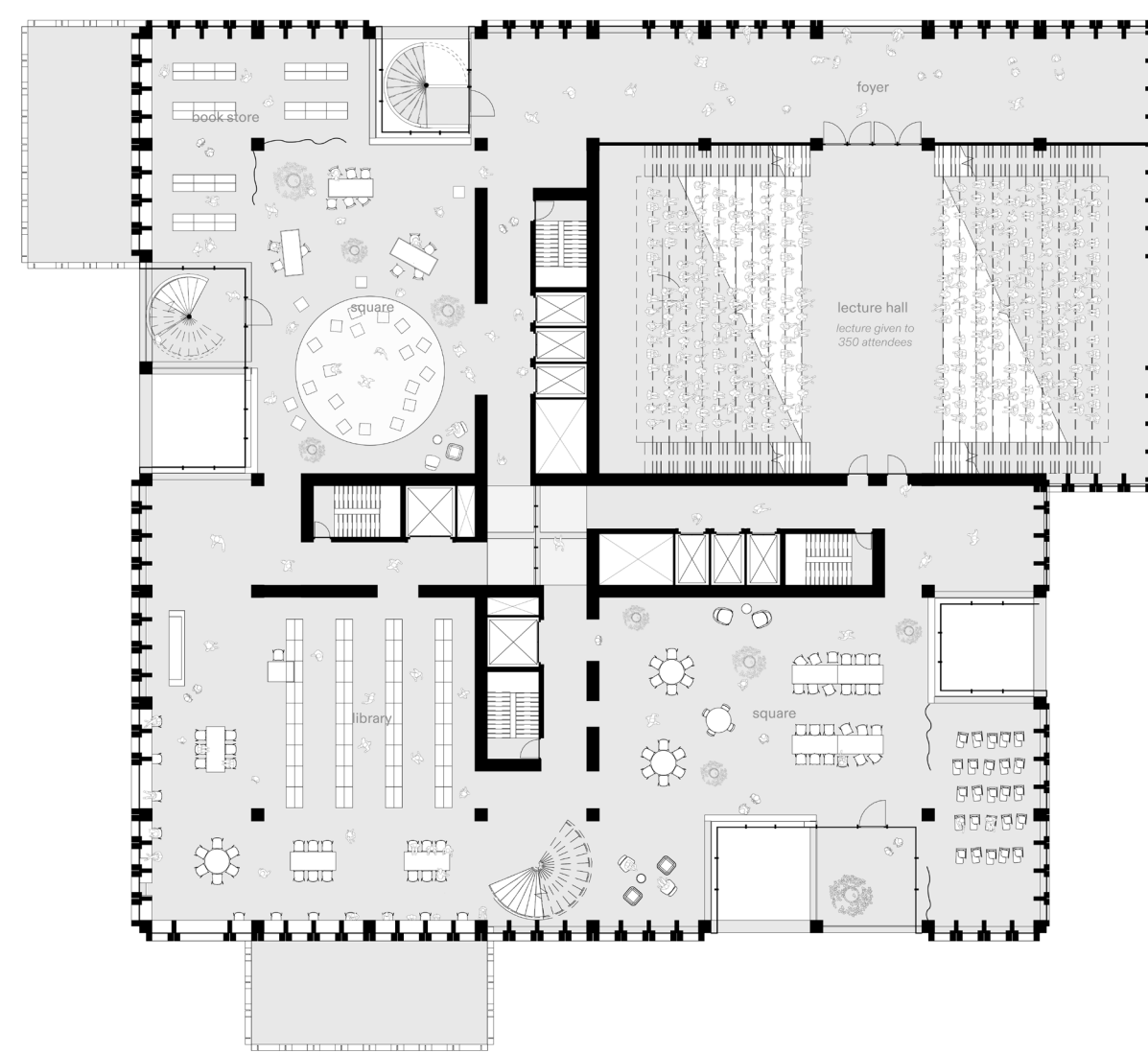
The In-between



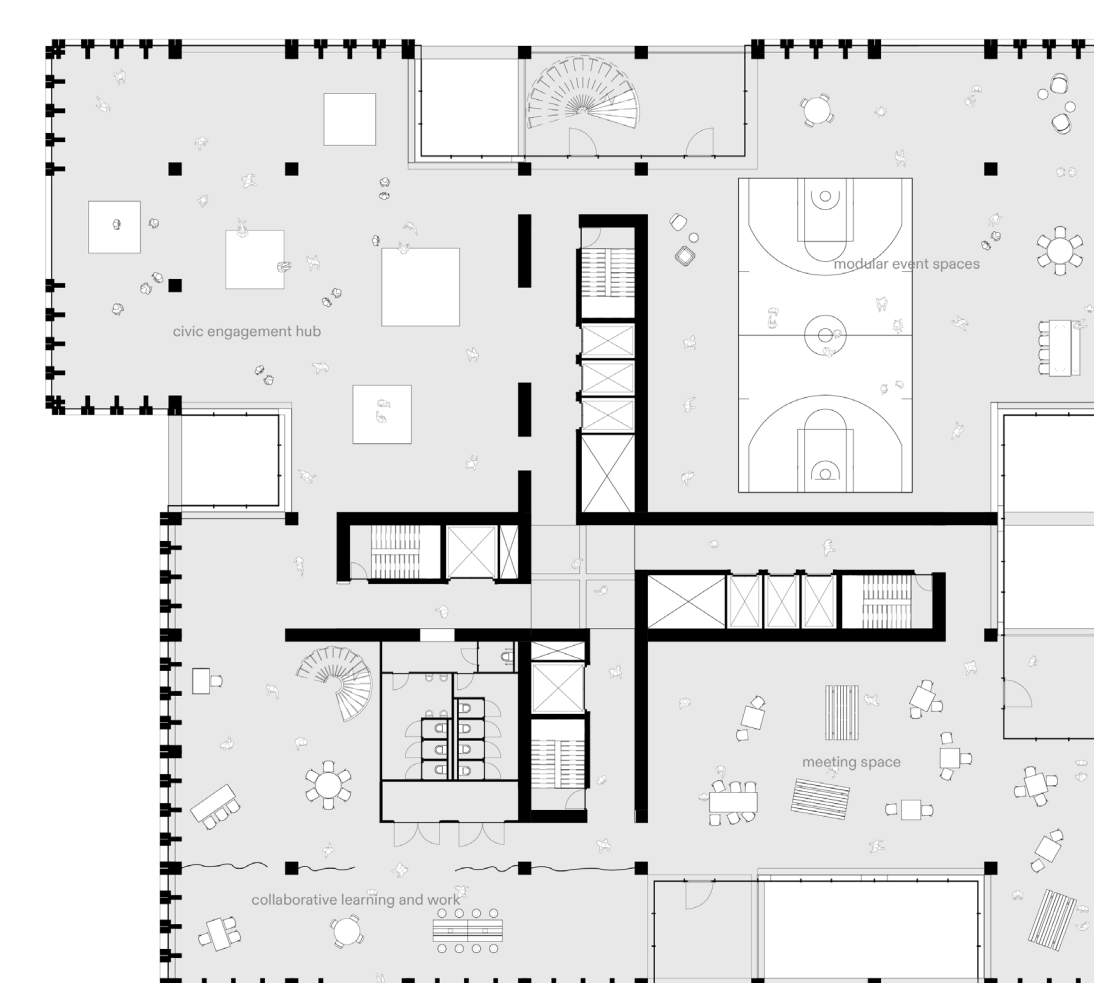
level 08 Square of Depiction



level 10 Square of Creation



level 15 Square of Knowledge



level 23 Square of Exchange

0 4m



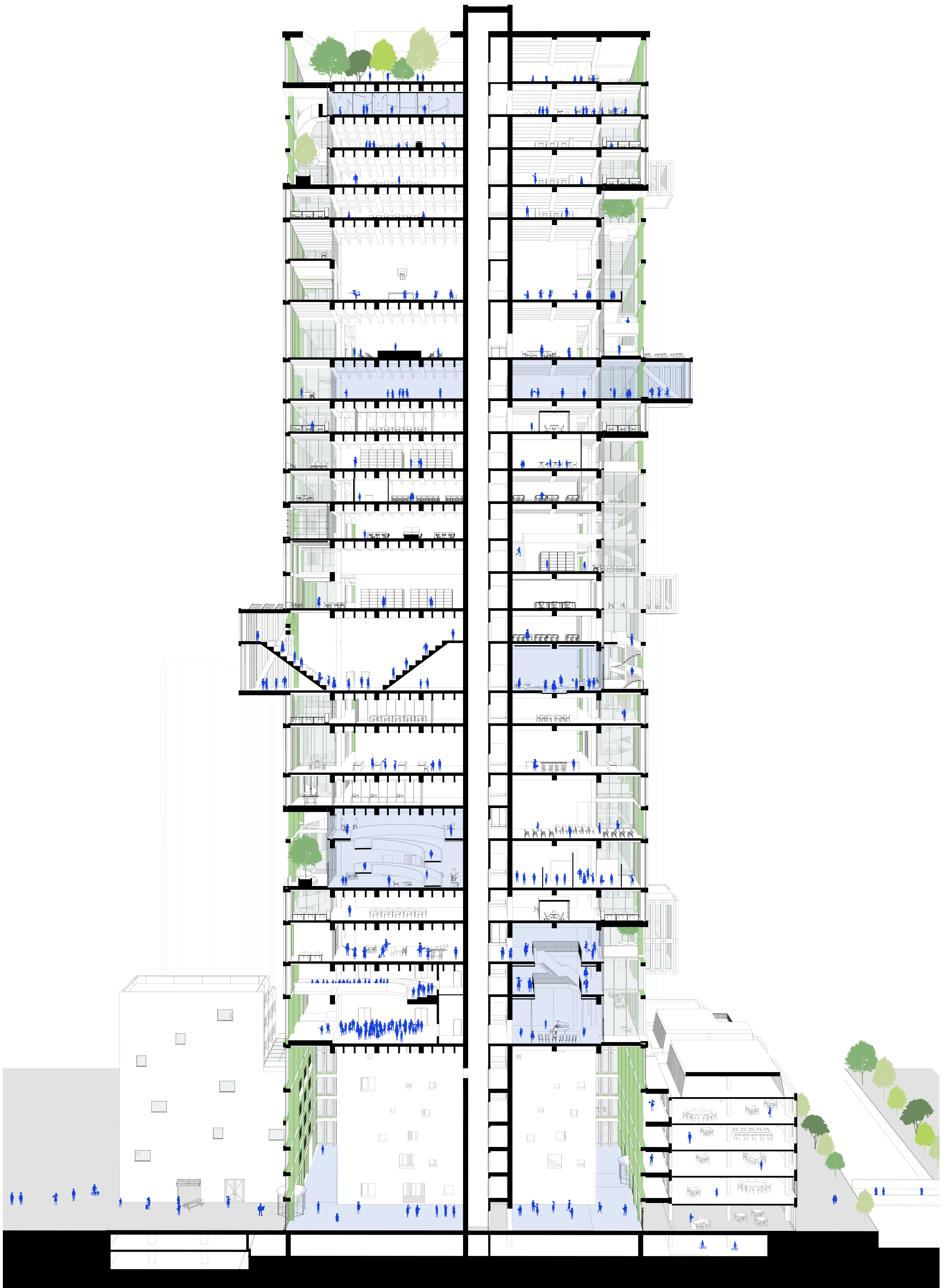
Depiction



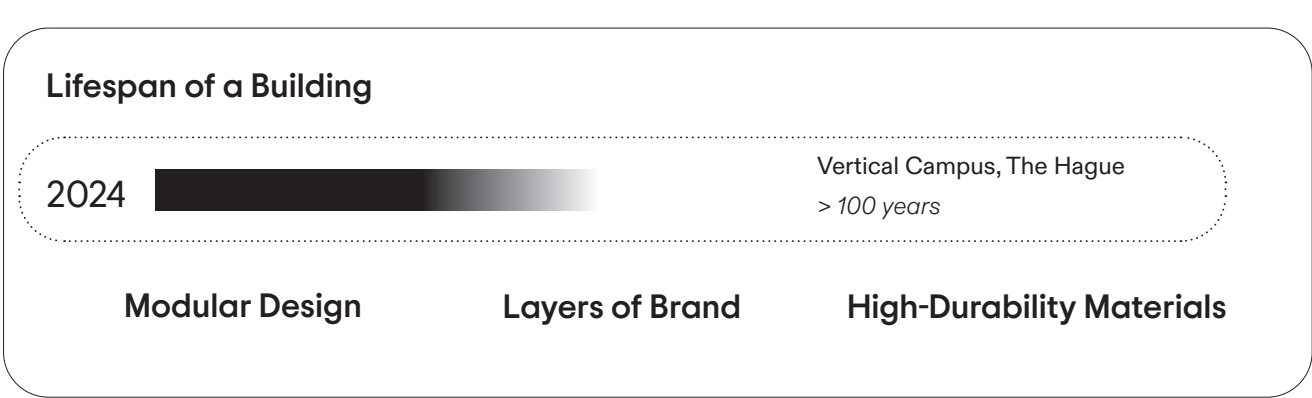
Creation



Knowledge



Durability



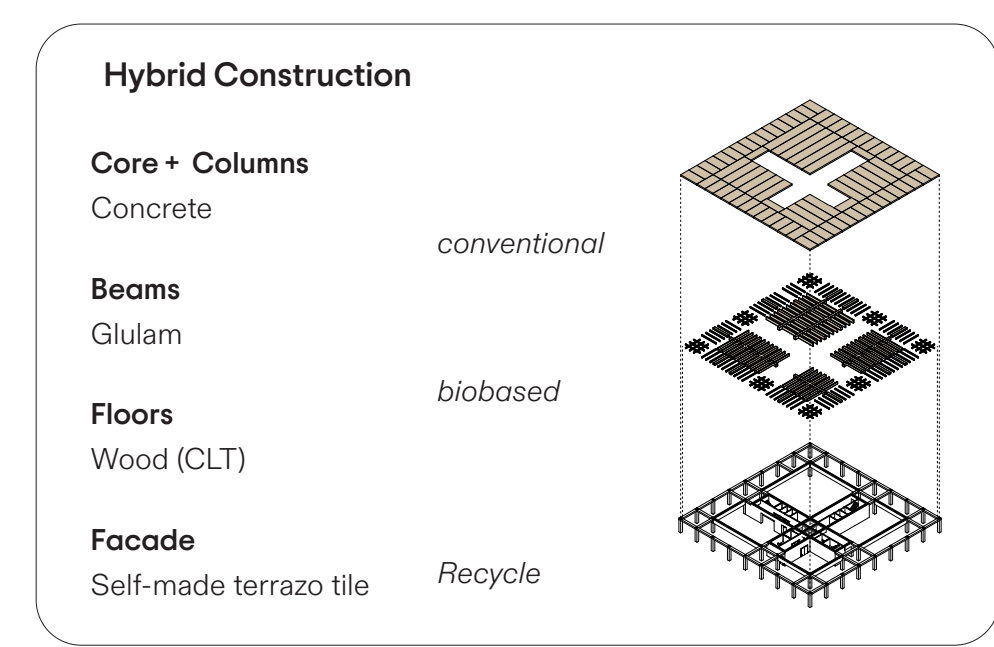
Optimization

Solar chimney

Optimization

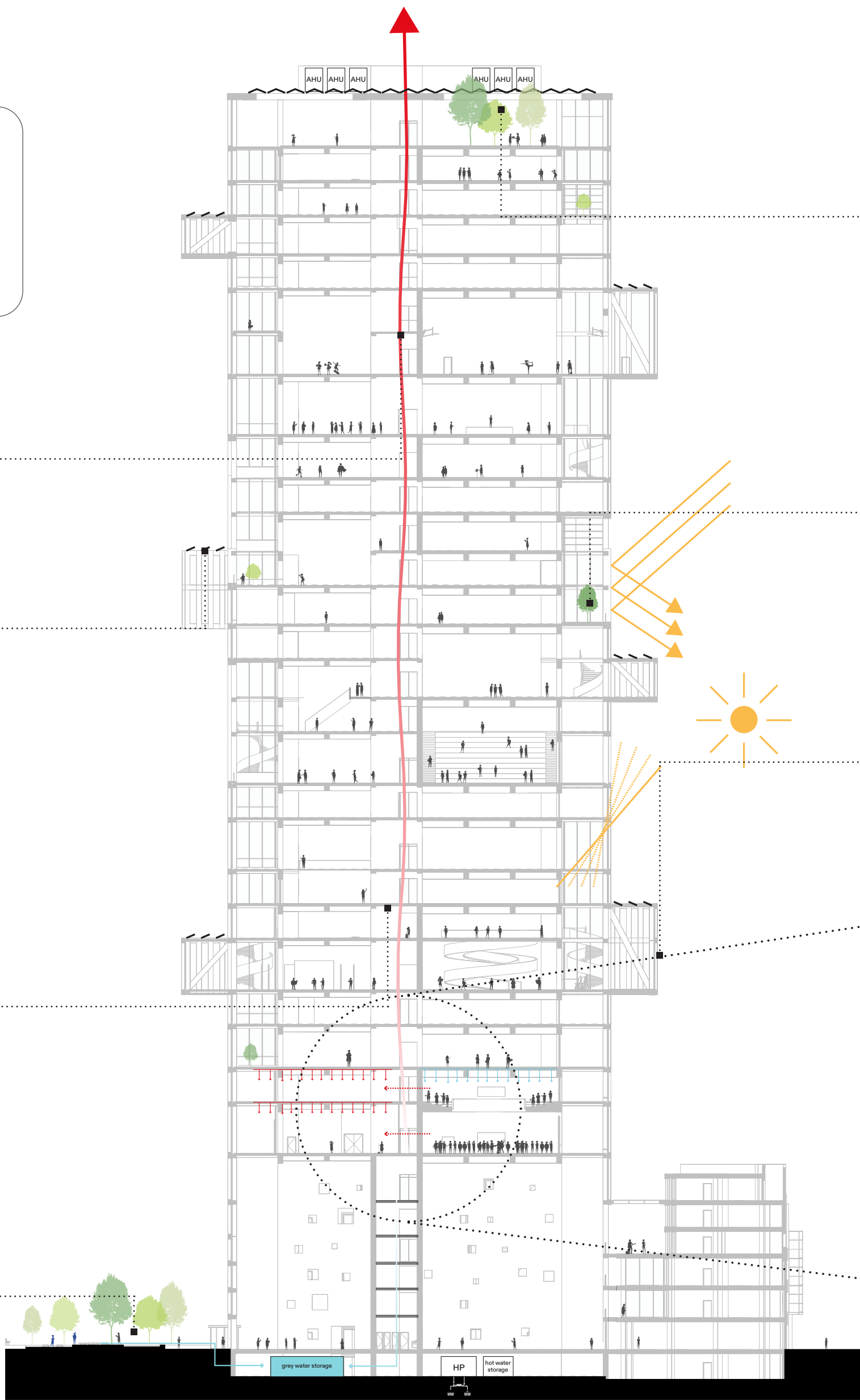
Local Renewable Energy

Sustainability - Construction + Materials



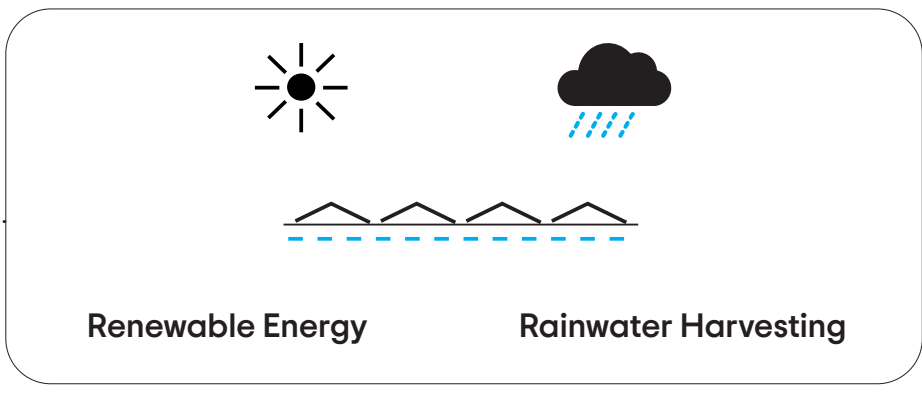
Optimization

Stormwater retention

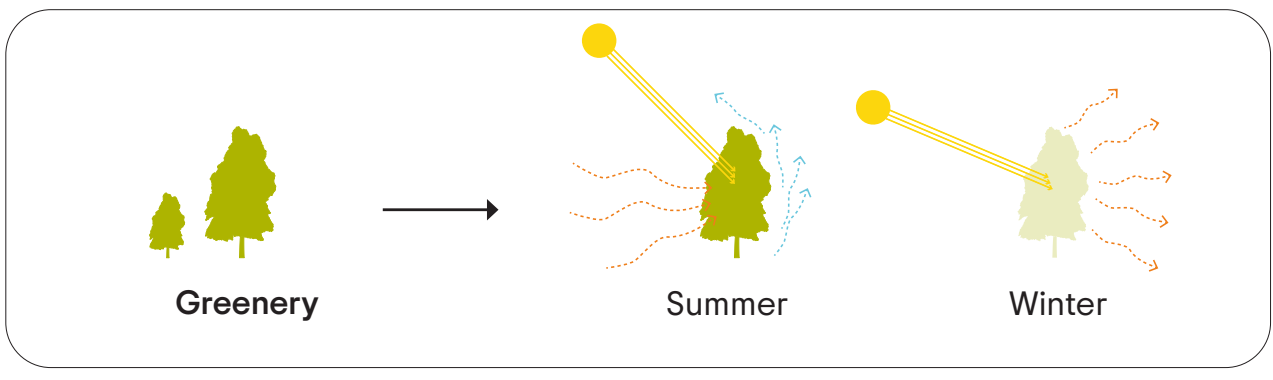


Sustainability concept

Optimization

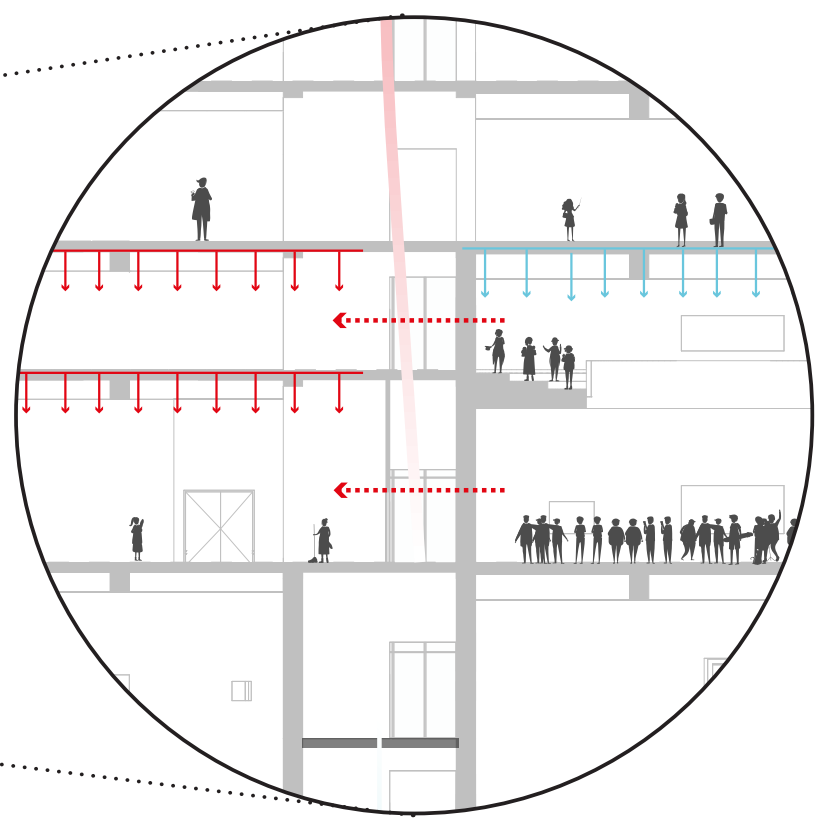


Sustainability



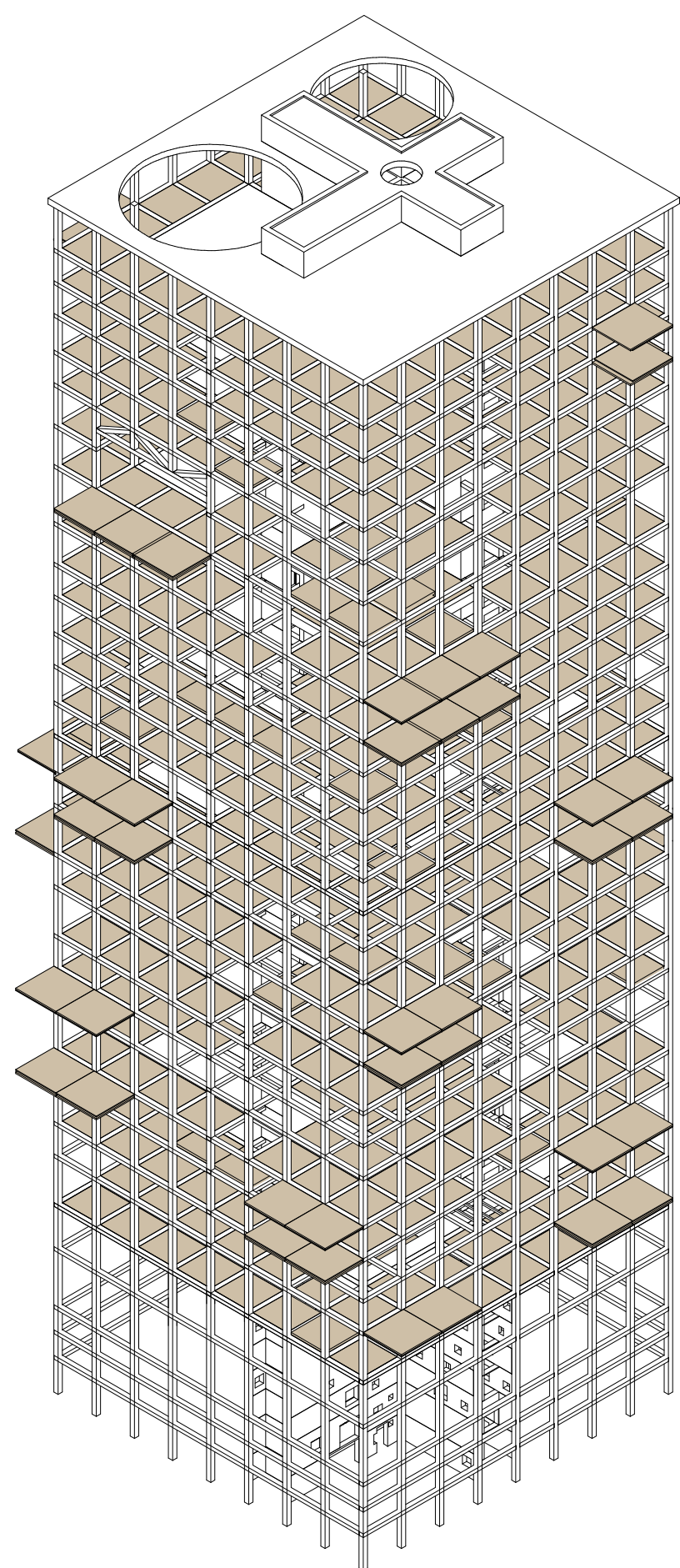
Optimization

Climate facade



Optimization

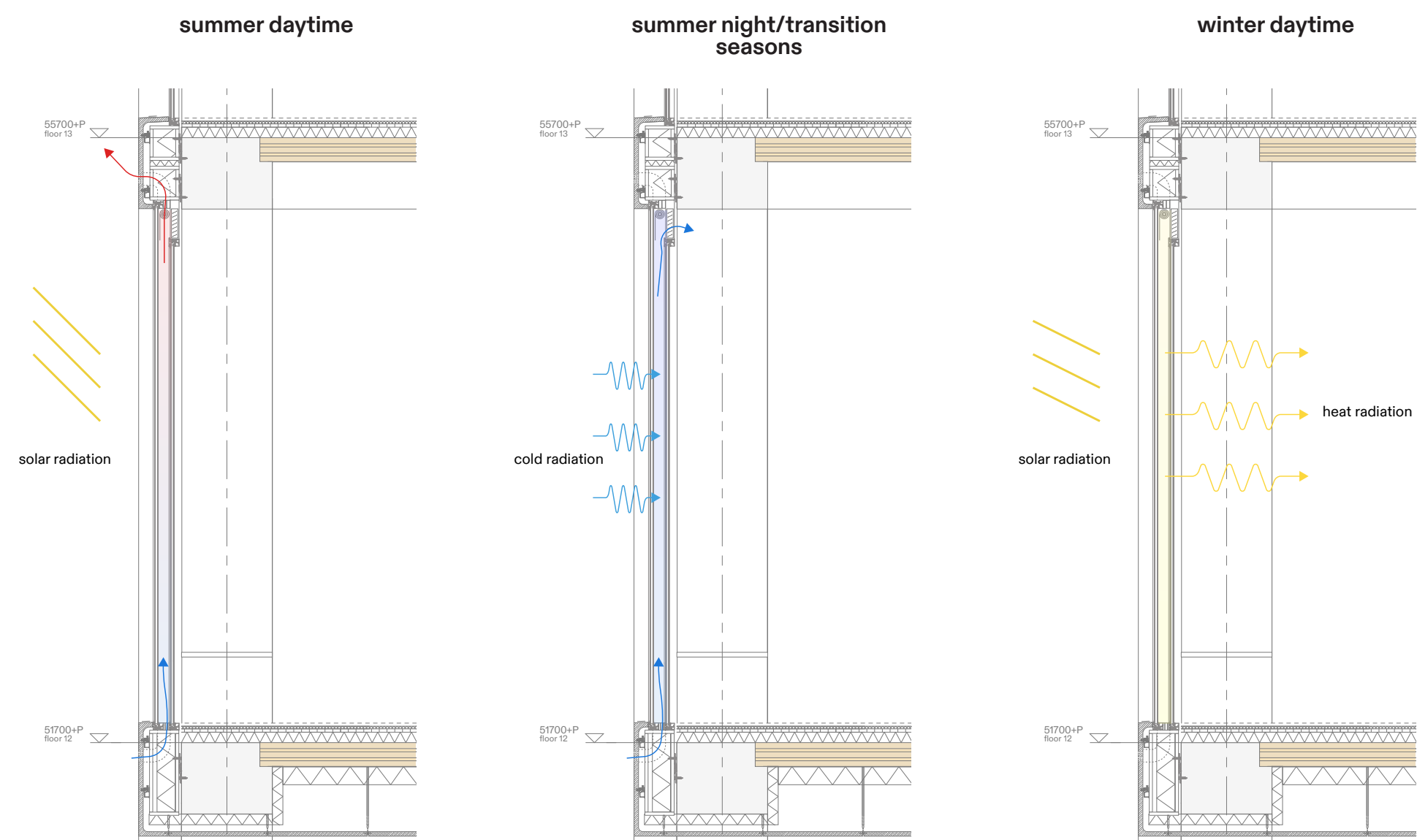
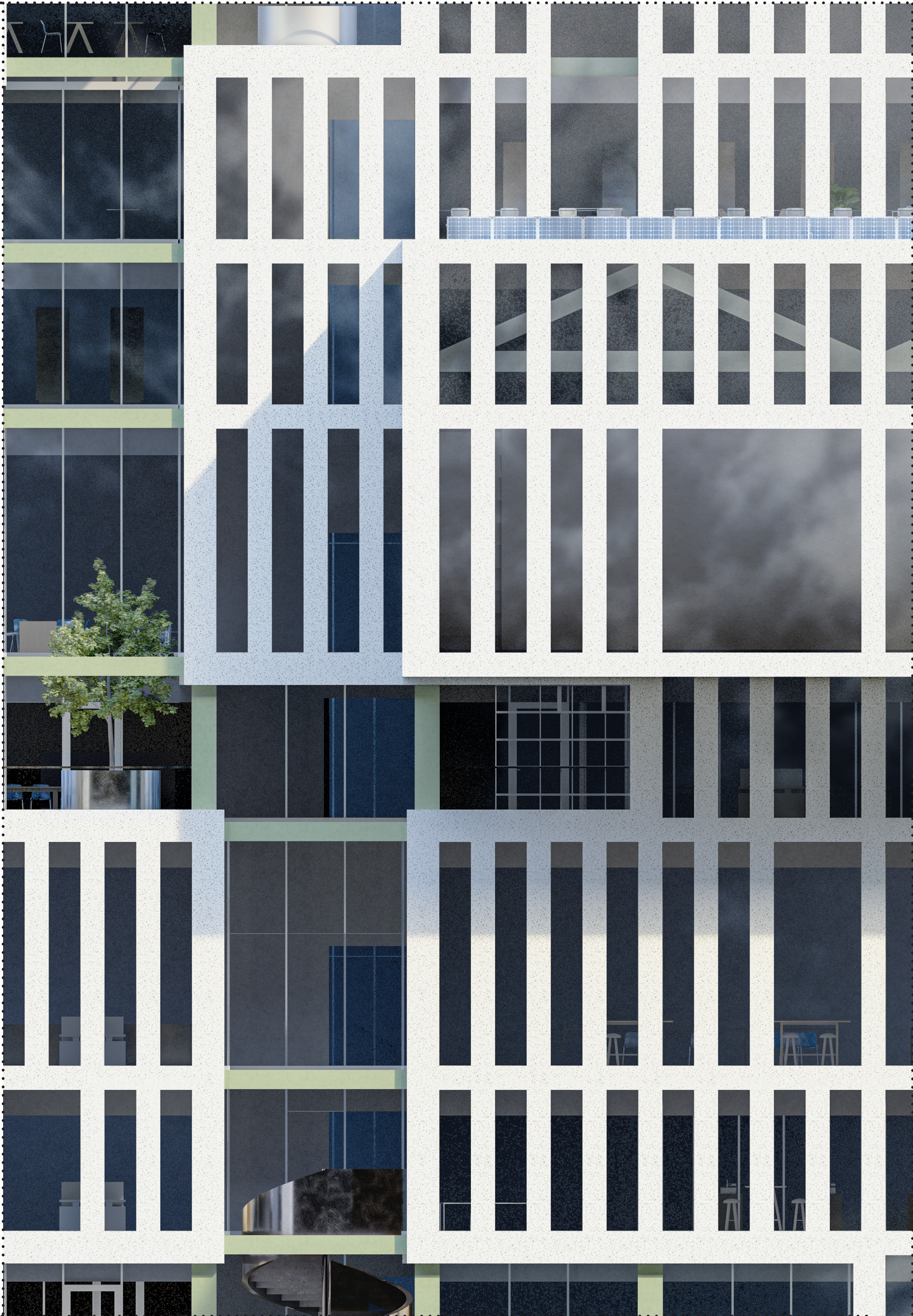
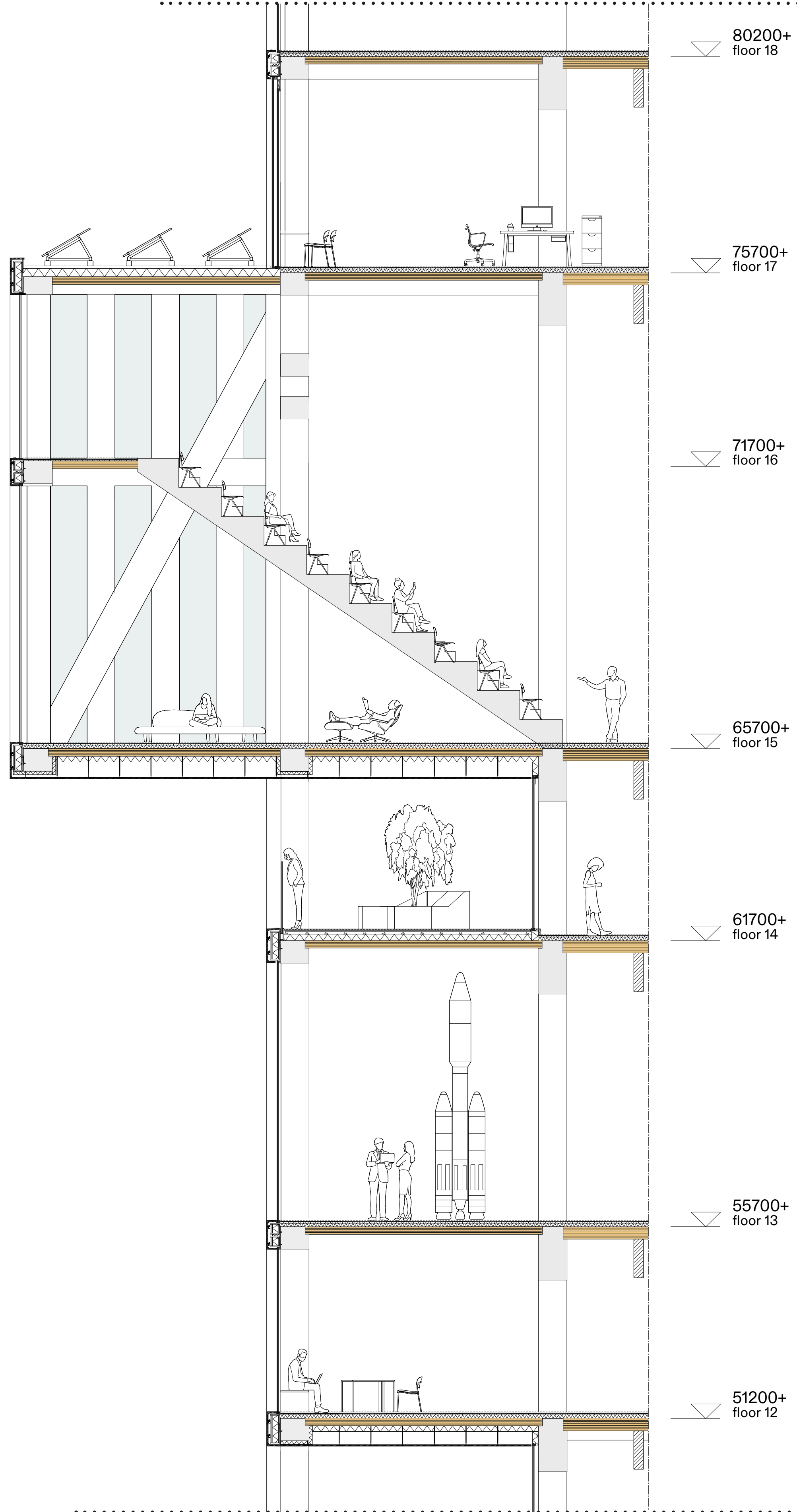
Ventilation optimization



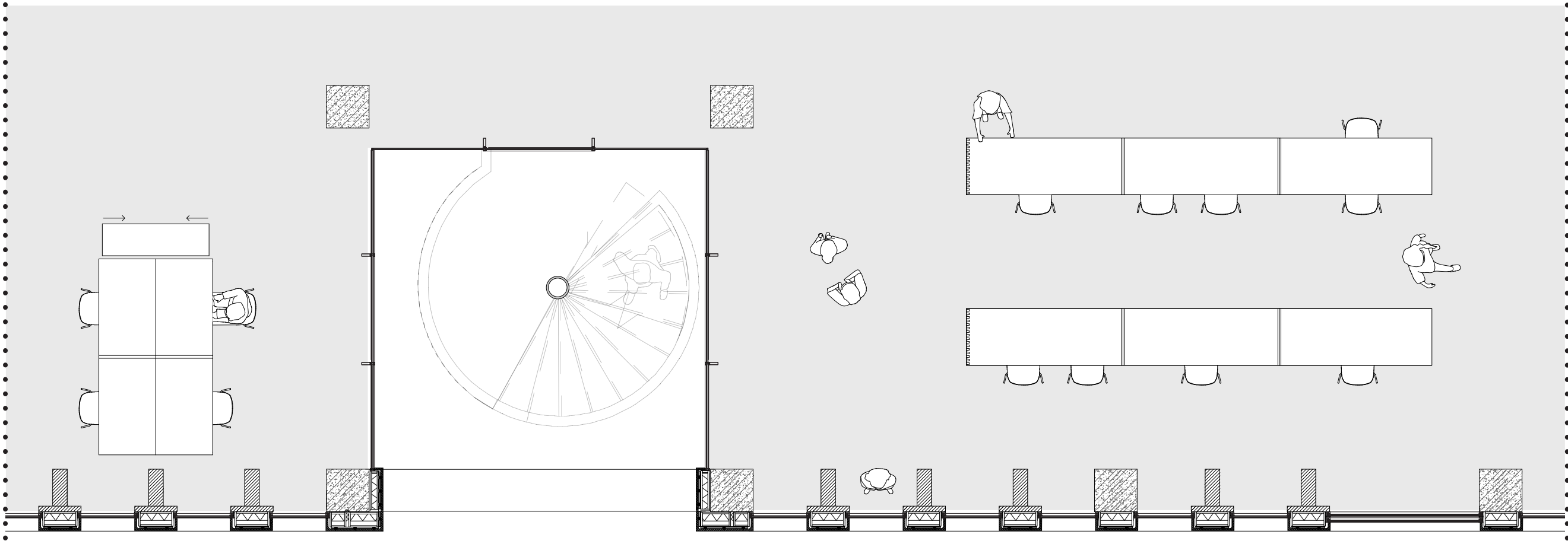
1 full concrete 2 concrete base + wooden infill

9.251.156,64 kg CO₂ eq → -2.071.129,44 kg CO₂ eq

Construction framework



Climate facade principle



Facade fragment

0 0,5 m