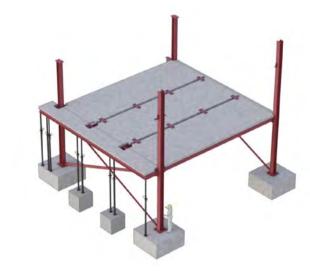




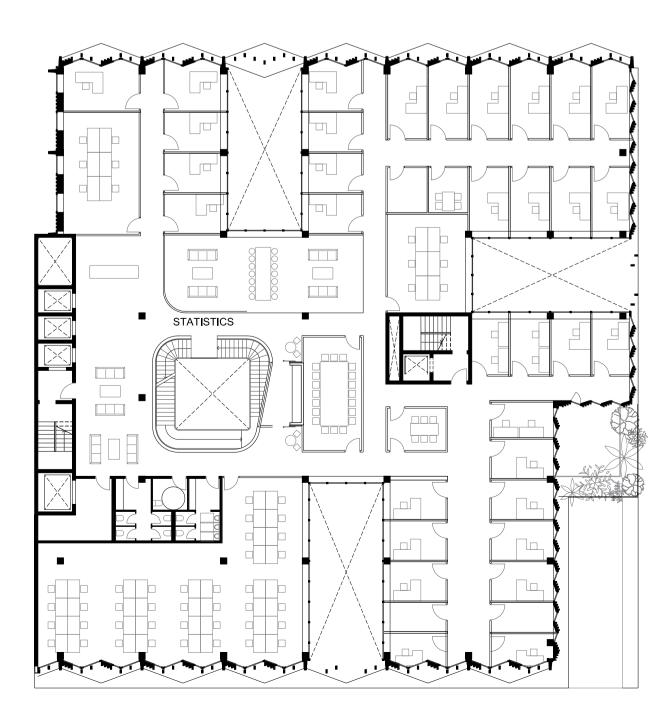
STEEL FRAME

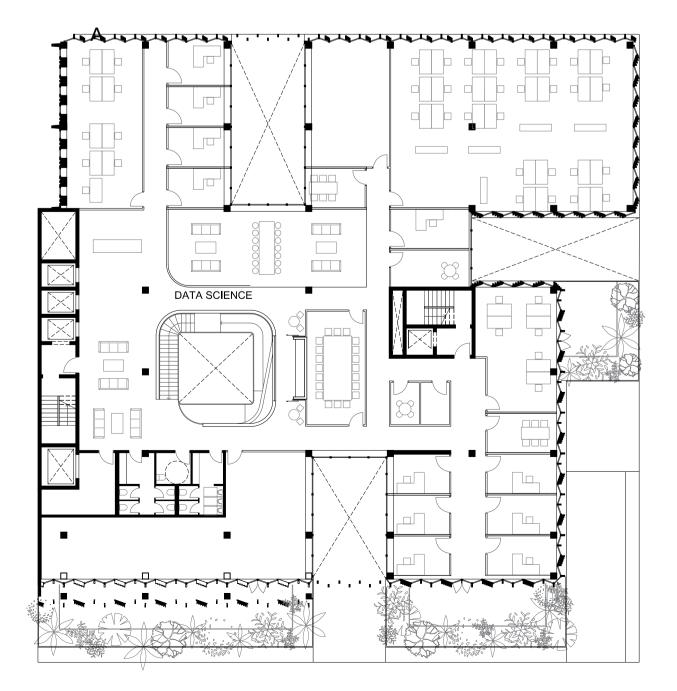
CASSETTE INSTALLATION



PONTENTIAL CANTILEVER ELEMENTS

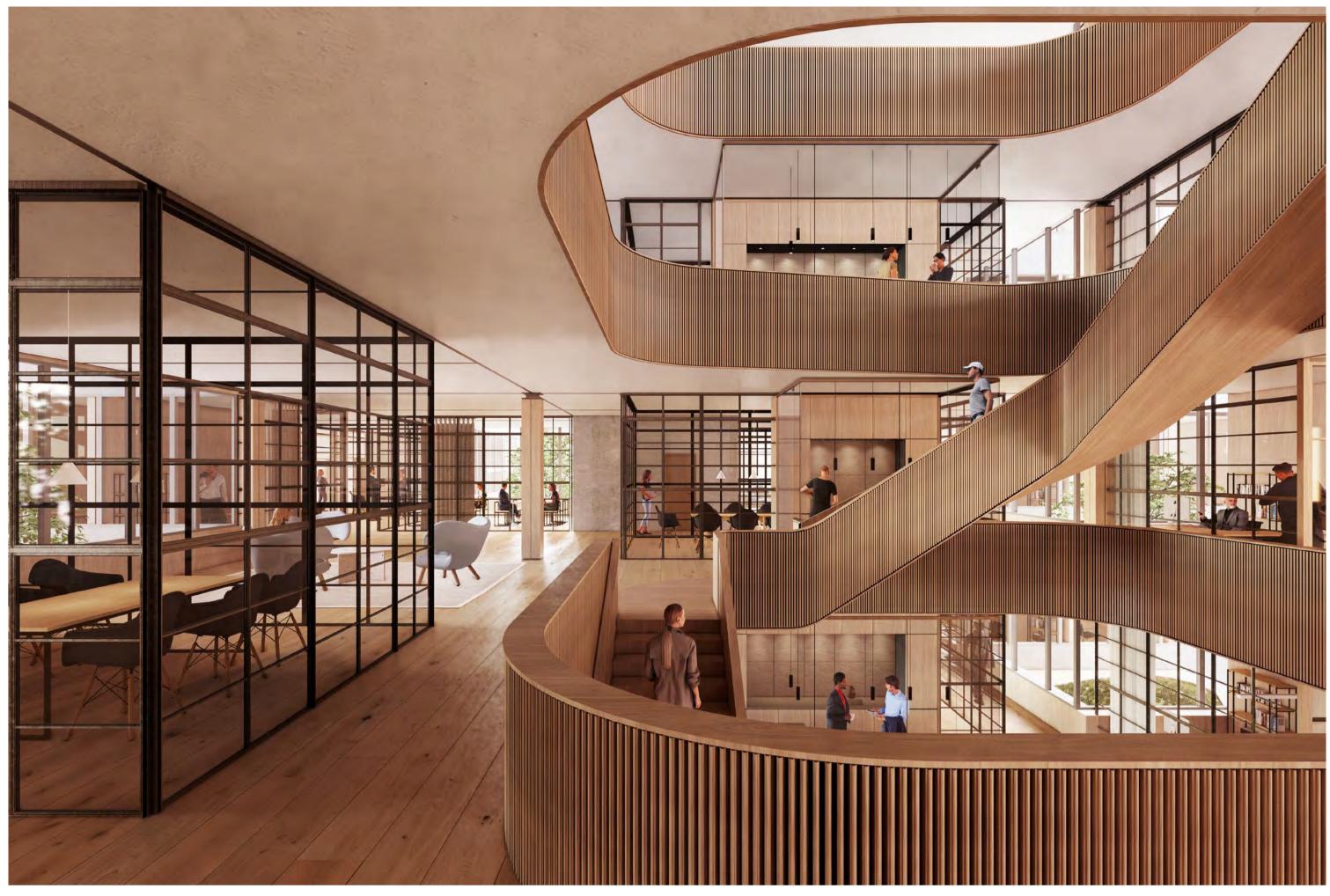
CASSETTE INSTALLATION





PLAN LEVEL 4 - 1:250

PLAN LEVEL 5 - 1:250



Air circulation is facilitated by MVHR units. Fresh ait is introduced at low level and is extracted at high level as it becomes excessively warm and stale.

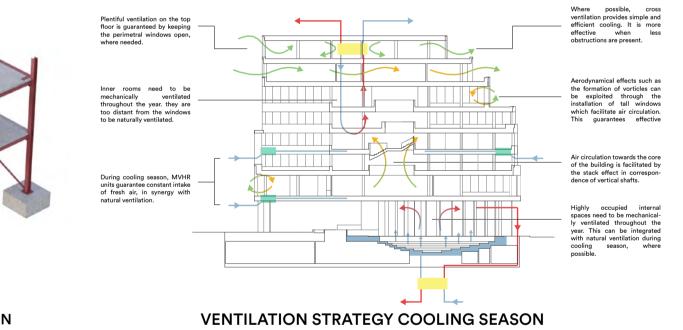
system guarantees comfort, air quality and effective circulation in highly occupied internal spaces.

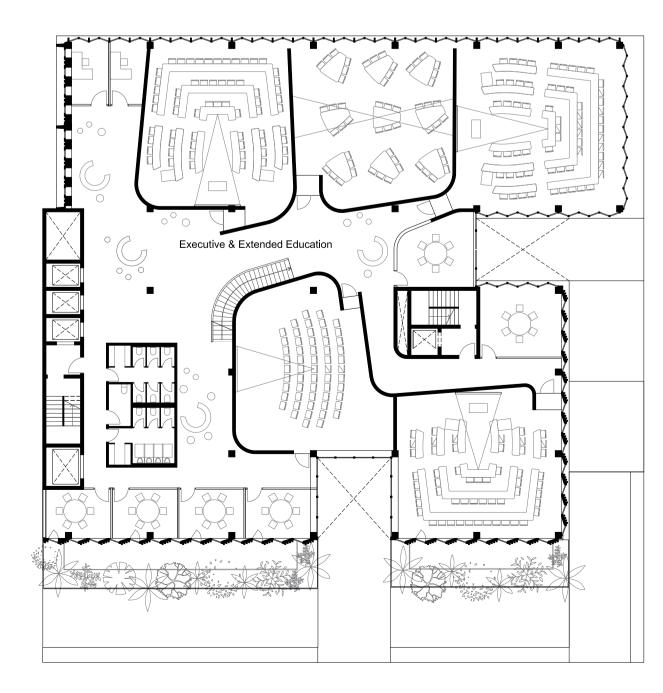
AHU in the basement feeds into displacement ventilation system for the agora.

↓

VENTILATION STRATEGY HEATING SEASON

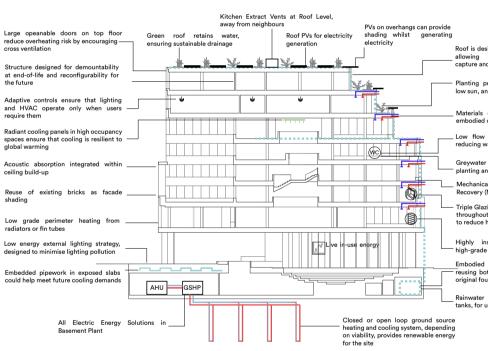
SECTION SCALE 1:250





AHU units on top of the building allow mechanical ventilation of inner rooms closer to the roof, minimising duct rungs and search

MVHR units guarantee constant exchange of air with outside allowing fresh air to circulate continously throughout office spaces next to the windows.



SUSTAINABILITY STRATEGY

allowing for emicient rainwater
capture and storage

Planting provides solar shading for
low sun, and protection from wind
Materials chosen based on a low
embodied carbon palette

Low flow toilets used throughout,
reducing water use
Greywater from sinks used to irrigate
planting and flush WCs
Mechanical Ventilation with Heat
Recovery (MVHR) at Office Levels

Triple Glazing could be used
throughout the facade
to reduce heat losses

Highly insulated envelope, from

Highly insulated envelope, from high-grade insulation in wall build-up Embodied Carbon is reduced by reusing both the basement level and original foundations Rainwater is stored in basement tanks, for use in WCs and for irrigation

