



marinelli system®
Vertical Green

 **Fils**

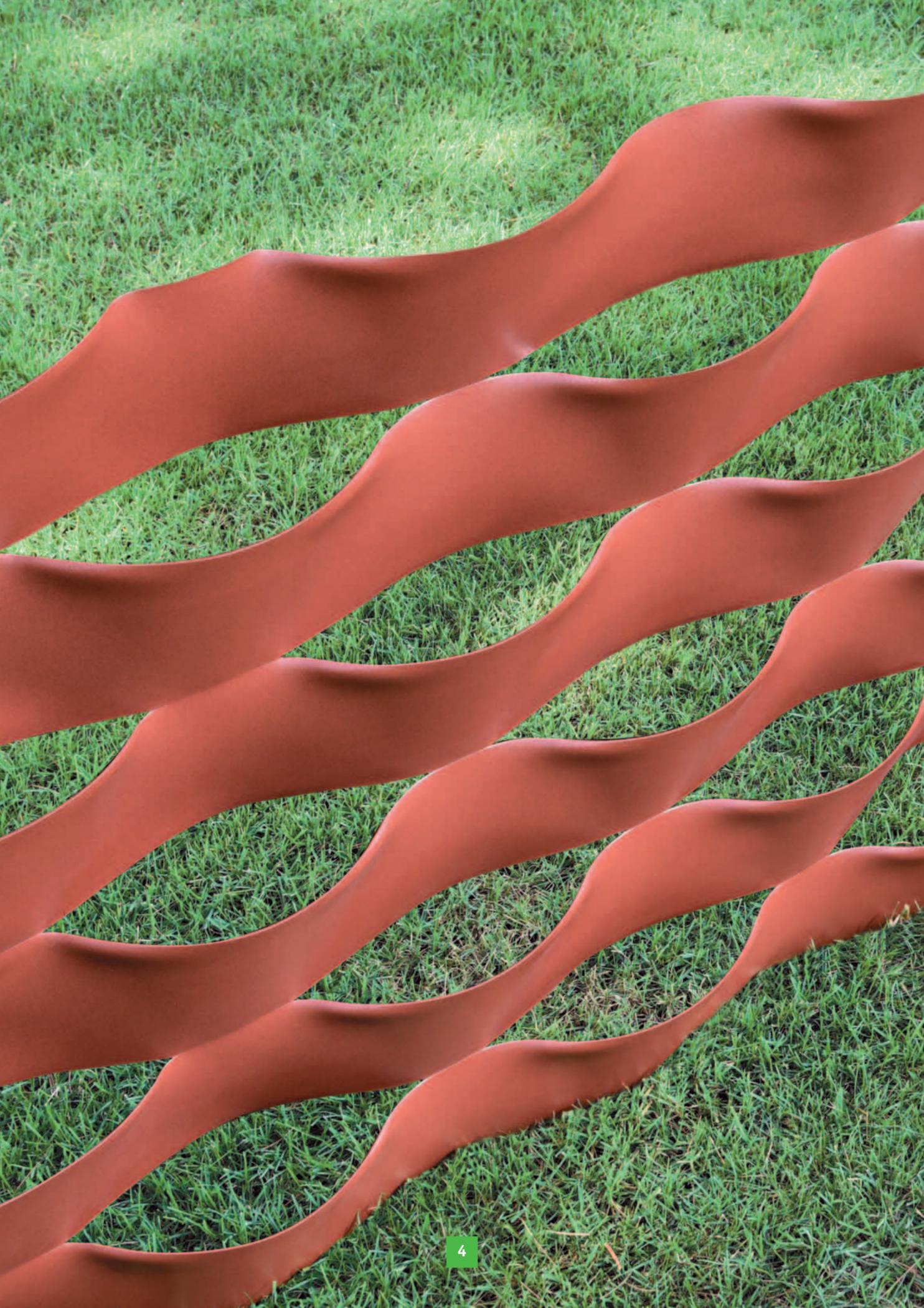
Dedicated to nature



Nature teaches us how to make the most of every resource. Even a single shoot emerging from a small cavity on a tree trunk can inspire us.

Small strips of soil placed in the recesses within FILS expanded mesh house the roots, just as in nature, where seeds manage to germinate and grow into plants anywhere.

This publication is dedicated to the Marinelli System project.



Modern-day needs

We need nature for our well-being. The open air, the colour of flowers, the fragrance and aromas of plants are all too often sacrificed in the city.

We can, however, provide new areas for plant life by using innovative vertical containers to recreate a natural environment.

As the photo below shows, we can plant shrubs in carefully prepared soil in the ELLISSE expanded mesh.



Open-air research and development

The Marinelli System solution was conceived by the architect Sergio Marinelli, passionate about “green” architecture.

After observing the geometry and special characteristics of ELLISSE expanded mesh, he came up with an easy, modular “vertical green” system that is perfect for even the smallest of spaces.

In the photos of the “en plein air” laboratory are shown the many trials of this new system (patent pending).

“Containers” are formed by ELLISSE expanded mesh (ULTRA LIMITES - FILS) filled with the perfect subsoil needed by various types of plants to meet the needs and “tastes” in colour and fragrance.





Living surfaces

The Marinelli System wall fits well into the natural landscape. Where there is no natural green, Marinelli System recreates it.



Restoring "green"

The essential lines of the terrace are enlivened and enhanced by a pleasing colourful corner of plants.





Elegance and privacy

Functional outdoor fittings that separate spaces with great style and elegance. And also extremely practical.





Bringing people closer to nature

The Marinelli System solution is conceived to create a “vertical garden”, where the soil is gradually added from above. Each aperture in the ELLISSE mesh forms a small natural recess where roots can grow.

Cultivate the passion for gardening in even the smallest of spaces! Combine different plant forms and your favourite colours, in contact with nature.





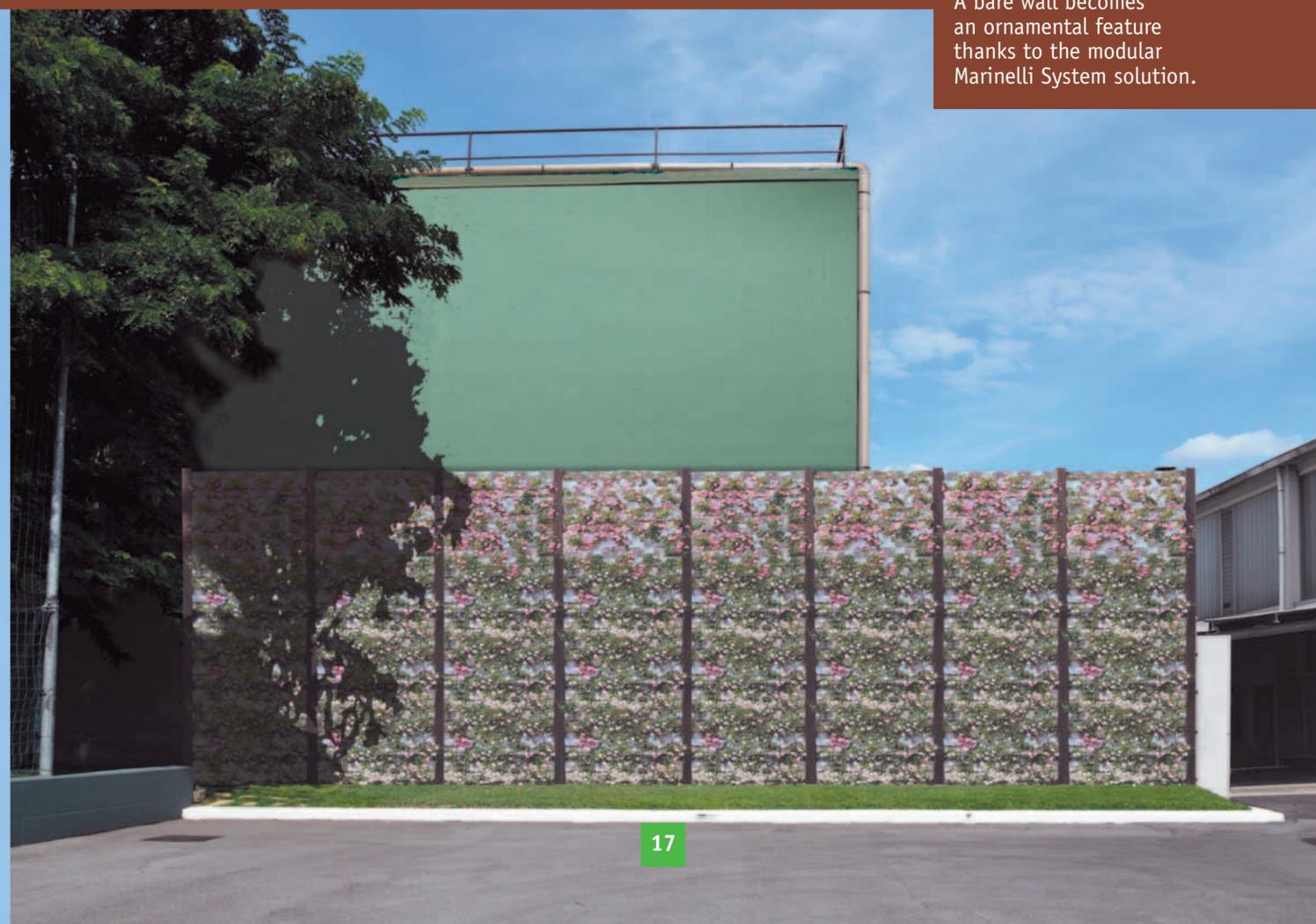
Environmental restyling

Breathe new life into balconies with innovative floral balustrades. Enjoy the beauty and fragrance of flowers every day and every season.



Urban upgrading

Not just to “hide”, but also to “enhance”. A bare wall becomes an ornamental feature thanks to the modular Marinelli System solution.

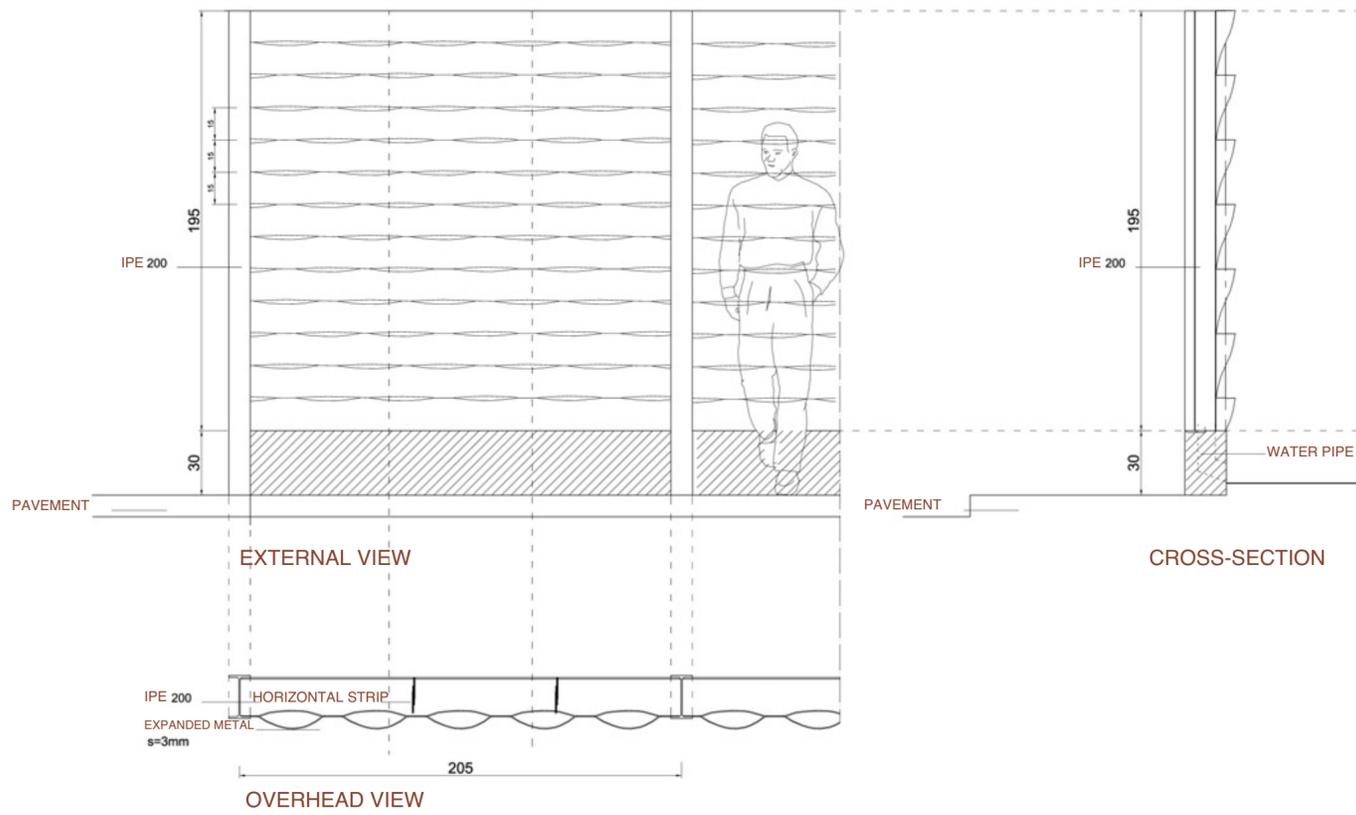




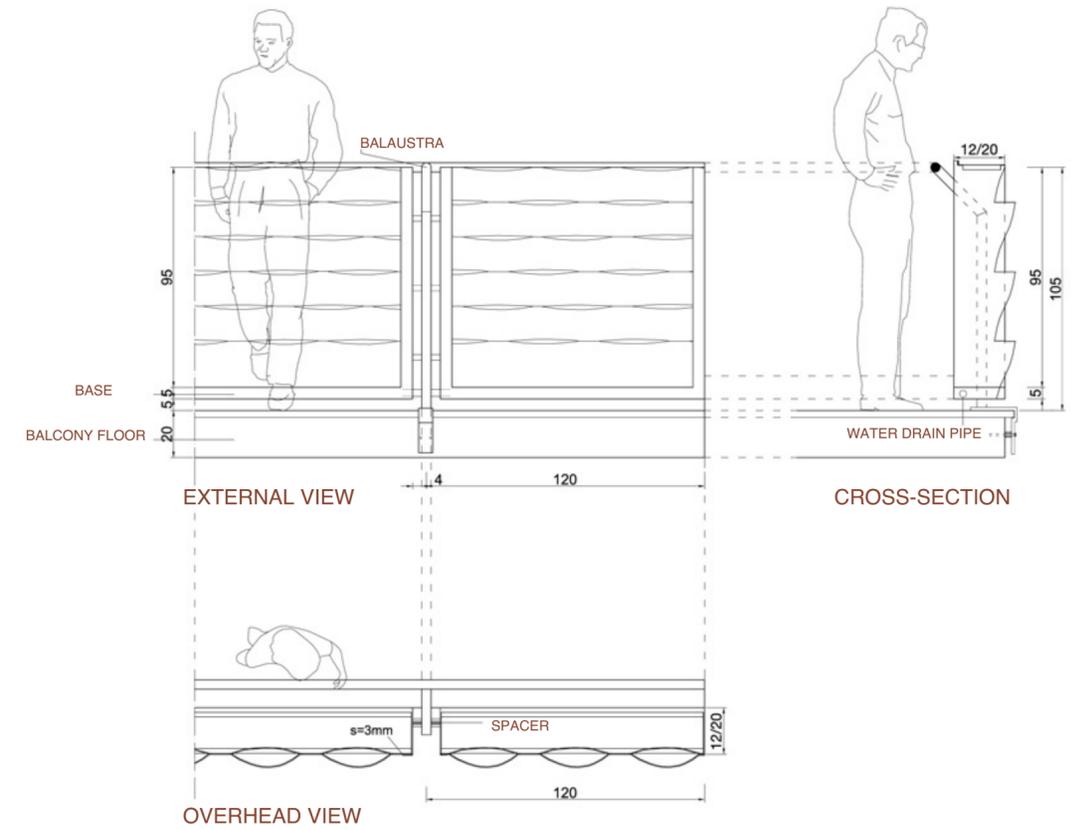
More than just a hedge...

Turn railings into an attractive outside area to welcome people.
Create a pleasing view from inside, whilst still offering protection and enclosure.

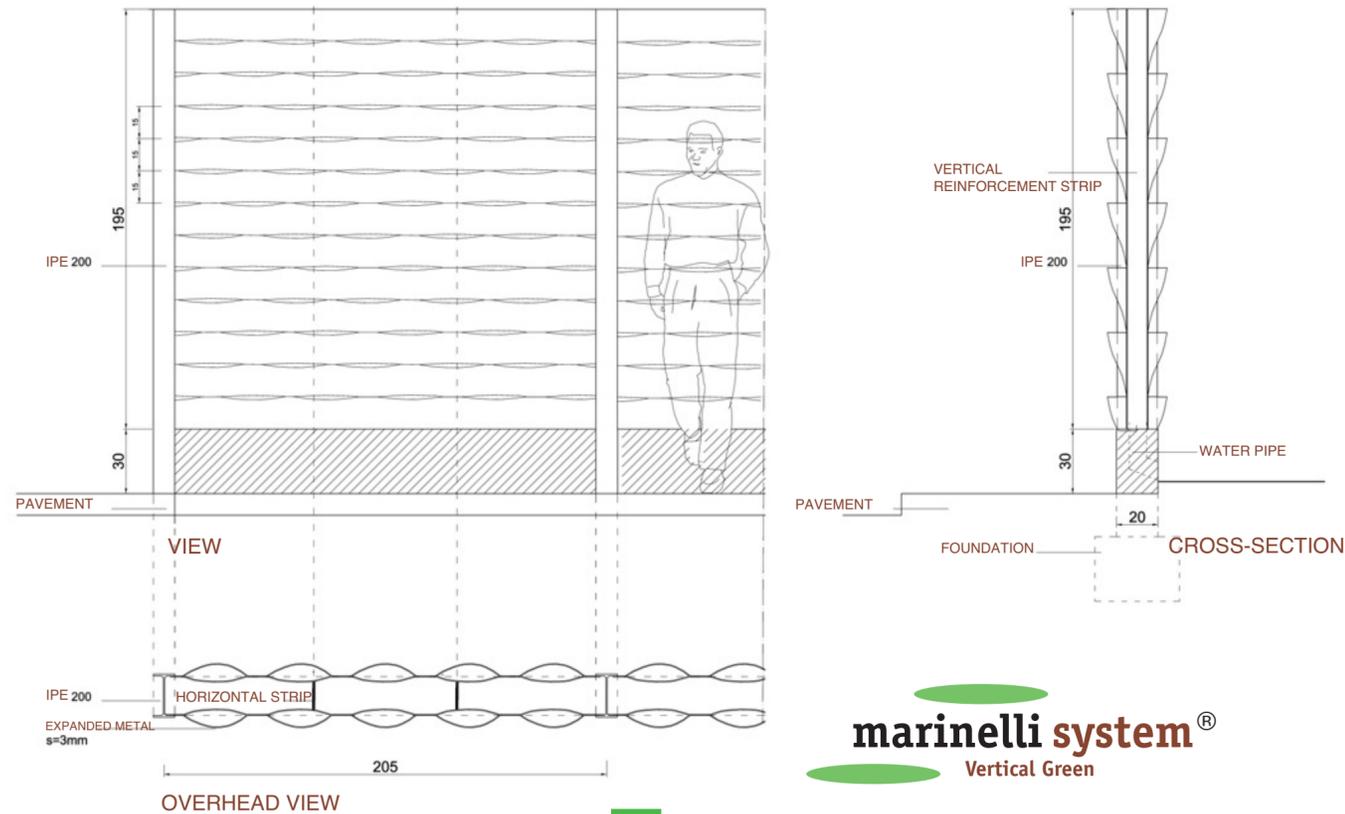
Single-façade aluminium panel fencing, painted



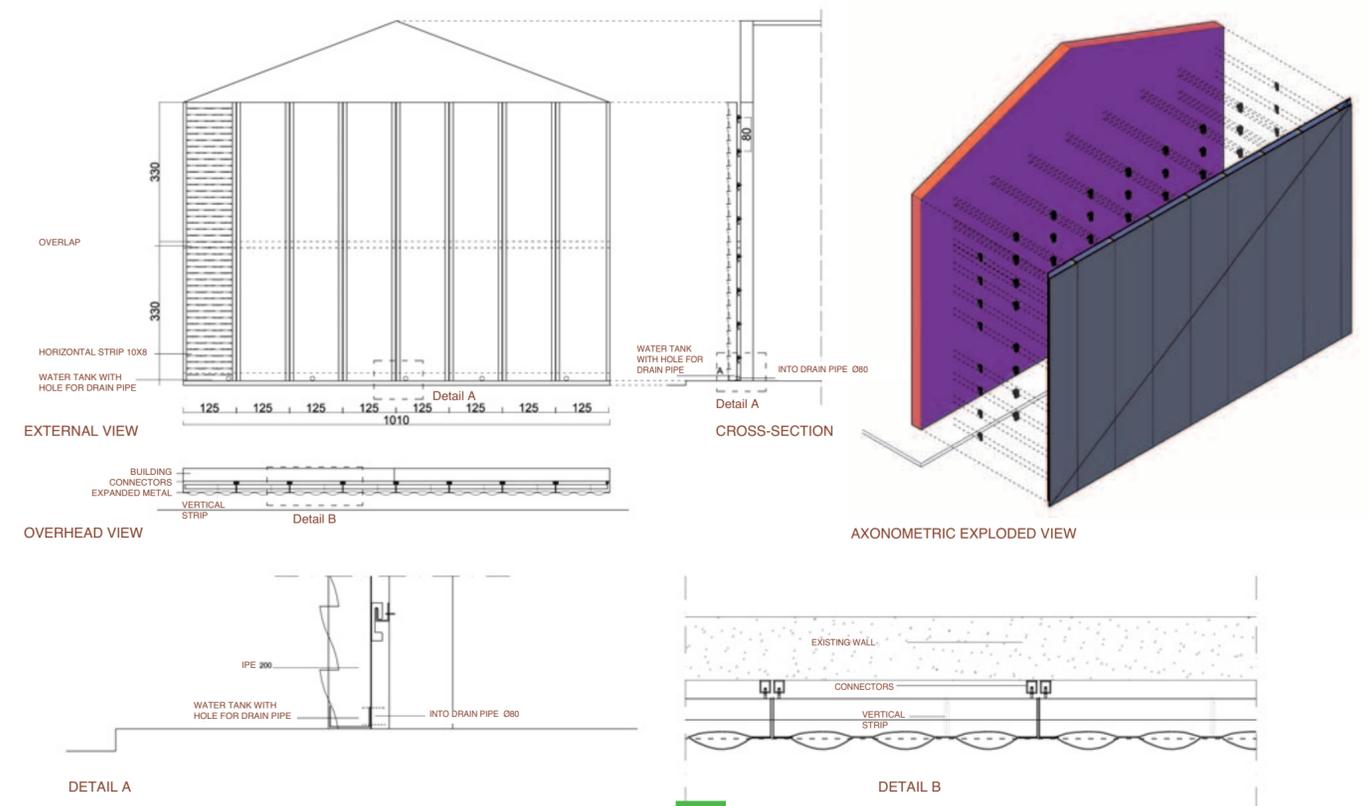
Floral balustrade for balconies
Sendzimir carbon steel panels, painted or aluminium panels, painted



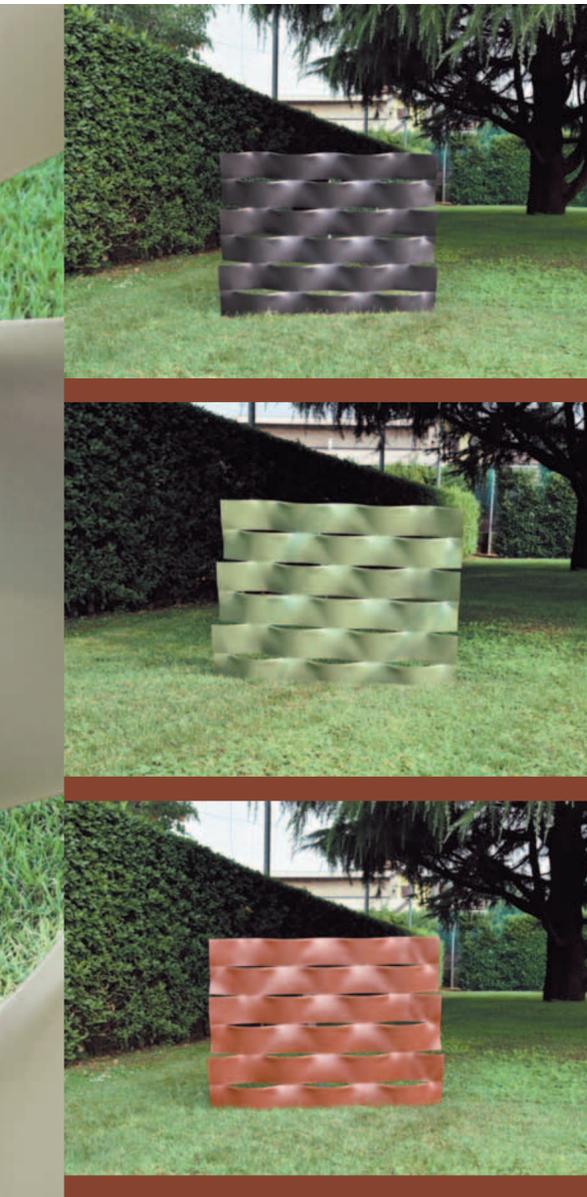
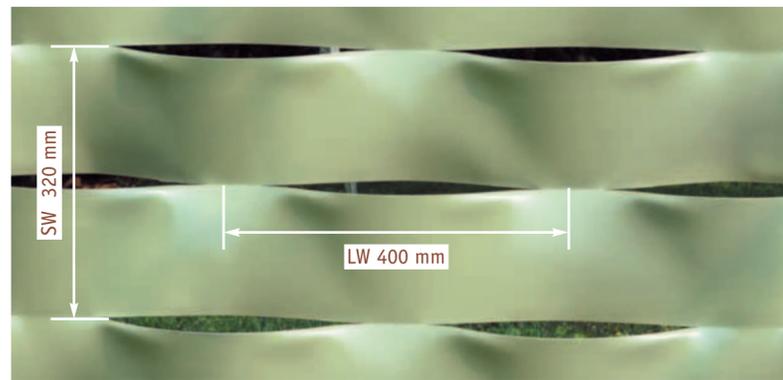
Dual-façade aluminium panel fencing, painted



Assembly diagram for wall-mounted façade
Sendzimir carbon steel panels, painted or aluminium panels, painted



“Living walls” created using the Marinelli System solution are not just beautiful to look at, but can also reduce **noise levels** (neighbours or traffic) and **help insulate façades**.



Products made exclusively in Italy

Corporate responsibility

All production personnel are fully protected by the European Union work safety laws.

All products are carefully made to meet current specific laws on accident prevention and safety.

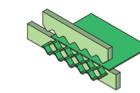
The force of innovation

Fils produces top quality grating and expanded mesh, turning them into solutions with added value for industry, civil engineering and architecture.

By constantly introducing innovations, Fils guarantees the total satisfaction of companies and designers around the world.

RESPECT FOR THE ENVIRONMENT

FILS HAS A TRULY “GREEN” POLICY THAT GOES BEYOND MERE INTENTIONS AND DECLARATIONS: ITS PRODUCTION PROCESSES AND THE MATERIALS IT USES ALL HAVE A LOW ENVIRONMENTAL IMPACT



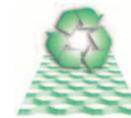
Pollution-free process

“Expanding” is a cold-pressing process that does not require the use of pollutants.



Zero-scrap process

Expanded metal is produced without any work scrap with the optimized use of raw materials.



Recycle

At the end of its long working life, expanded metal is subjected to differentiated waste collection for 100% recycling.



Green energy

70% of the energy required for our production is obtained from our photovoltaic system.



SQUARE EXPANDED MESHES

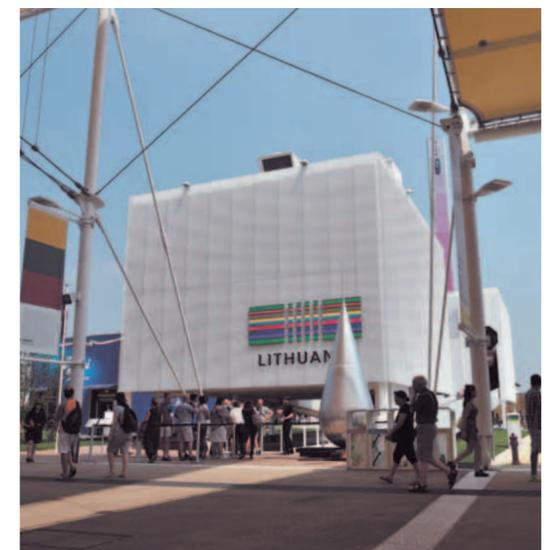
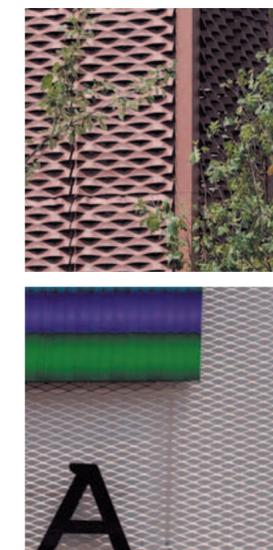


DIAMOND EXPANDED MESHES



EXPANDED GRATINGS

FILS IS AT EXPO2015, WITH NUMEROUS AND ORIGINAL CREATIONS



marinelli system[®]

Vertical Green



www.fils.it/produzione/marinellisystem-it/index.htm



Graphic designer: Pierluigi Passarella
Copywriting: Anna Martinelli



FILS S.p.A. Fabbrica Italiana Lamiere Stirate

Sole proprietorship,
directed and coordinated by L HOLDING S.r.l.

Via Crocette, 21 (Zona Industriale 1)
24066 PEDRENGO (BG) Italy
Tel. +39 (0)35 661 471 - Fax +39 (0)35 655 875
fils@fils.it - www.fils.it