

CS938

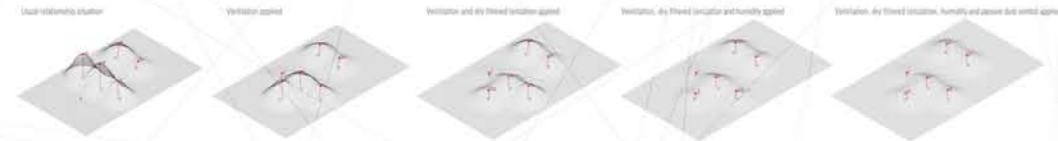
Strategies for a healthy building

The health and comfort of the city and the most important of them is the quality of the air quality in the urban spaces and the most important of them is the quality of the air quality in the urban spaces...

- 1. Healthy air quality
- 2. Comfort ventilation
- 3. Healthy climate
- 4. Proper temperature
- 5. Comfort illumination
- 6. Removal of the waste and

Therefore, we suggest a filter which is able to purify the air, negative on generated in the air that comes from the human body...

Health measurement mesh



Concrete filter

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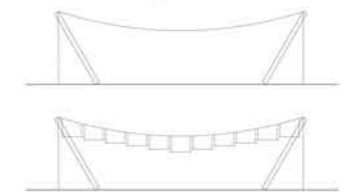
Application for a healthy city

We propose a concrete filter for the city. The filter is an object in a city scale. The filter is generated by concrete, masonry, etc. in the corners of the city...



Concrete filter

Structural diagram



Kind of panels

We design three different kind panels and make different window panels. The panels are made of concrete with low different perforated meshes...

Wall panels (1.2 x 0.9 m)

The first kind of wall panel is a high level of filtering. In this case the incoming light and air are filtered in a high level...



Key references

We refer to the key references in the design process. The key references are the key references in the design process...

On the other hand the same effect is used to filter the air through a concrete mesh...

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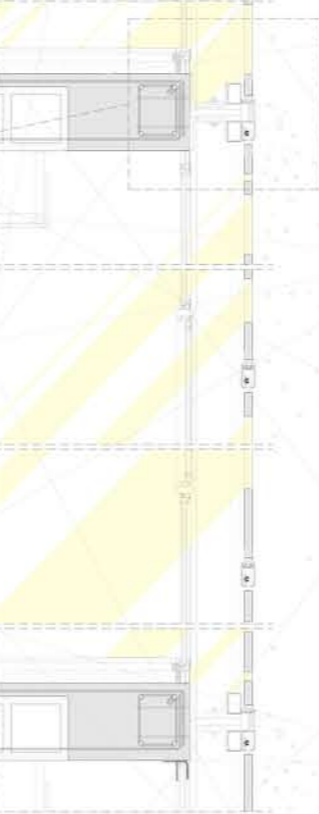
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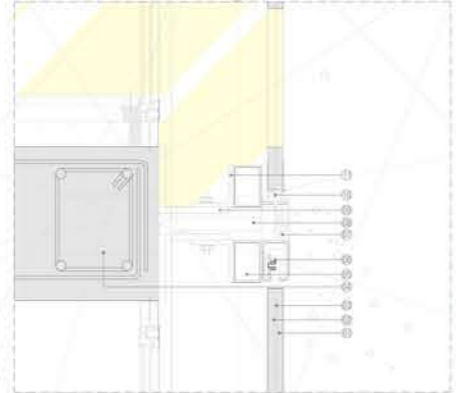
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Vertical section a.v/s



Construction details a.v/s



Horizontal section a.v/s



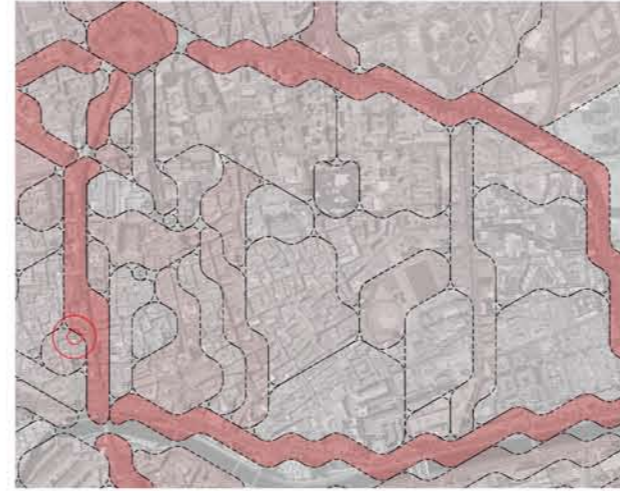
Construction process



Practical application of the panels for a facade

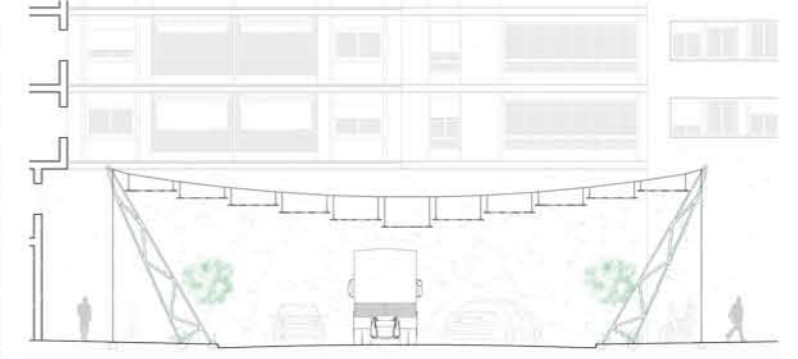


Murcia energetic map



The new energetic zones showing some particular areas. Energy measured through north, particular area, street, illumination and noise.

Vertical street section



Floor plan of the street

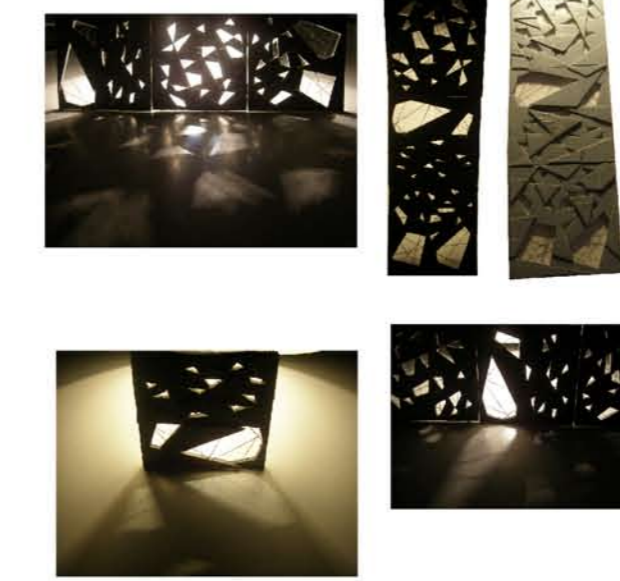
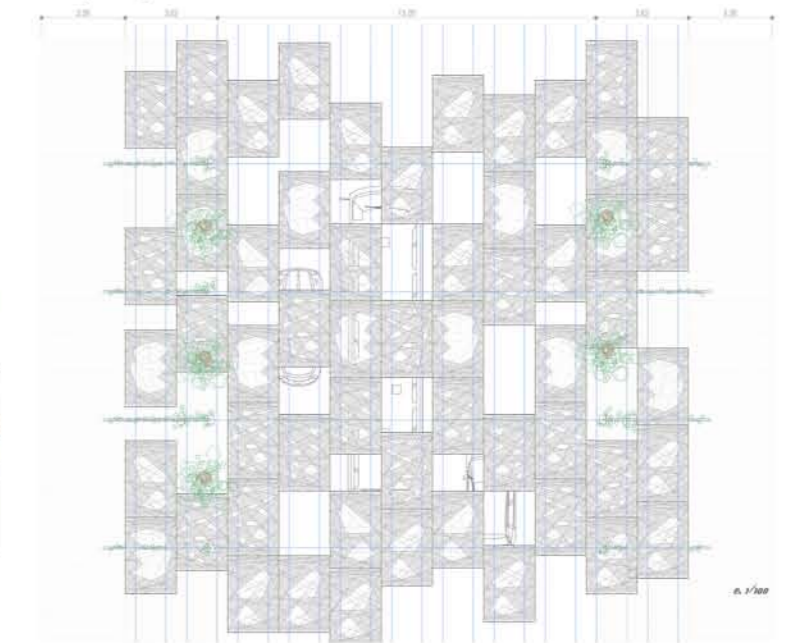


Image 1 of the city deck



Image 2 of the city deck



Implicit performance

Exploring the hybrid condition 1

Implicit performance

Exploring the hybrid condition 2