EXTENSION



$\mathbf{F} \; \mathbf{R} \; \mathbf{A} \; \mathbf{N} \; \mathbf{C} \; \mathbf{E}$

Paris (75)

Elevation of an Exceptional Building



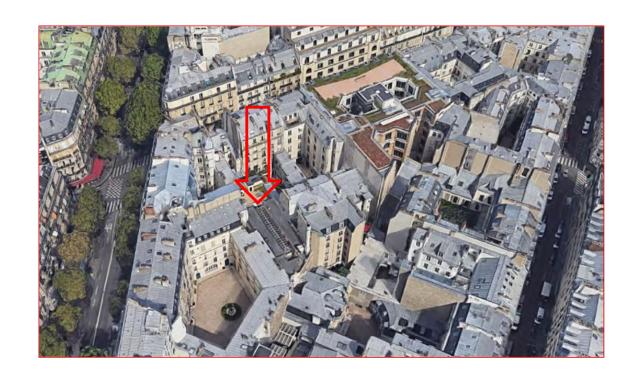


Vasserot and Bélanger Plan – 1830-1850 (source: Paris Archives – 2nd district – Champs-Élysées – Block 3 to 8 – 1/714 – F/31/74/03) – Orange plot



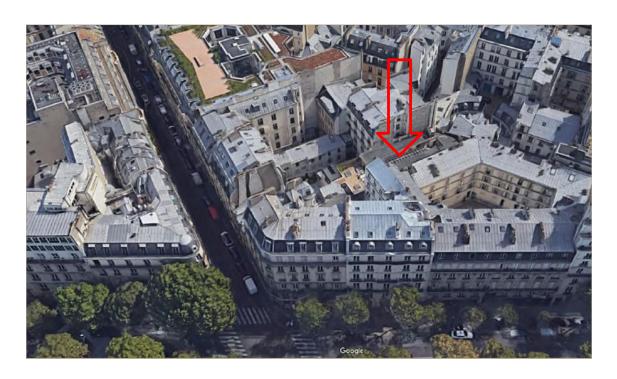
Municipal parcel plan of Paris – late 19th century (source: Paris Archives – 30th district – Fbrg du Roule – 30th sheet – 1/500 – PP/11902/C)

Vues aériennes

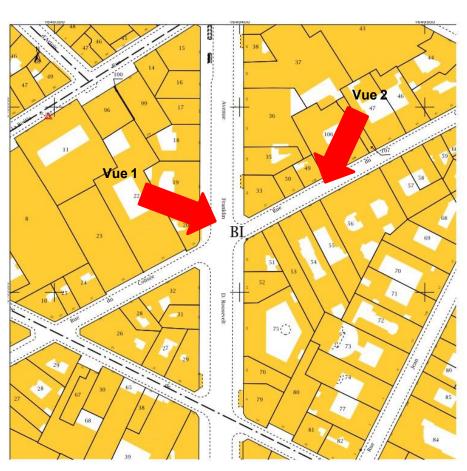








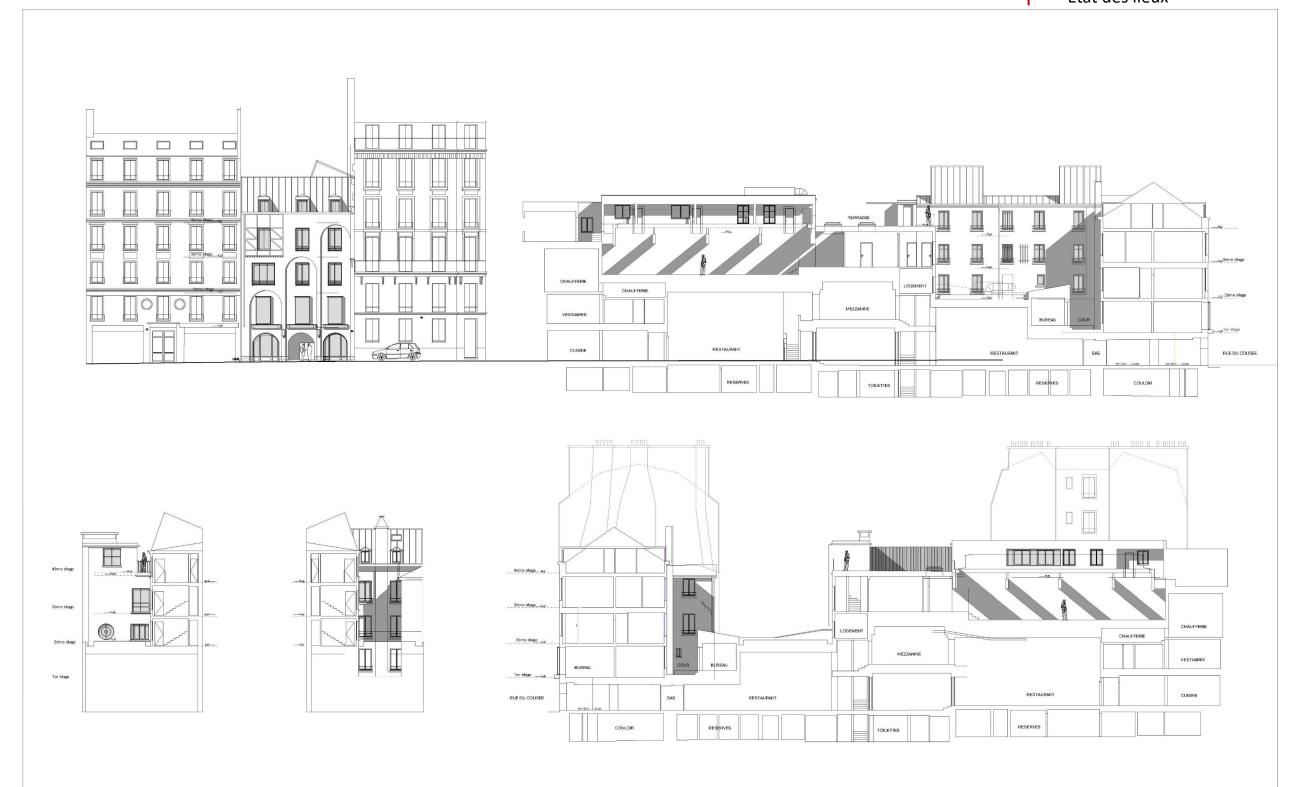




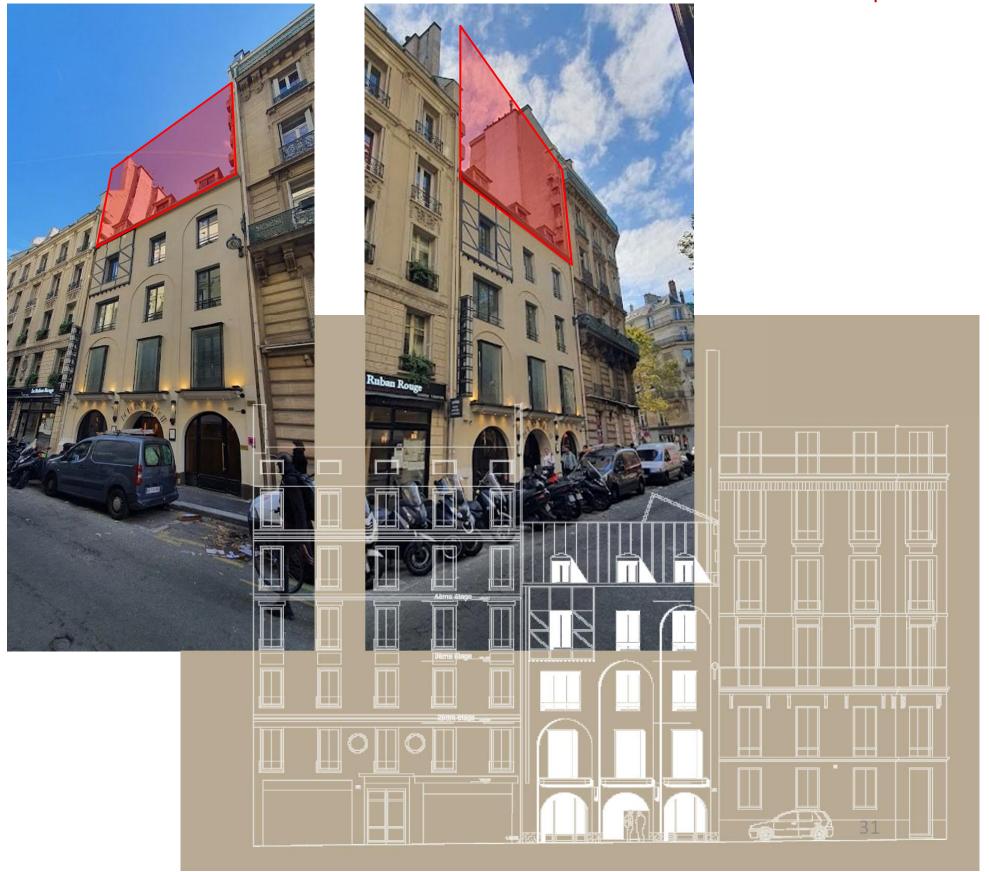


Vue 2

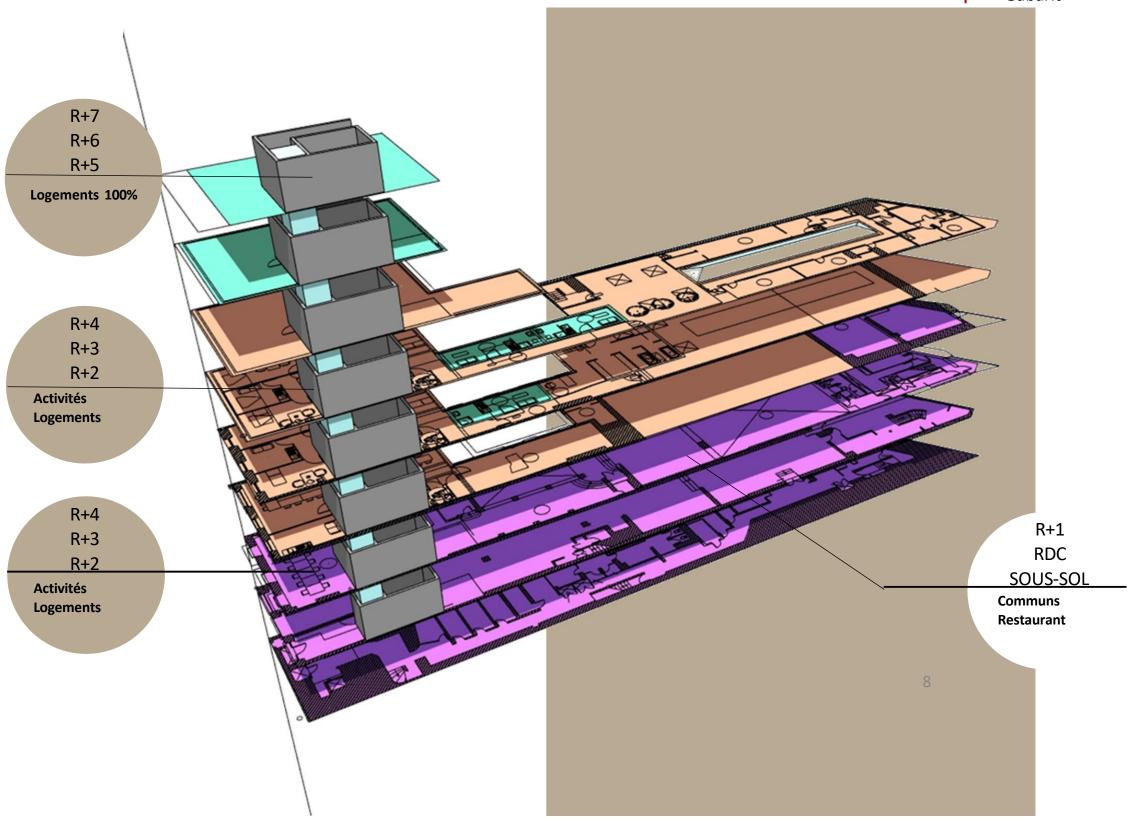
Etat des lieux



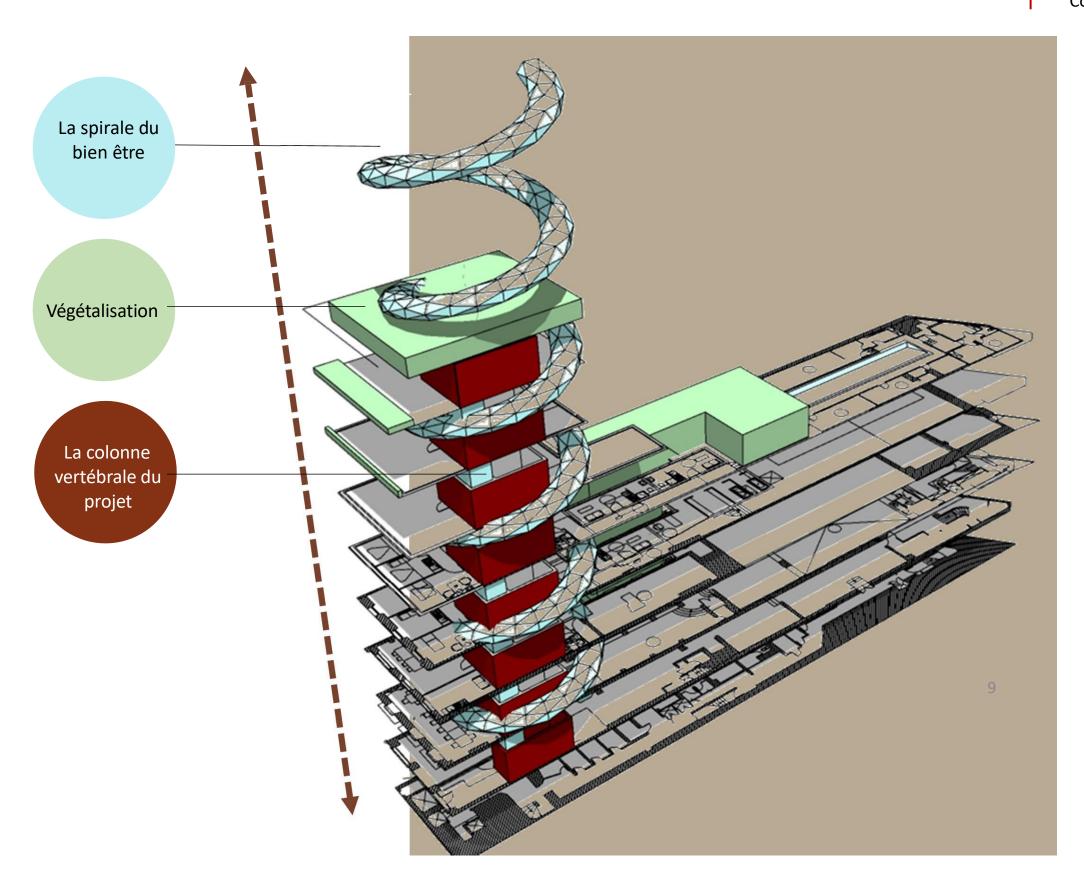
Gabarit



Gabarit



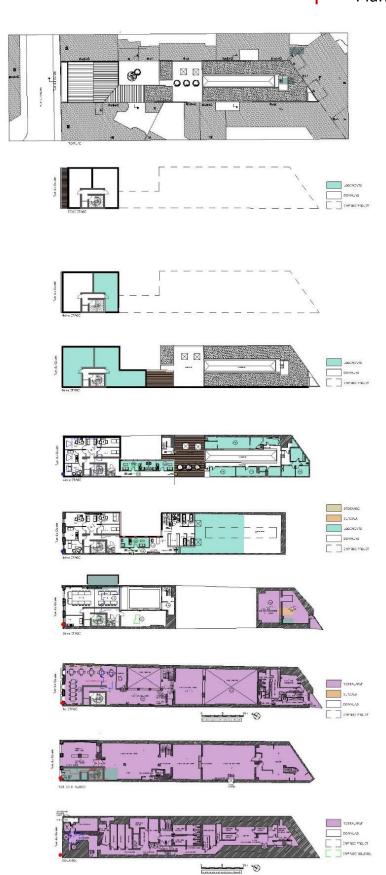
Concept



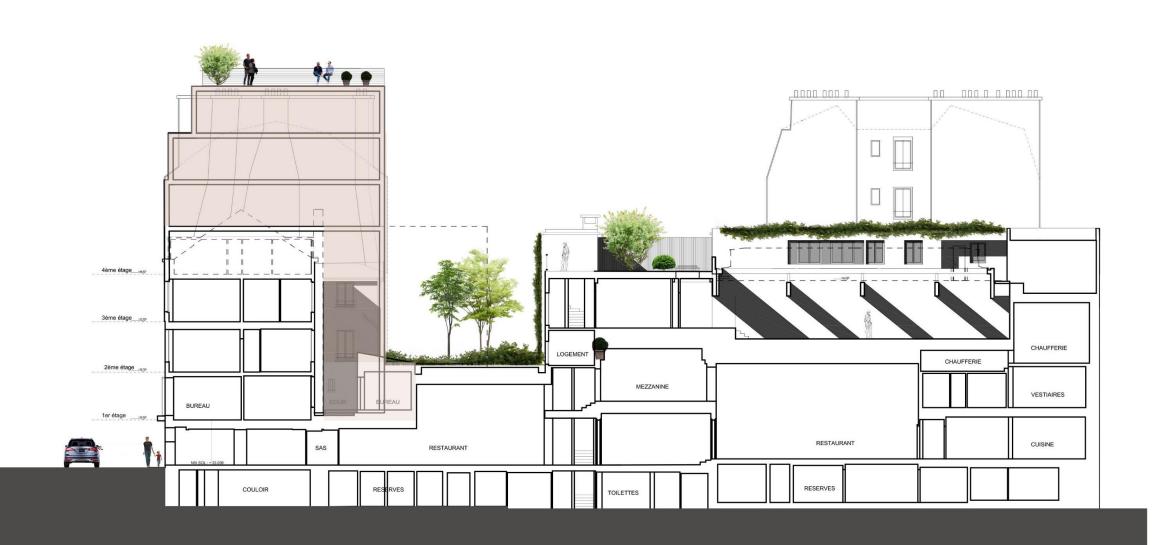
Etude de faisabilité

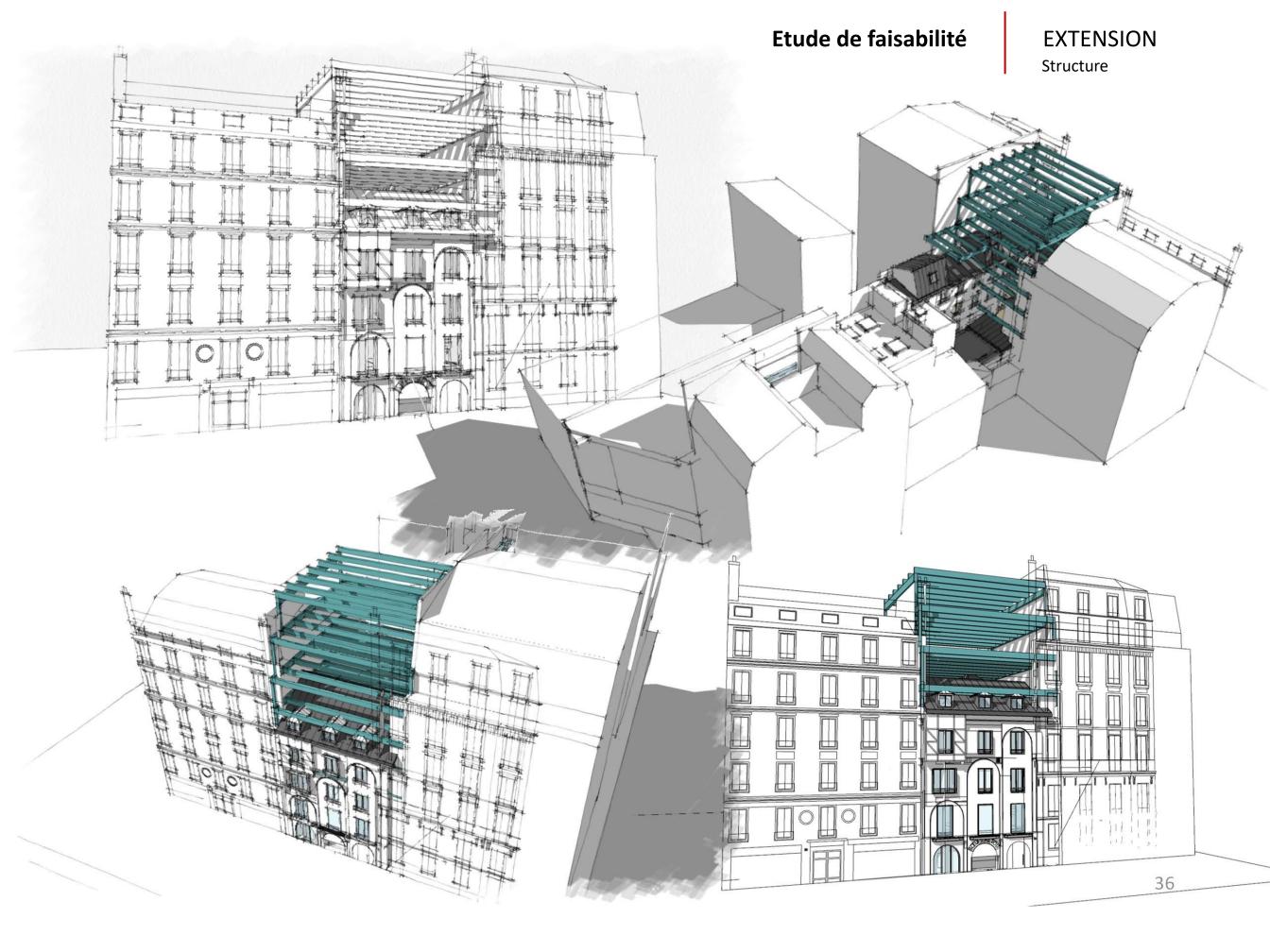
EXTENSION

Plans



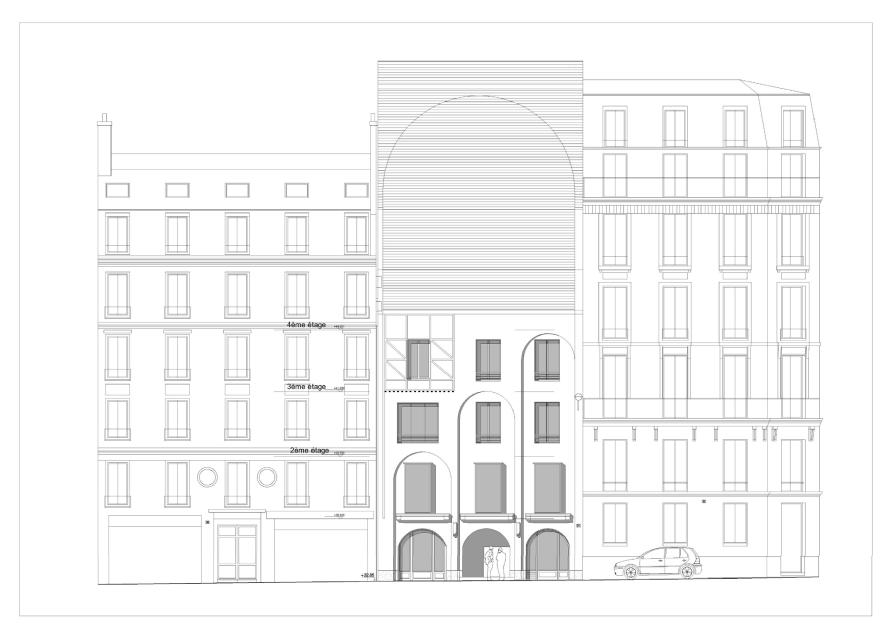






EXTENSION

Patrimoine







Etude de faisabilité

EXTENSION

Nature



saturation of drainage systems and lowering flood risks.

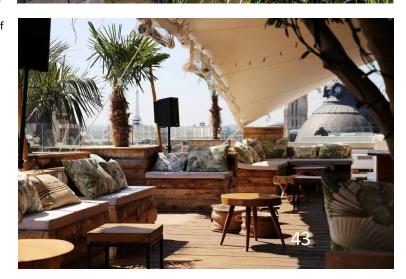
2.Improvement of the urban environment: increased presence of vegetation in the city. 3.Biodiversity development: vegetated areas provide refuge, resting, feeding, and breeding spaces for wildlife.

4.Improvement of insulation and thermal inertia on the top floors of buildings in the case of

5. Sound insulation: reduction of airborne noise for semi-intensive to intensive green roofs and vegetated walls.

6.Ambient temperature regulation: air is cooled and humidified through evapotranspiration, helping to mitigate urban heat island effects.

7. Air quality improvement: absorption of suspended particles such as dust and pollutants (NOx, SO₂...), and protection of roof waterproofing.



Etude de faisabilité

EXTENSION

Mur Jungle

Mur de plantes

Nature



Equipement à réintégrer

Some plants improve air quality by absorbing chemical pollutants like formaldehydes or benzenes found indoors. Plants in a green wall filter fine airborne particles and

The exterior green wall naturally insulates through its layered composition (structure, substrate, and plants) and the air gap between the green wall and the support wall, which acts as insulation. Green walls act as a second skin, protecting the building from sunlight in summer and retaining heat in winter. Plants absorb sunlight, creating a cooler and more pleasant climate. They also help mitigate urban heat islands,

During photosynthesis, the natural plants in the green wall regulate the humidity of their environment.

4. Reduction of indoor and outdoor noise:

Through multiple layers (plants, substrate, and modules), green walls partially absorb sound vibrations and reduce noise, functioning as natural acoustic insulation.

5.Enhanced well-being:

Living and working in a green environment positively affects human well-being. A green setting relaxes and reduces stress.

6.Eco-friendly natural decoration:

A green wall is made of living plants. Due to its CO2 absorption capacity and health benefits, it aligns perfectly with the growing ecological trend.

