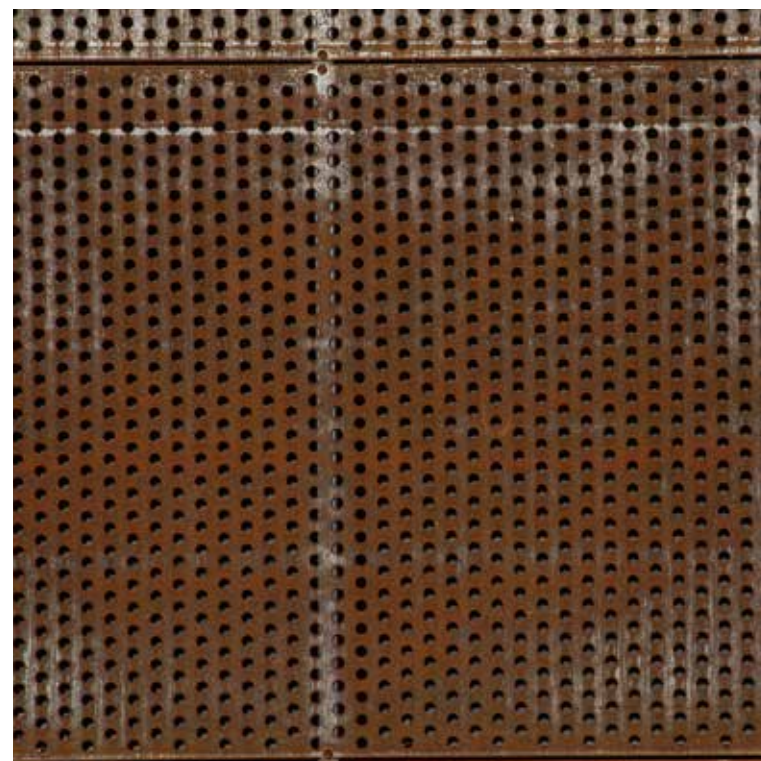


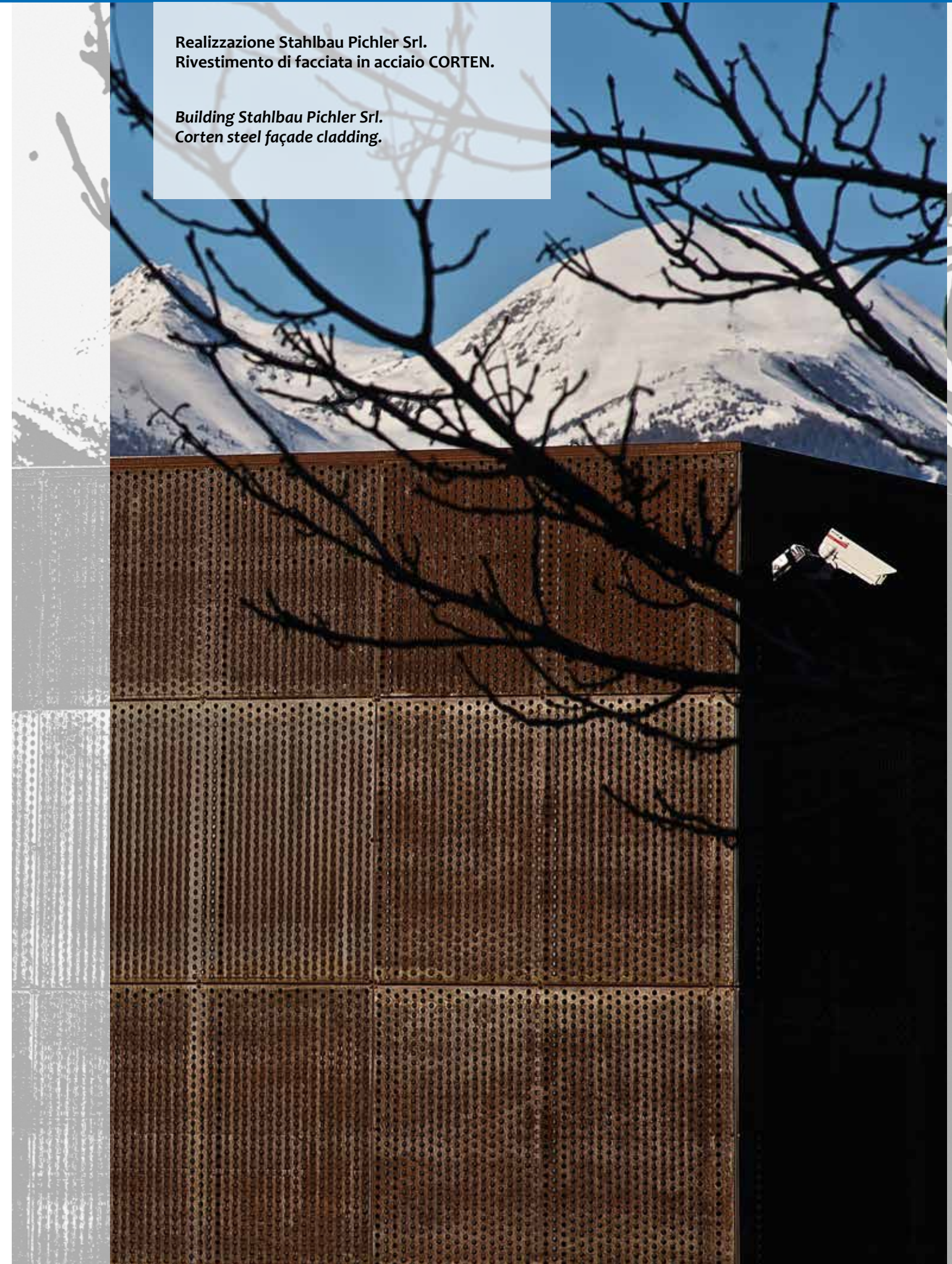


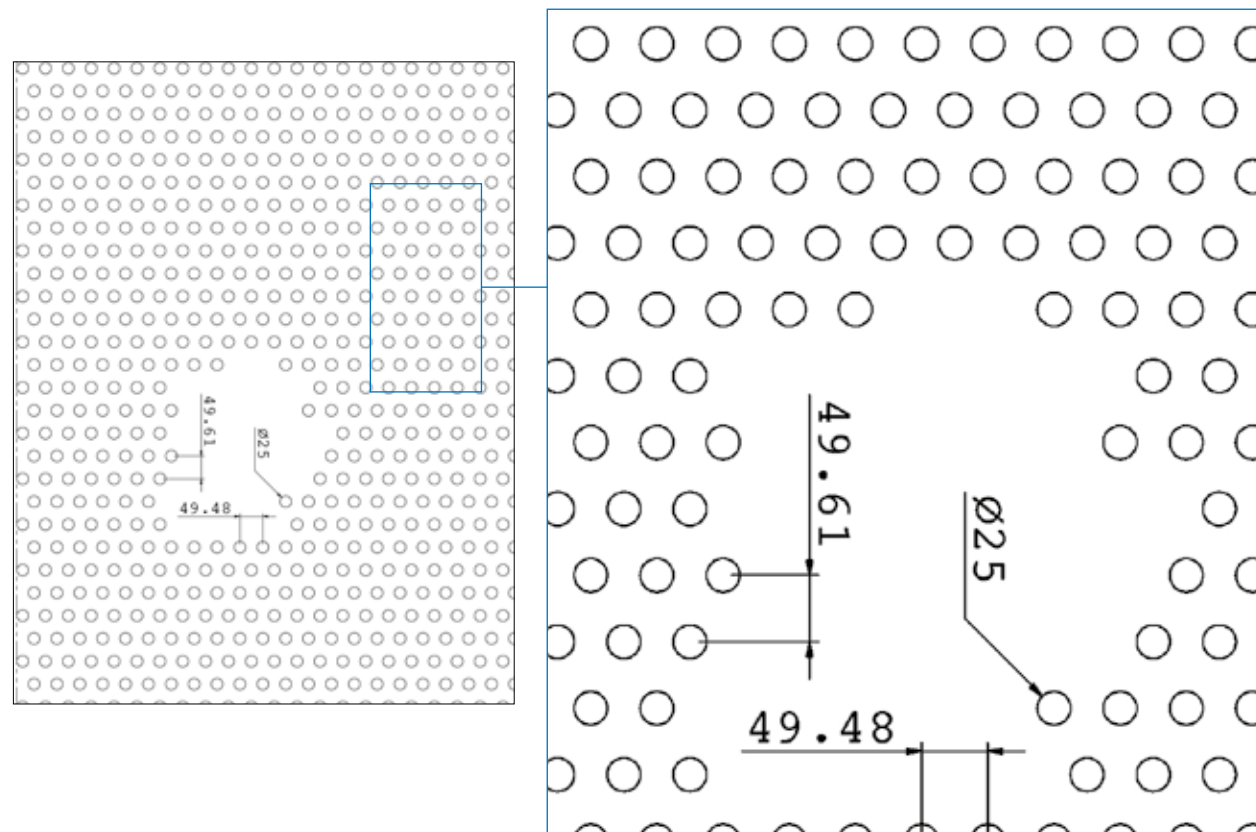


CORTEN spessore 5 mm R 25 T 49,5
CORTEN thickness 5 mm R 25 T 49,5

Realizzazione Stahlbau Pichler Srl.
Rivestimento di facciata in acciaio CORTEN.

Building Stahlbau Pichler Srl.
Corten steel façade cladding.





Dettagli tecnici: TONDO 25

Foro tondo Ø 25 mm interasse P 49,5 alt a dis.
Larghezza max. 2000 mm x lunghezza max. a richiesta.

Spessore materiale: da 1 mm a 5 mm.

Materiali: ferro, zincato, Corten, rame, ottone, alluminio e le sue leghe;

Acciai inox: AISI 430, 304 e 316L.

Finiture superficiali a richiesta.

Technical features: ROUND 25

Round holes Ø 25 mm pitch 49,5 mm, staggered.
Maximum sheet sizes: width 2000 mm x length on request.

Sheet thickness from 1 to 5 mm.

Materials: mild steel, galvanized, Corten, aluminum and its alloys;

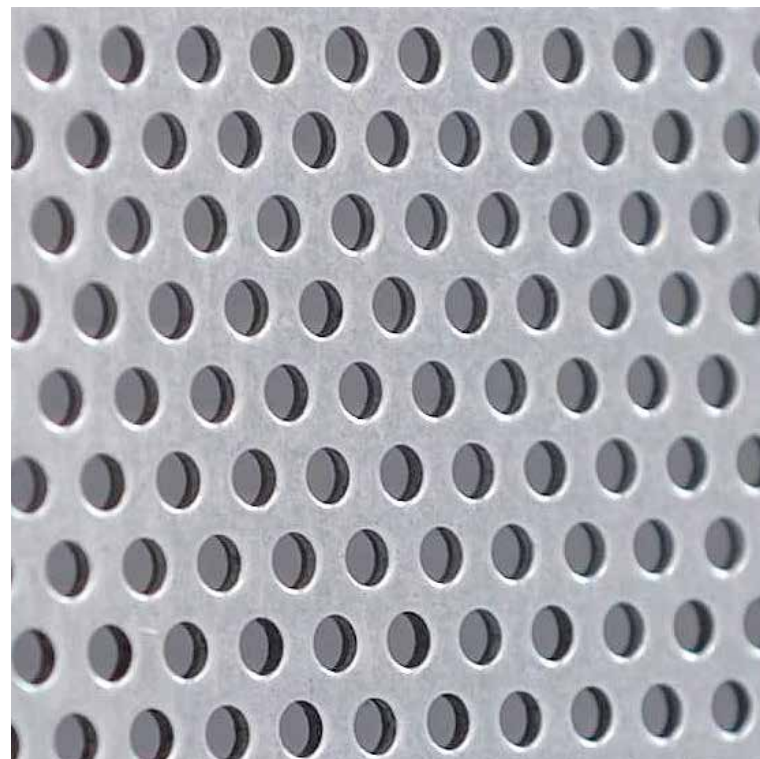
S/S AISI 430, 304 and 316L.

Various surface finishing available on request.



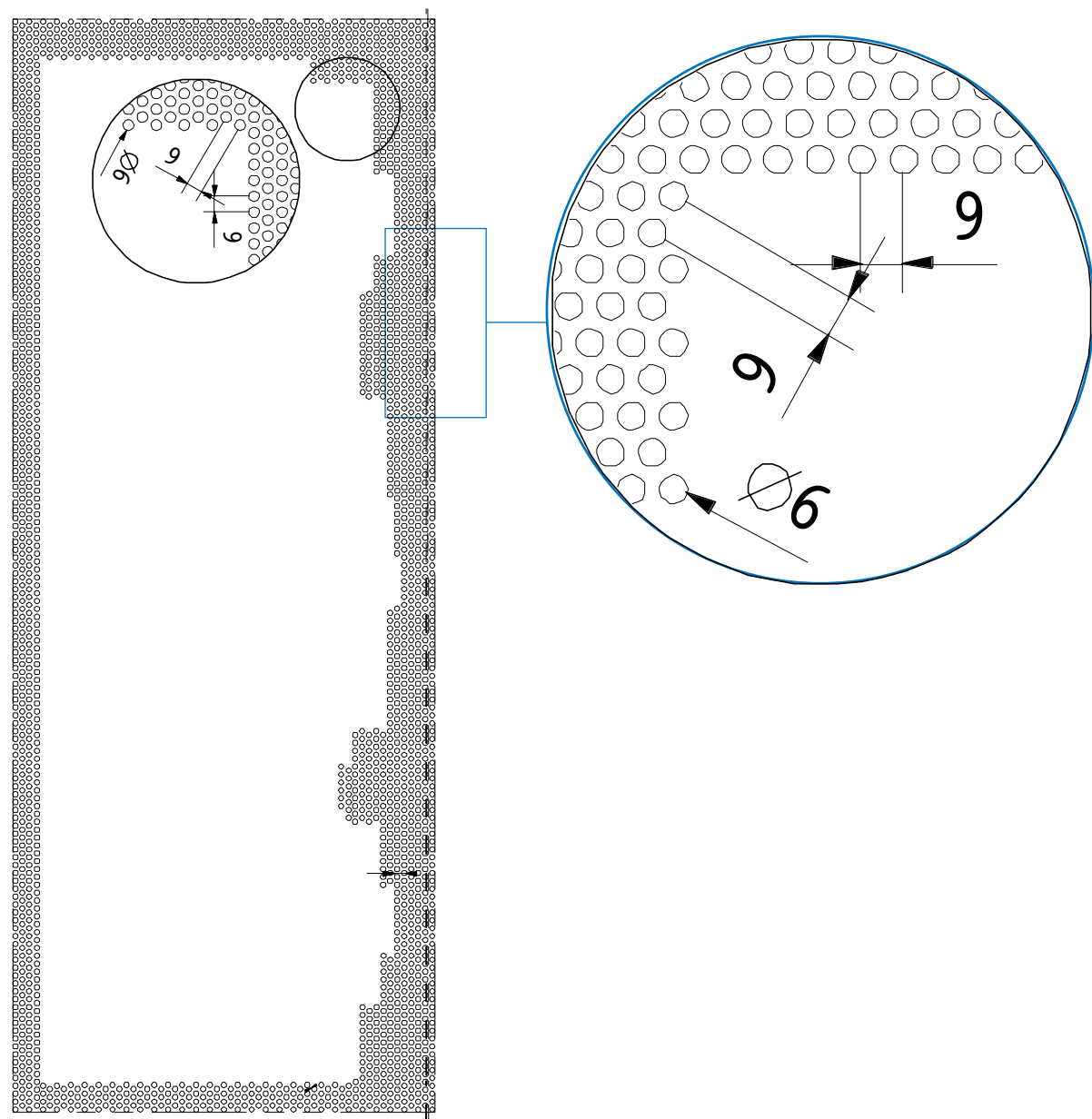
Rivestimento di facciata in lamiera forata in alluminio anodizzato.

Façade cladding with perforated and anodized aluminum sheet.



Alluminio 5005 anodizzato spessore 2 mm R 6 T 9
Anodized aluminum 5005, thickness 2 mm R 6 T 9





Dettagli tecnici: TONDO 6

Foro tondo Ø 6 mm interasse 9 mm
alternato a 60° (V/P 40%).

Larghezza max. 2000 mm x lunghezza max. a
richiesta.

Spessore materiale: da 0,5 mm a 5 mm.

Materiali: ferro, zincato, Corten, rame, ottone,
alluminio e le sue leghe;

Acciai inox: AISI 430, 304 e 316L.

Finiture superficiali a richiesta.

Technical features: ROUND 6

Round holes Ø 6 mm pitch 9 mm
staggered at 60°, open area 40%.

Maximum sheet sizes: width 2000 mm x length on
request.

Sheets thickness: from 0,5 mm up to 5mm.

Materials: mild steel, galvanized, Corten, copper,
brass, aluminum and its alloys;

S/S AISI 430, 304 and 316L.

Various surface finishing available.

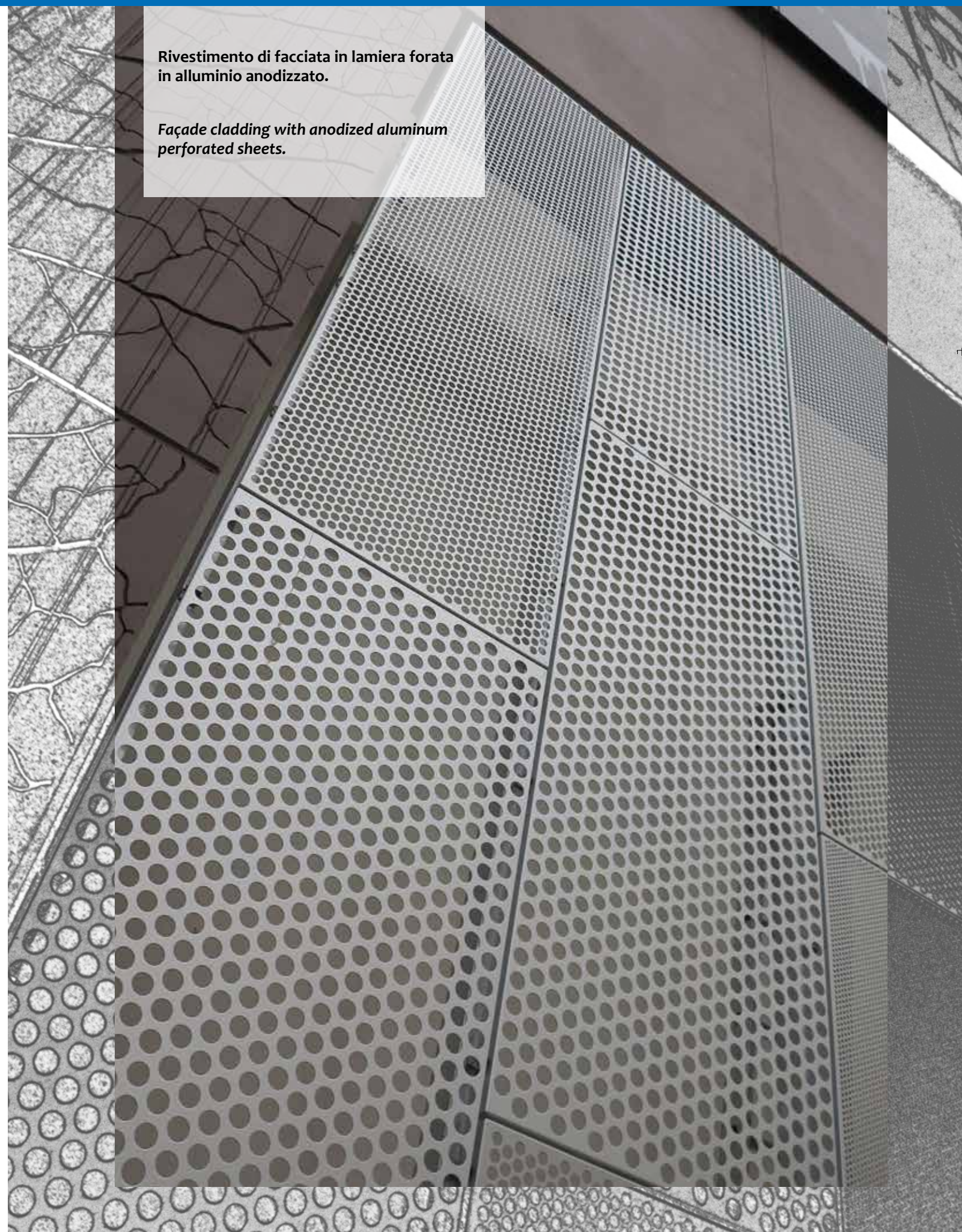


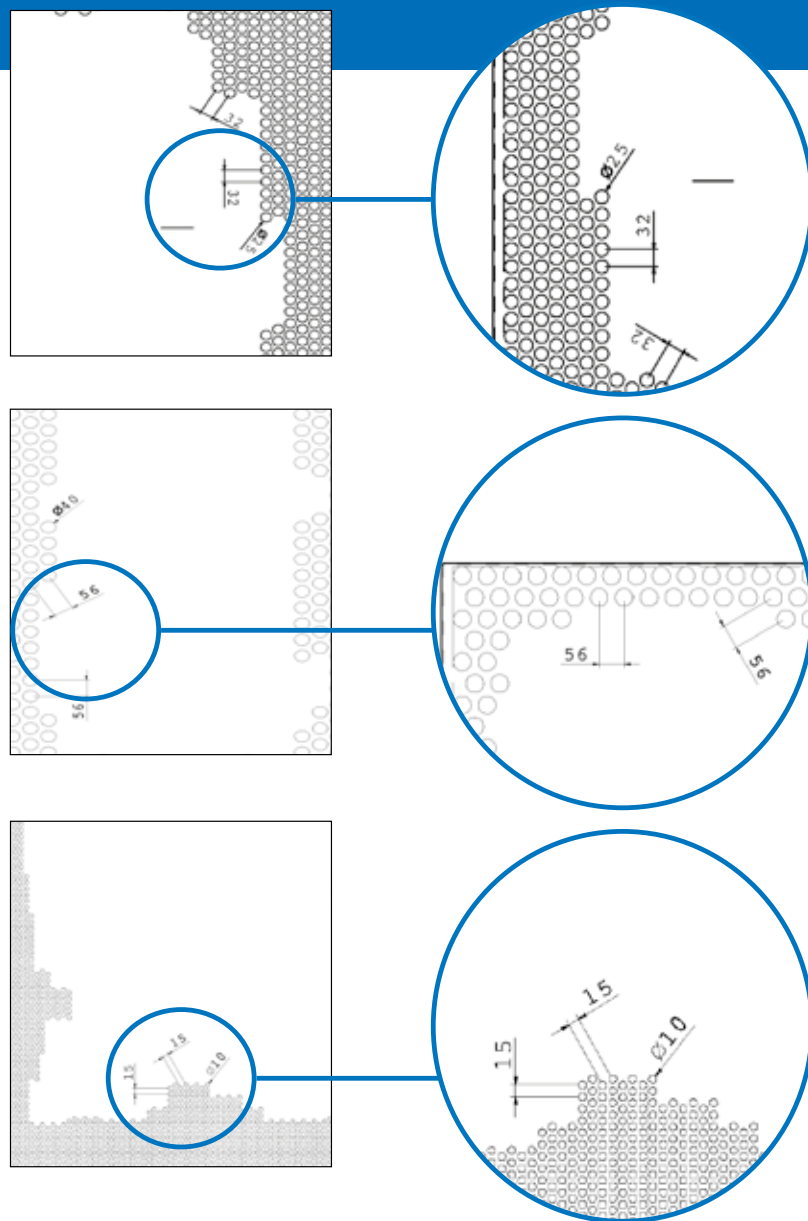


Alluminio anodizzato spessore 2 mm - tre diverse perforazioni.
Anodized Aluminum thickness 2 mm - three different perforations.

Rivestimento di facciata in lamiera forata
in alluminio anodizzato.

*Façade cladding with anodized aluminum
perforated sheets.*





Dettagli tecnici

TONDO 25

Foro tondo Ø 25 mm interasse 32 mm
passo alternato a 60° (V/P 55%).
Spessore materiale da 0,8 mm a 3 mm.

TONDO 40

Foro tondo Ø 40 mm interasse 56 mm
passo alternato a 60° (V/P 46,5%).
Spessore materiale da 1 mm a 15 mm.

TONDO 10

Foro tondo Ø 10 mm interasse 15 mm.
passo alternato a 60° (V/P 40%).
Spessore materiale da 0,5 mm a 10 mm.
Larghezza max 2000 mm x lunghezza max a richiesta.
Materiali: ferro, zincato, Corten, rame, ottone, alluminio e
sue leghe e acciai inox.

Technical details

ROUND 25

Round holes Ø 25 mm pitch 32 mm (open area 55%)
staggered at 60°.
Sheet thickness from 0,8 mm to 3 mm.

ROUND 40

Round holes Ø 40 mm pitch 56 mm (open area 46,5%)
staggered at 60°.
Sheet thickness from 1 mm to 15 mm.

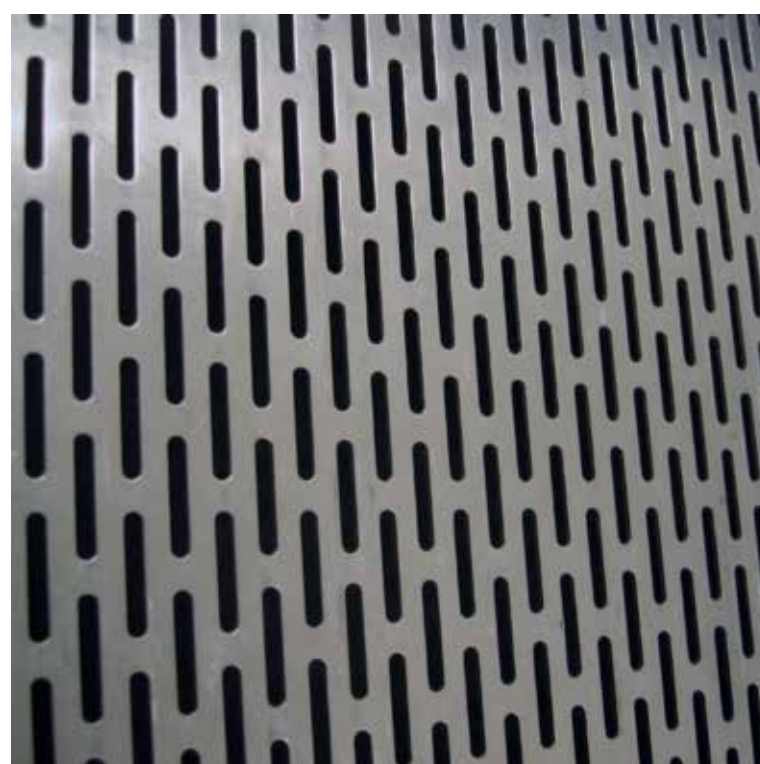
ROUND 10

Round holes Ø 10 mm pitch 15 mm.
staggered at 60° (open area 40%)
Sheet thickness from 0,5 mm to 10 mm.
Max width 2000 x max. length on request
Materials: mild steel, galvanized, Corten, copper, brass,
aluminum and its alloys.



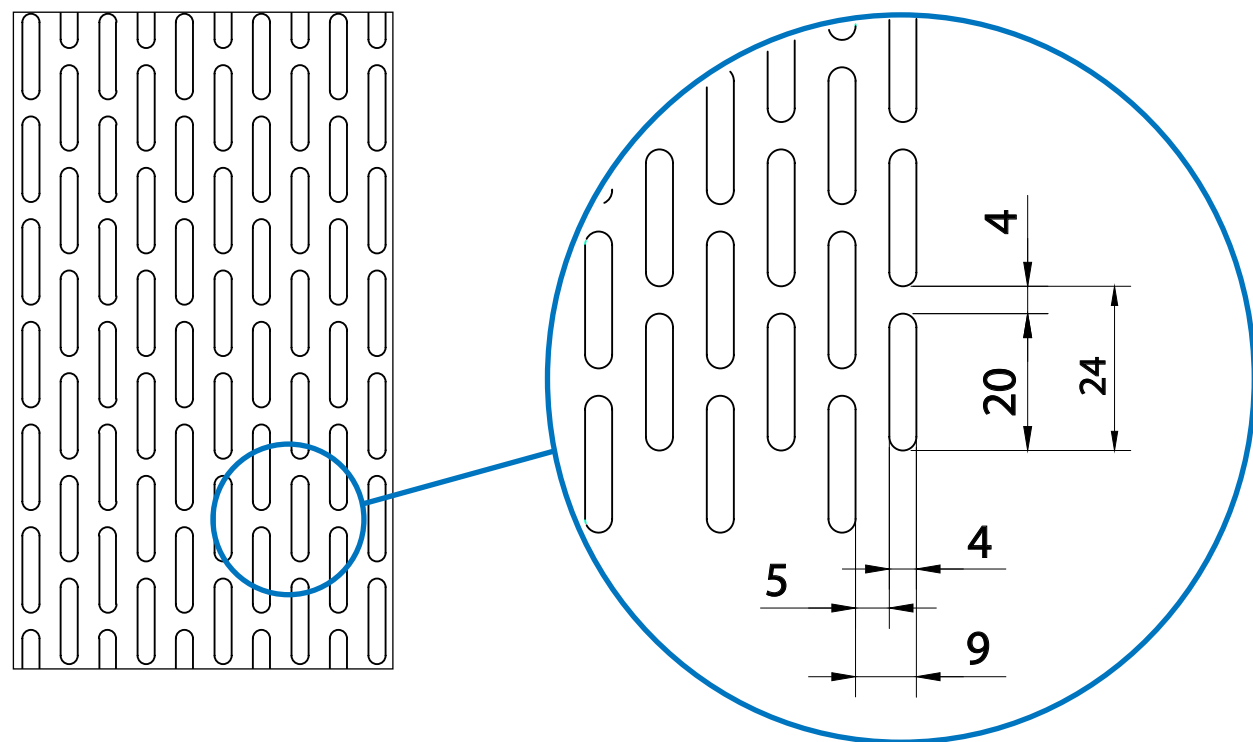
Realizzazione nuova sede
multinazionale a Shanghai
Rivestimento facciata in lamiera forata

New Shanghai headquarters
(multinational Company)
Perforated metal for façade



Alluminio 5005 anodizzato spessore 4 mm. Dim. 4450x1350 mm.
Anodized aluminum 5005 thickness 4 mm. Dim. 4450x1350 mm.





Dettagli tecnici: foro oblungho alternato 4 x 20
interasse 9 x 24 mm (V/P 37 %)
Larghezza max. 2000 mm x lunghezza max. a richiesta.

Spessore materiale da 0,5 a 4 mm.

Materiali: ferro, zincato, Corten, alluminio e sue leghe;

Acciai inox: AISI 304 e 316L.

Finiture superficiali a richiesta.

Technical features: round end slots 4 x 20
side staggered rows,

pitch 9 x 24 mm, open area 37 %.

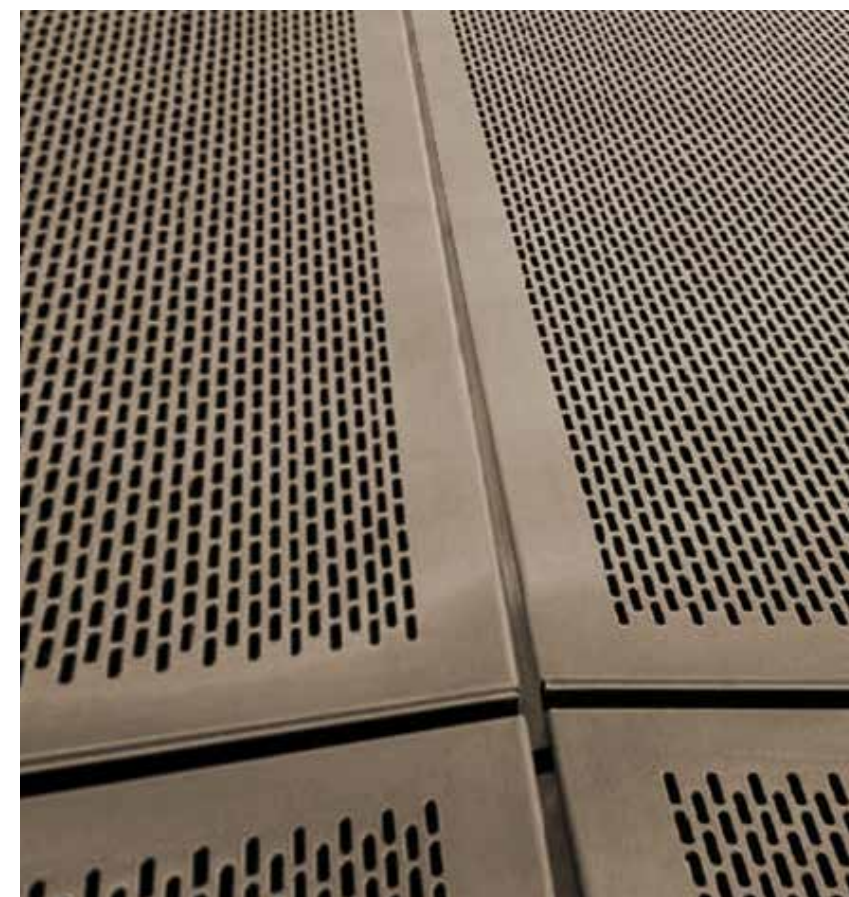
Max. width 2000 mm X max. length on request.

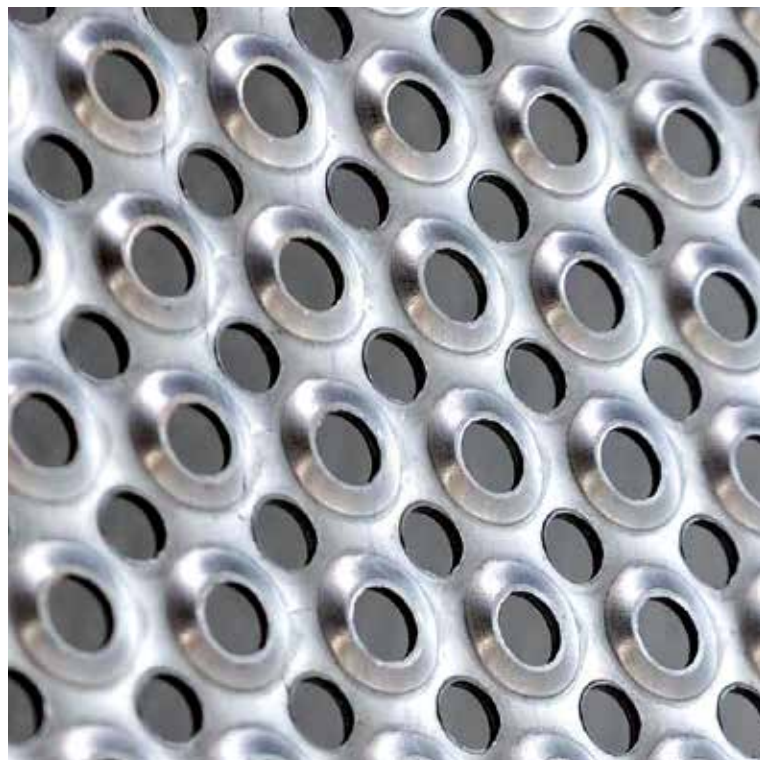
Sheet thickness from 0,5 to 4 mm.

Materials: mild steel, galvanized, Corten, aluminum and its alloys;

S/S AISI 304 and 316L.

Various surface finishing available on request.

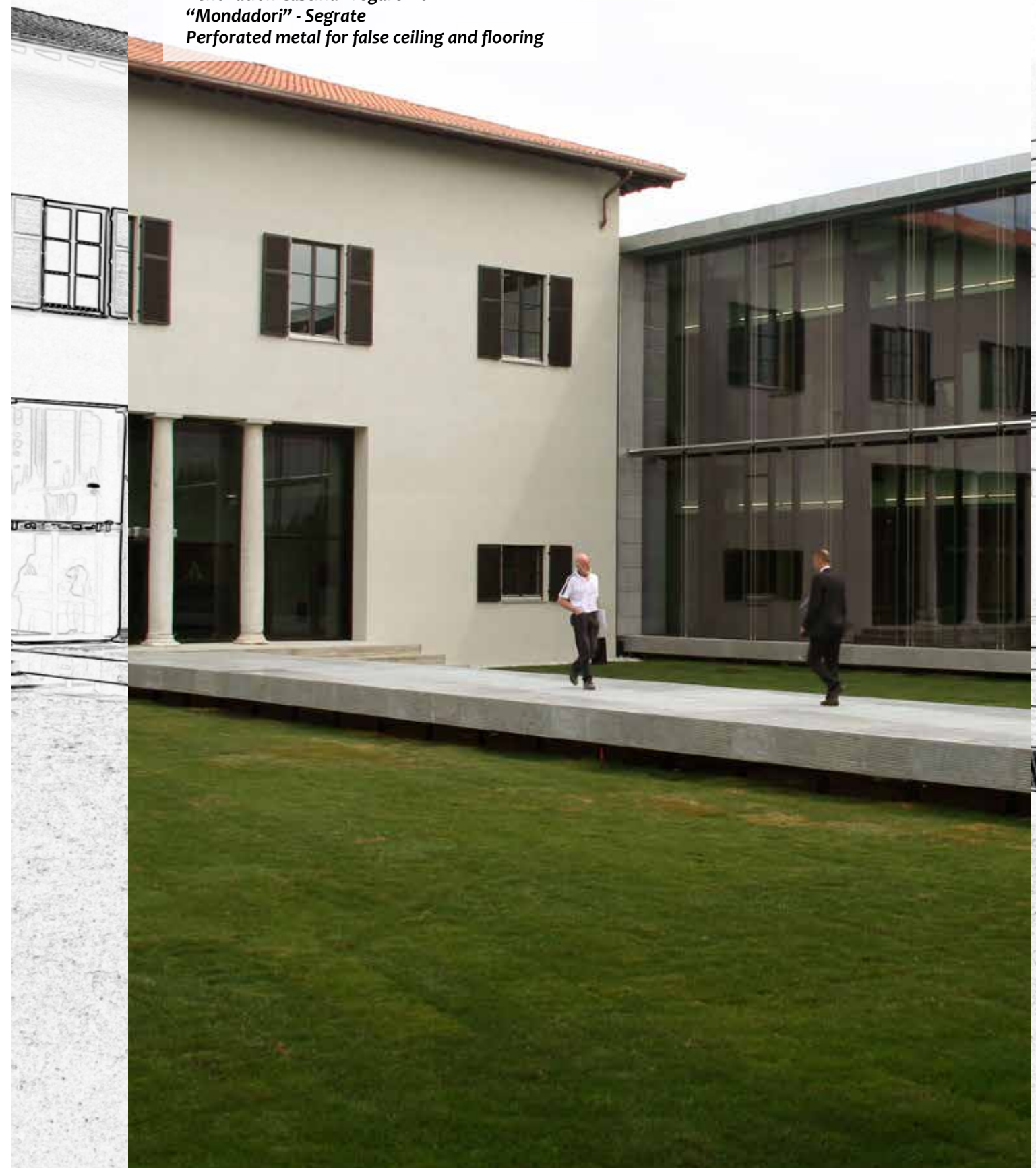


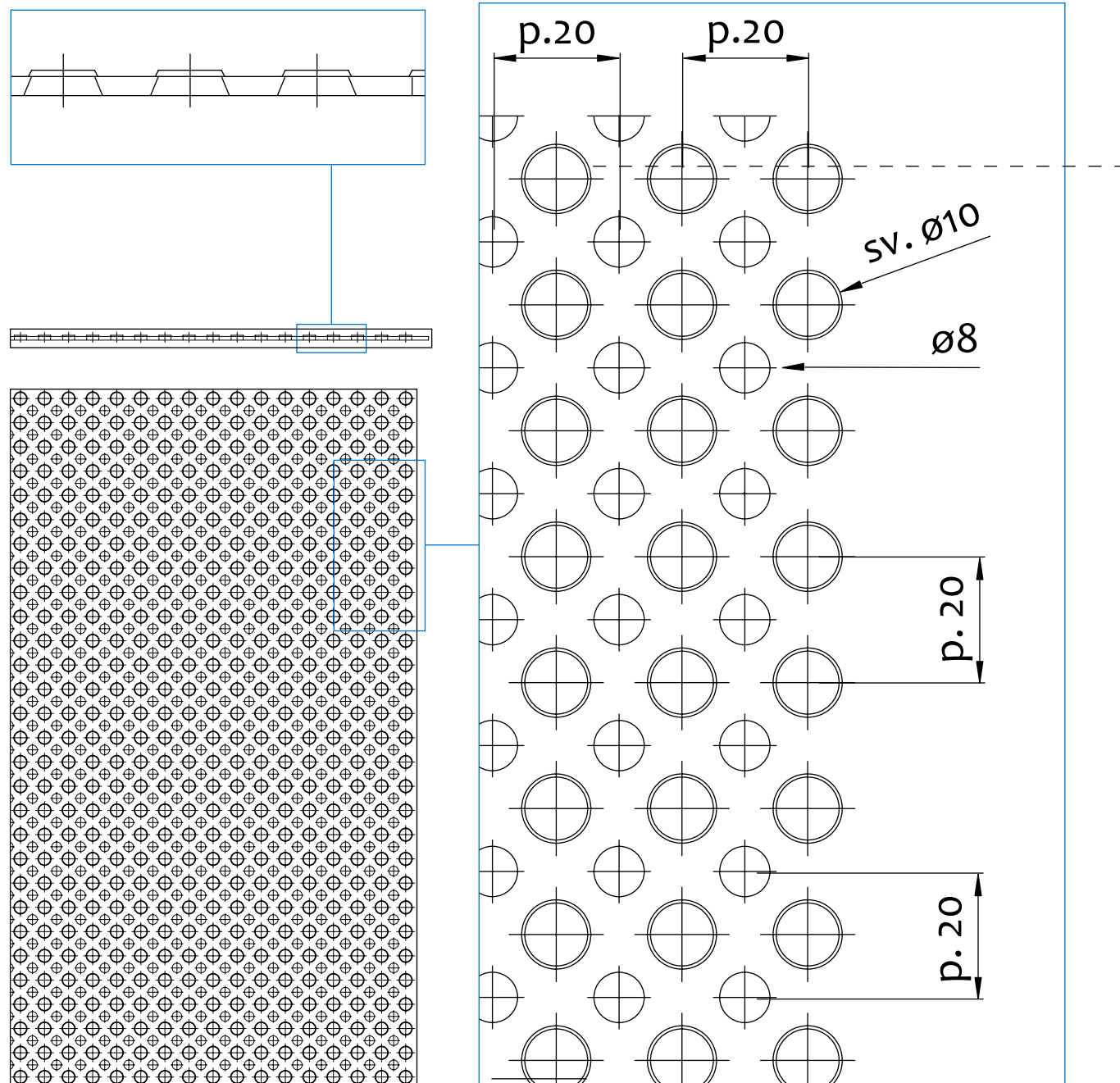


Fe zincato a caldo spessore 2 o 3 mm. Foro "antitacco"
Hot-dip galvanized steel thickness 2 or 3 mm. Heel-safe perforation

Ristrutturazione Cascina Tregarezzo
"Mondadori" - Segrate
Copertura e pavimentazione in lamiera forata

Renovation Cascina Tregarezzo
"Mondadori" - Segrate
Perforated metal for false ceiling and flooring





Dettagli tecnici: TONDO 10S

grigliato antitacco

Foro tondo Ø 10 mm svasato + 8 mm piano, interasse 20 mm alt. a 45° (V/P 26,5 %)

Larghezza max. 2000 mm x lunghezza max. a richiesta.

Spessore lamiera: 1,5 / 2,0 / 2,5 / 3,0 mm

materiali: ferro, zincato, Corten, alluminio e sue leghe;

Acciai inox: AISI 304 e 316L.

Finiture superficiali a richiesta.

Technical features: TONDO 10S

heel-safe grating

Round holes indented Ø 10 mm + flat Ø 8 mm diameter, pitch 20 mm, staggered at 45°, open area 26,5%.

Maximum sheet sizes: width 2000 mm x max.length on request.

Sheet thickness: 1.5/ 2.0 / 2.5/ 3.0 mm

Materials: mild steel, galvanized, Corten, aluminum and its alloys;

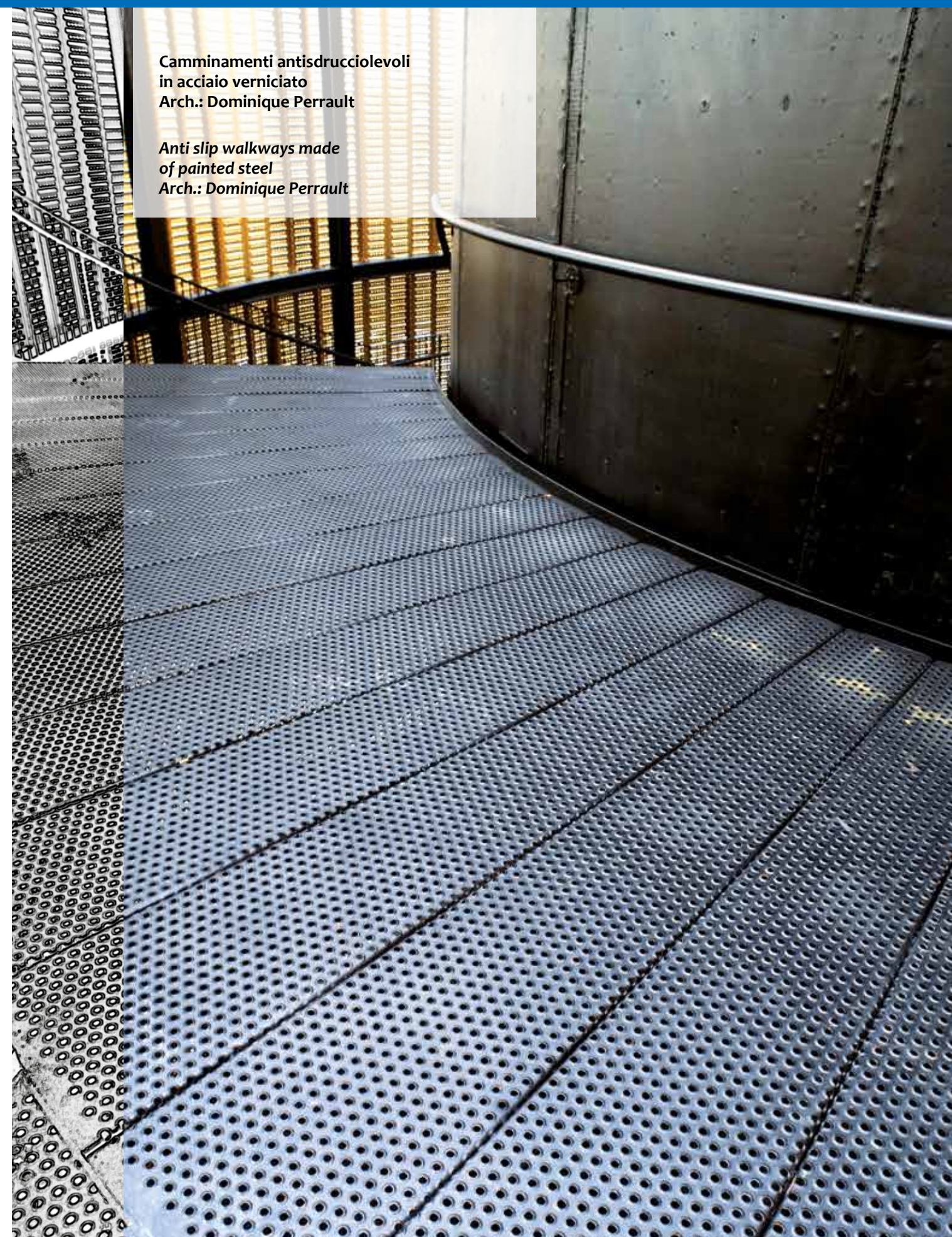
S/S AISI 304 and 316L.

Various surface finishing available.



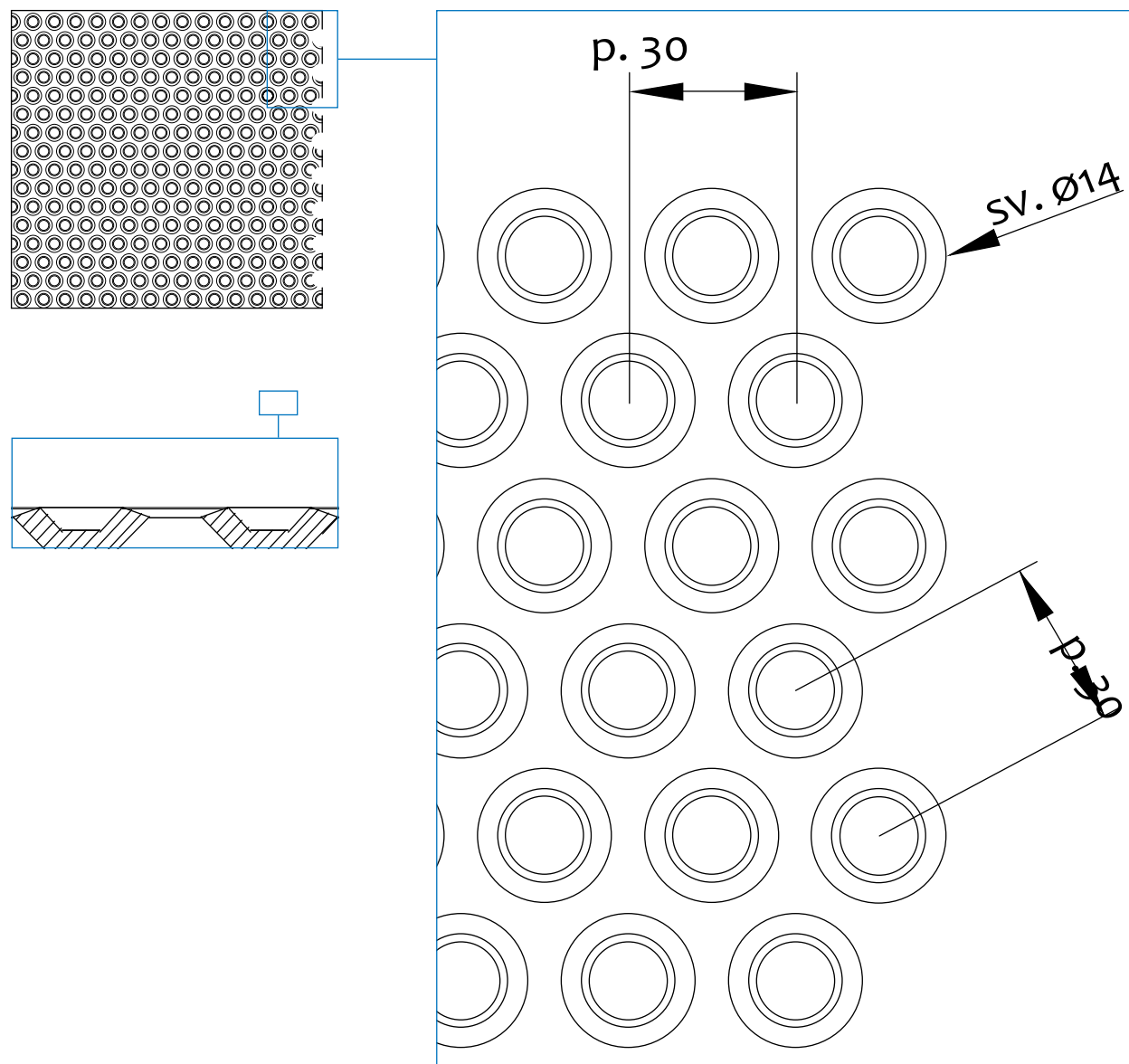


Ferro verniciato spessore 3 e 4 mm TONDO 14S
Painted steel thickness 3 and 4 mm TONDO 14S



Camminamenti antisdrucchiolevoli
in acciaio verniciato
Arch.: Dominique Perrault

Anti slip walkways made
of painted steel
Arch.: Dominique Perrault



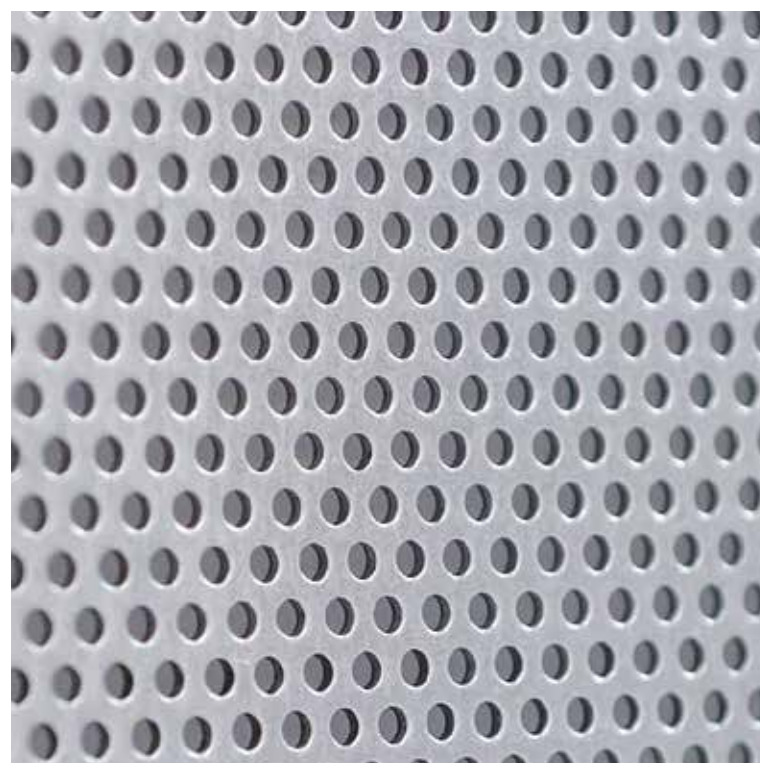
Dettagli tecnici: TONDO 14S

Foro tondo Ø 14 mm svasato,
interasse 30 mm alt. a 60° (V/P 20 %)
Larghezza max. 2000 mm x lunghezza max.
a richiesta.
Spessore lamiera: da 1,5 mm fino a 5 mm.
Materiali: ferro, zincato, Corten,
rame, ottone, alluminio e sue leghe,
Acciai inox: AISI 430, 304 e 316L.
Finiture superficiali a richiesta.

Technical features: TONDO 14S

Indented round holes Ø 14 mm,
pitch 30 mm, staggered at 60°, open area 20%.
Maximum sheet sizes: width 2000 mm x length on
request.
Sheet thickness: from 1.5 to 5 mm
Materials: mild steel, galvanized, Corten,
brass, copper, aluminium and its alloys
S/S AISI 430, 304 and 316L.
Various surface finishing available.



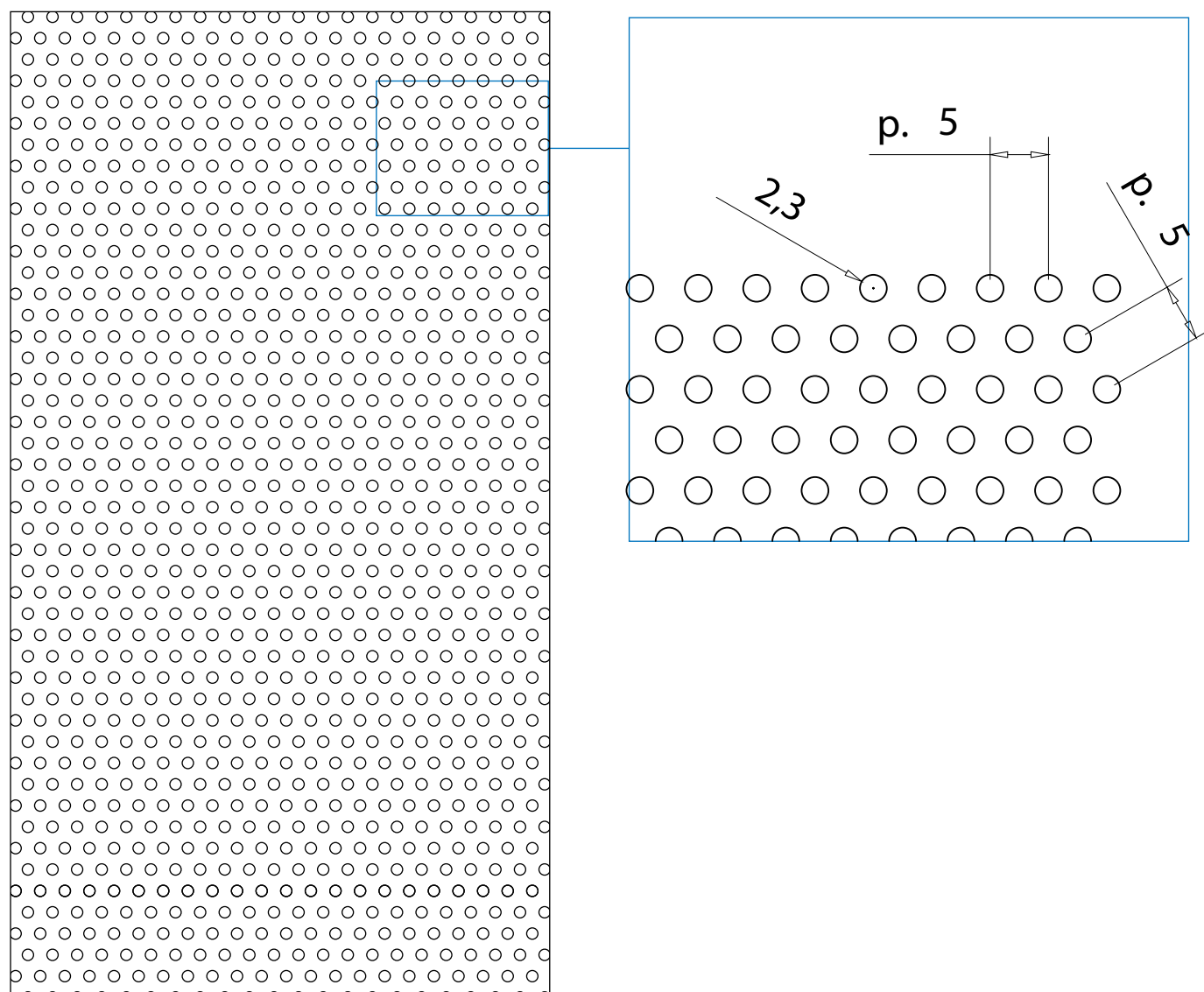


AISI 304 e 316 spessore 0,6 mm R 2,3 T 5
AISI 304 and 316 thickness 0,6 mm R 2,3 T 5

Nuovo padiglione B Fiera di Genova
Controsoffittatura e rivestimento parete
in lamiera forata
Arch.: Jean Nouvel

*New Building B at Genoa's Trade Fair
False ceiling and wall cladding made
of perforated stainless steel
Arch.: Jean Nouvel*





Dettagli tecnici: TONDO 2,3

Foro tondo Ø 2,3 mm, interasse 5 mm, alternato a 60° (V/P 19%).

Larghezza max. 1500 mm X lunghezza max. a richiesta.

Spessore lamiera: da 0,5 mm fino a 2 mm.

Materiali: ferro, zincato, Corten, rame, ottone, alluminio e sue leghe;

Acciai inox: AISI 430, 304 e 316L.

Finiture superficiali a richiesta.

Technical features: ROUND 2,3

Round holes Ø 2.3 mm, pitch 5 mm, staggered at 60°, open area 19%.

Maximum sheet sizes: width 1500 mm x length on request.

Sheet thickness: from 0.5 mm to 2 mm

Materials: mild steel, galvanized, Corten, brass, copper, aluminium and its alloys;

S/S AISI 430, 304 and 316L.

Various surface finishing available.



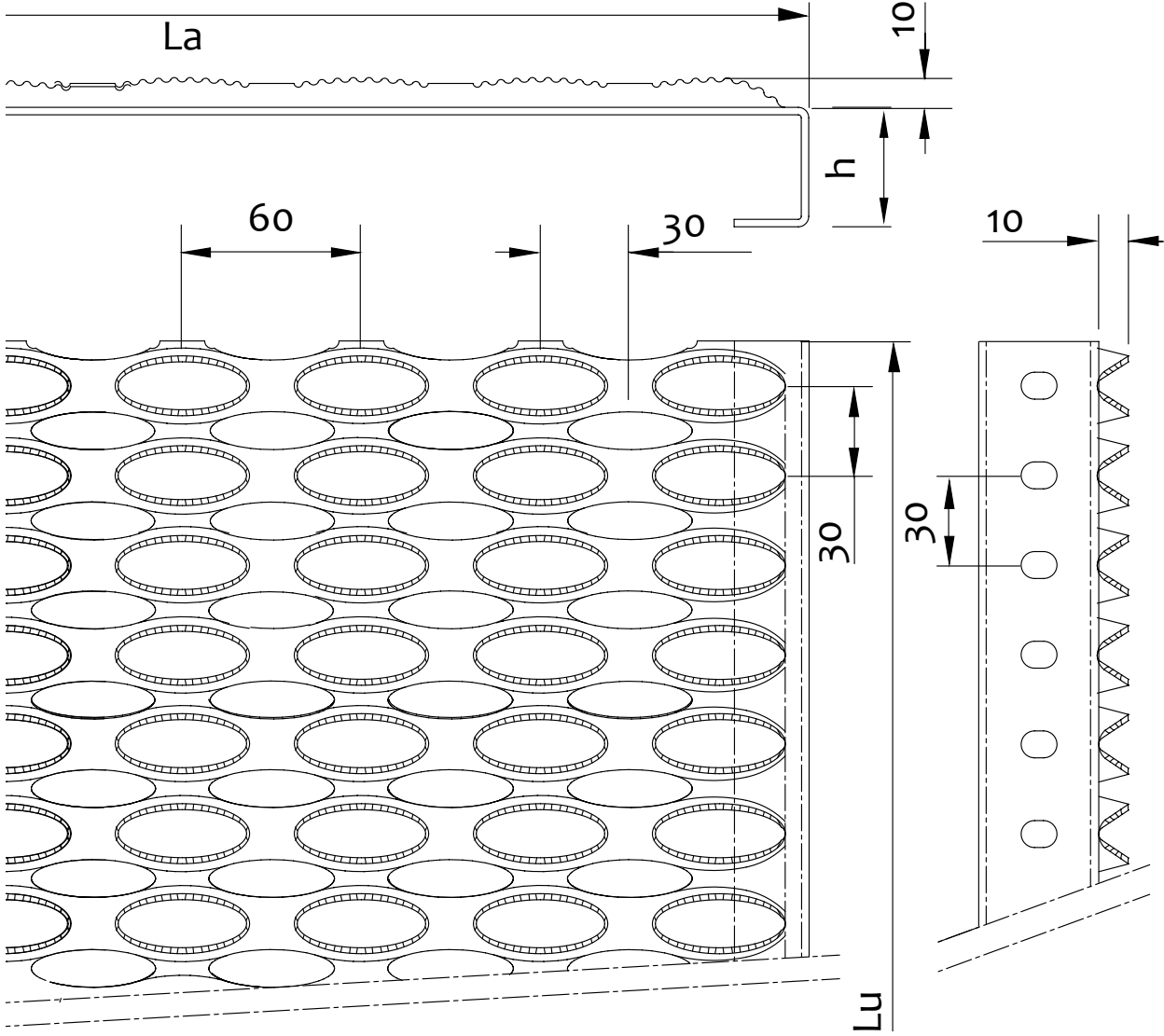
Opere di restauro campanile di S. Marco - Venezia
Grigliati pedonabili in Graepel Gripp
zincati a caldo

Renovation works at S. Marco - Venice
Walkways and steps made of hot-dip galvanized
Graepel Gripp

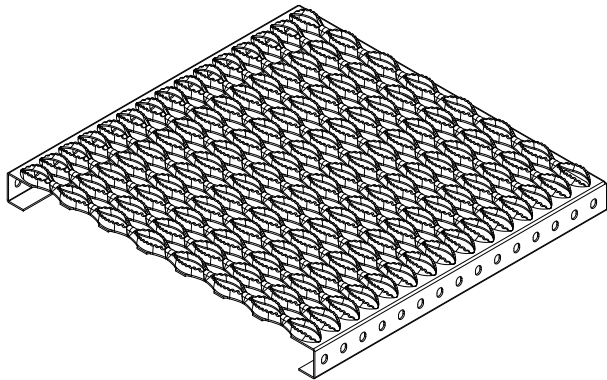


Fe zincato a caldo spessore 2 mm Graepel Gripp
Hot-dip galvanized steel 2 mm Graepel Gripp





Misure disponibili / Available sizes		Gripp
Materiali Materials	Acciaio grezzo / Mild steel	2,0 e 2,5
	Acciaio zincato / Galvanized	2,0 e 2,5
	Acciaio Inox / S/S 304	1,5
	Alluminio / Aluminium	2,5
Dimensioni Sizes	Lunghezze / Length	std 3.000/max 4.020 multipli di 30 / multiples of 30
	Larghezze / Width	120/180/240/300/360 420/480
	Altezza delle pieghe / Height of folded edges	40/50/75



Dettagli tecnici: GRAEPEL GRIPP

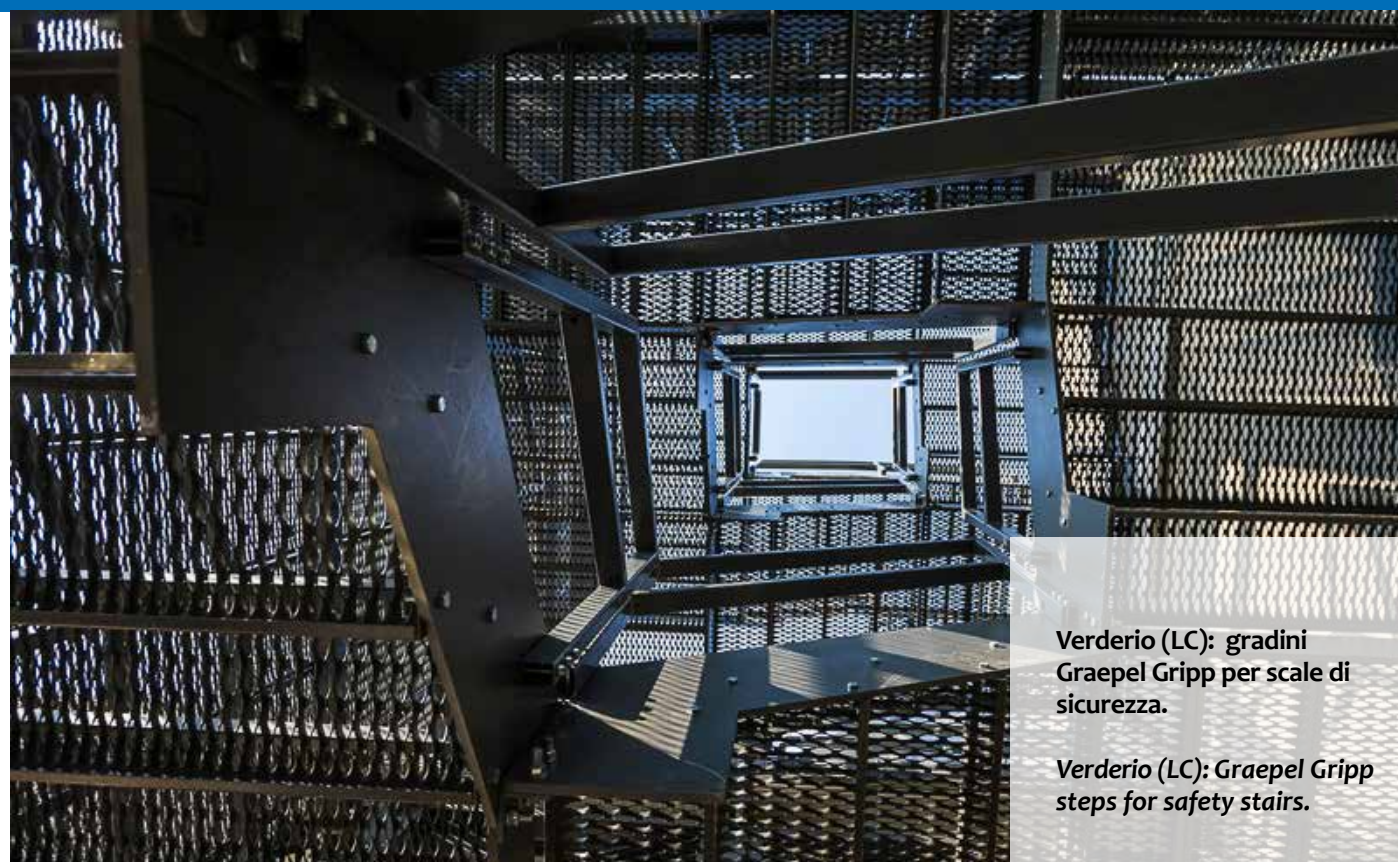
Dimensioni: vedi tabella.
Altre misure a richiesta.
Tolleranze: lunghezza +/- 3 mm,
larghezza +/- 2 mm, altezza +/- 2 mm
Tolleranze di sciabolatura: max +/- 5 mm/m

Technical features: GRAEPEL GRIPP

Dimensions: see list.
Graepel Gripp can be supplied in different sizes,
please send us your specific inquiry.
Tolerances on dimensions: length +/- 3 mm,
width +/- 2 mm, height +/- 2 mm
Camber tolerances : +/- 5 mm/m



GRAEPEL GRIPP IN ARCHITETTURA



Verderio (LC): gradini
Graepel Gripp per scale di
sicurezza.

Verderio (LC): Graepel Gripp
steps for safety stairs.



GRAEPEL GRIPP IN ARCHITETTURA

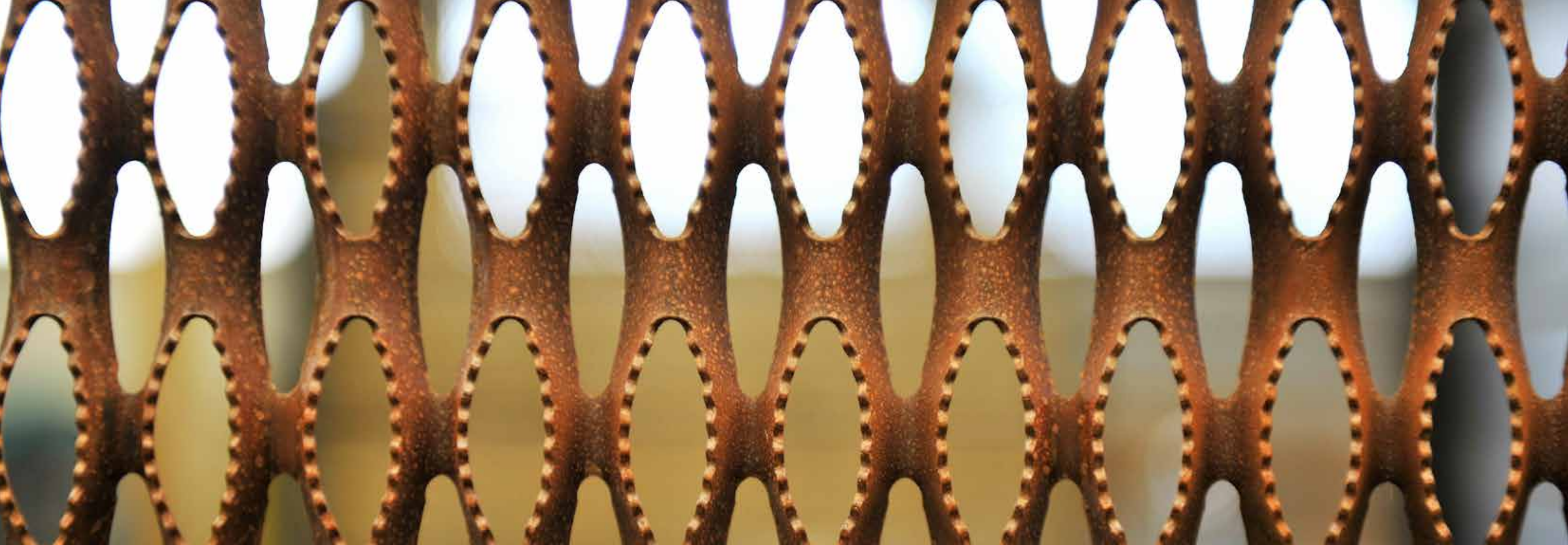
Il GRAEPEL GRIPP può essere utilizzato anche per realizzare sistemi di facciata con l'uso di diversi metalli come l'alluminio verniciato e/o anodizzato, il Corten e tante altre finiture superficiali realizzabili su richiesta. Il Gripp è "autoportante", non ha bisogno di un telaio, inoltre, la sua caratteristica forma a pannello consente grande facilità di montaggio e di sostituzione dei singoli componenti.

GRAEPEL GRIPP FOR ARCHITECTURAL PURPOSE

GRAEPEL GRIPP can also be used to build facade systems by the use of different metals such as coated and/or anodized aluminum and is available in Corten. Many other surface finishes are available on request.

Gripp is "self-supporting", it does not need a frame, and thanks to its characteristic shape it's easy to assemble and it can simply be replaced.





NEW

GRAEPEL GRIPP - CORTEN

Le proprietà del Corten sono due:

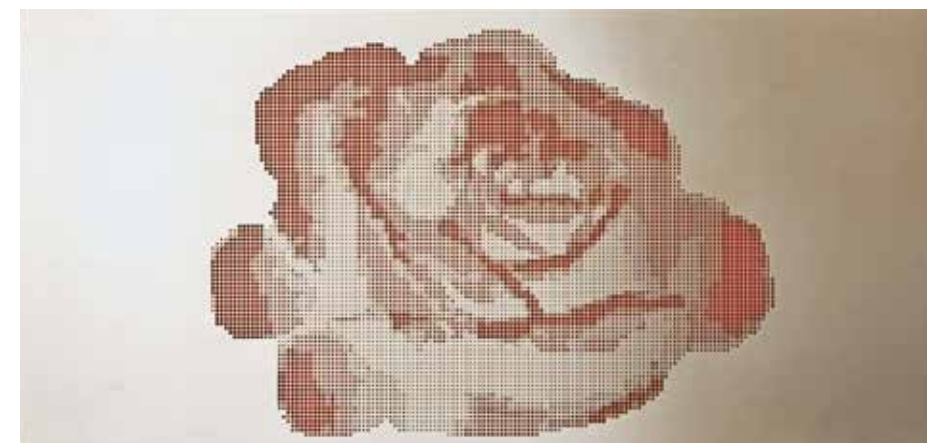
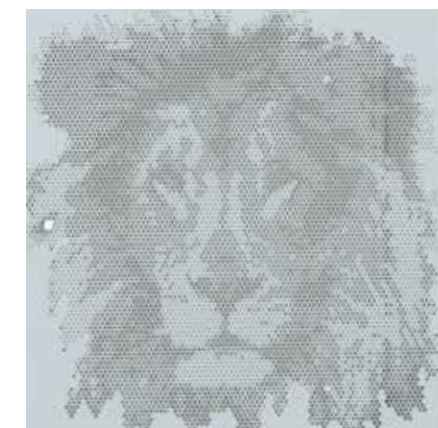
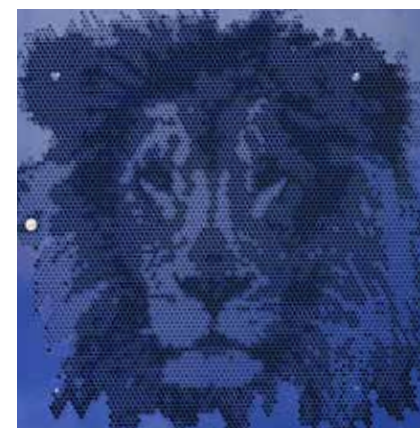
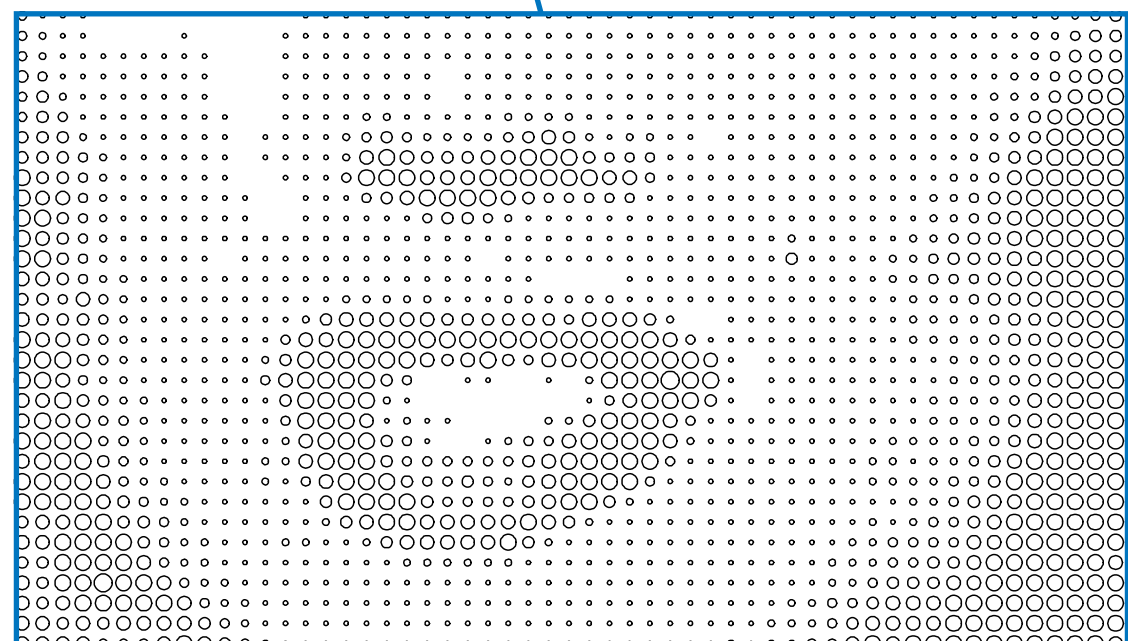
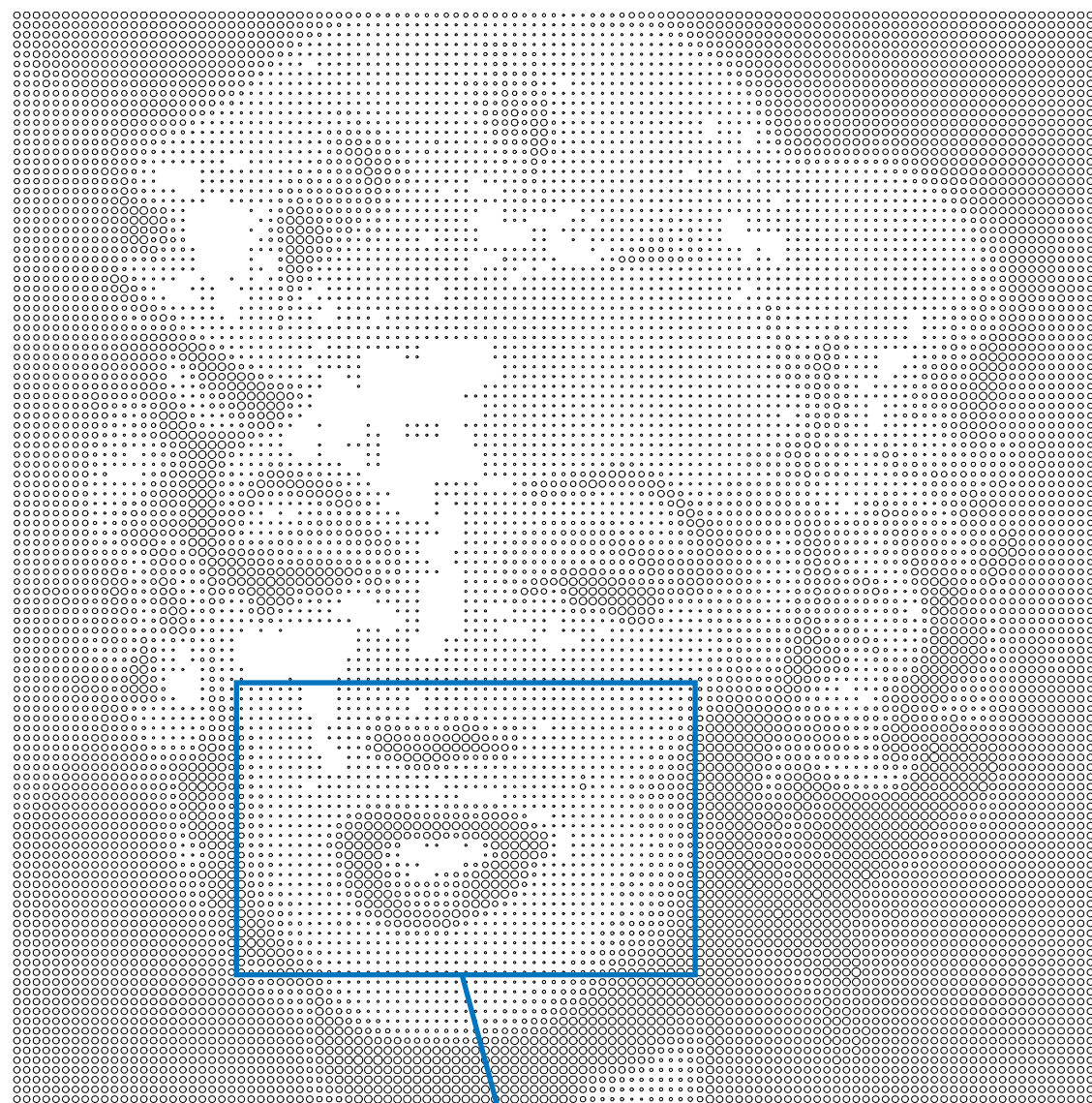
- **Autoprotgersi dalla corrosione elettrochimica**, mediante la formazione di una patina superficiale;
- **Elevata resistenza meccanica.**

L'intensità cromatica lo rende ideale per infinite soluzioni estetiche accentuando l'insolito, ma per questo interessante, fenomeno della ruggine o del ferro battuto antichizzato.

Corten, also known as weathering steel, is a group of steel alloys which don't need painting or other surface protections, because due to its chemical composition this steel forms a protective layer under the influence of the weather. This means the steel is allowed to rust in order to form the protective coating which gives it an antique iron look. Its mechanical properties depend on which alloy and how thick the material is.



IMAGINE ALL THE P...(ICTURES)

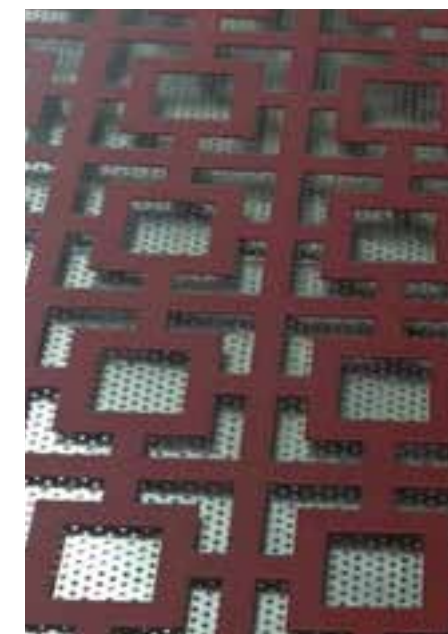
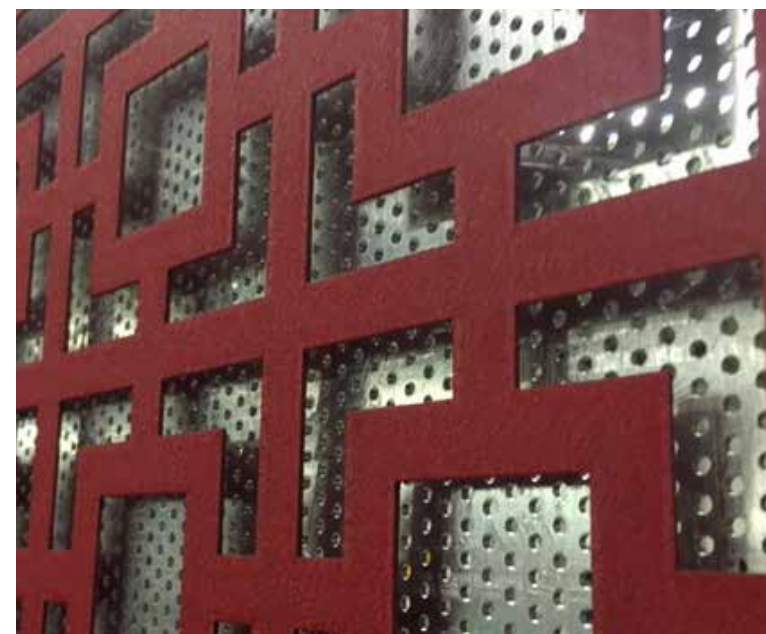
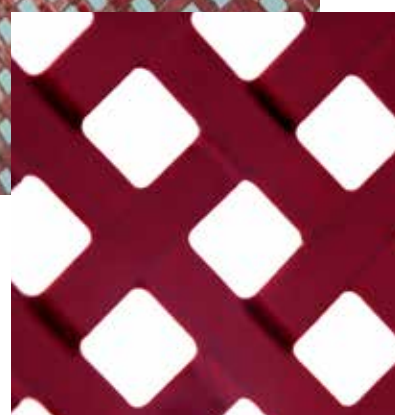
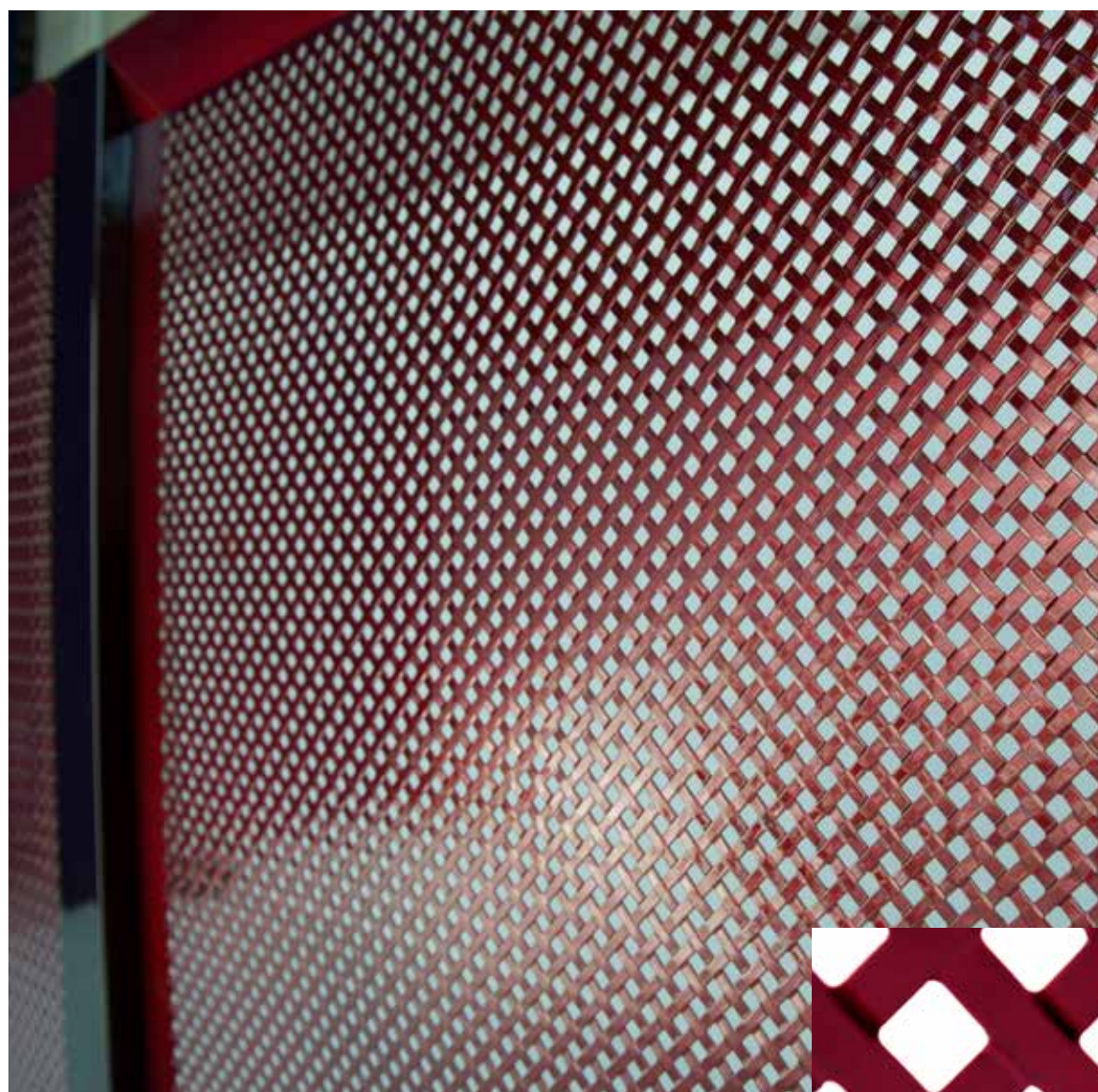


PERFORATORI E CREATIVI

È possibile realizzare dei pannelli in lamiera forata che riproducano qualsiasi immagine, fotografia o disegno con finiture superficiali originali e trattamenti naturali a basso impatto ambientale nel segno della sostenibilità.

PER'FANTASY

You just send us an image, a photo or a drawing, it's up to you - the rest is up to our technique: we realize the required image as a perforated metal. Do not forget to tell us what material and size you need.

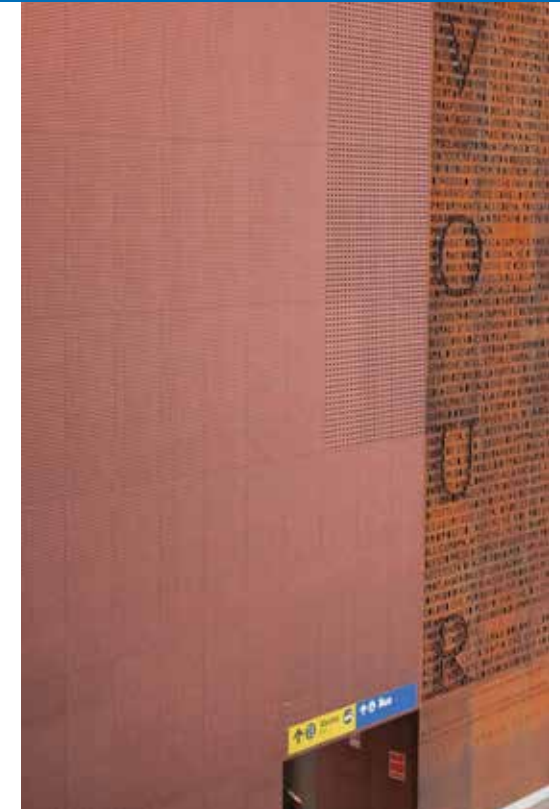
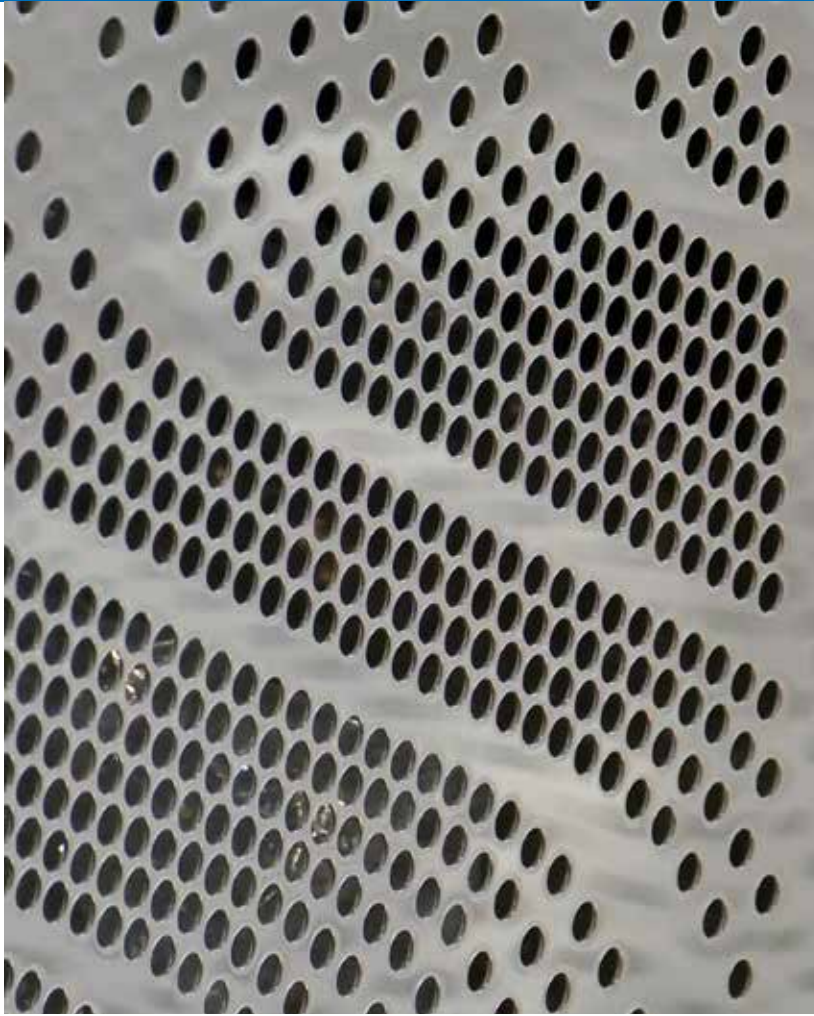


PERFORAZIONI SPECIALI

La lamiera forata può essere utilizzata per realizzare dei progetti completamente unici e personalizzati **non solo nell'architettura per esterni, ma anche per il settore dell'interior design.**

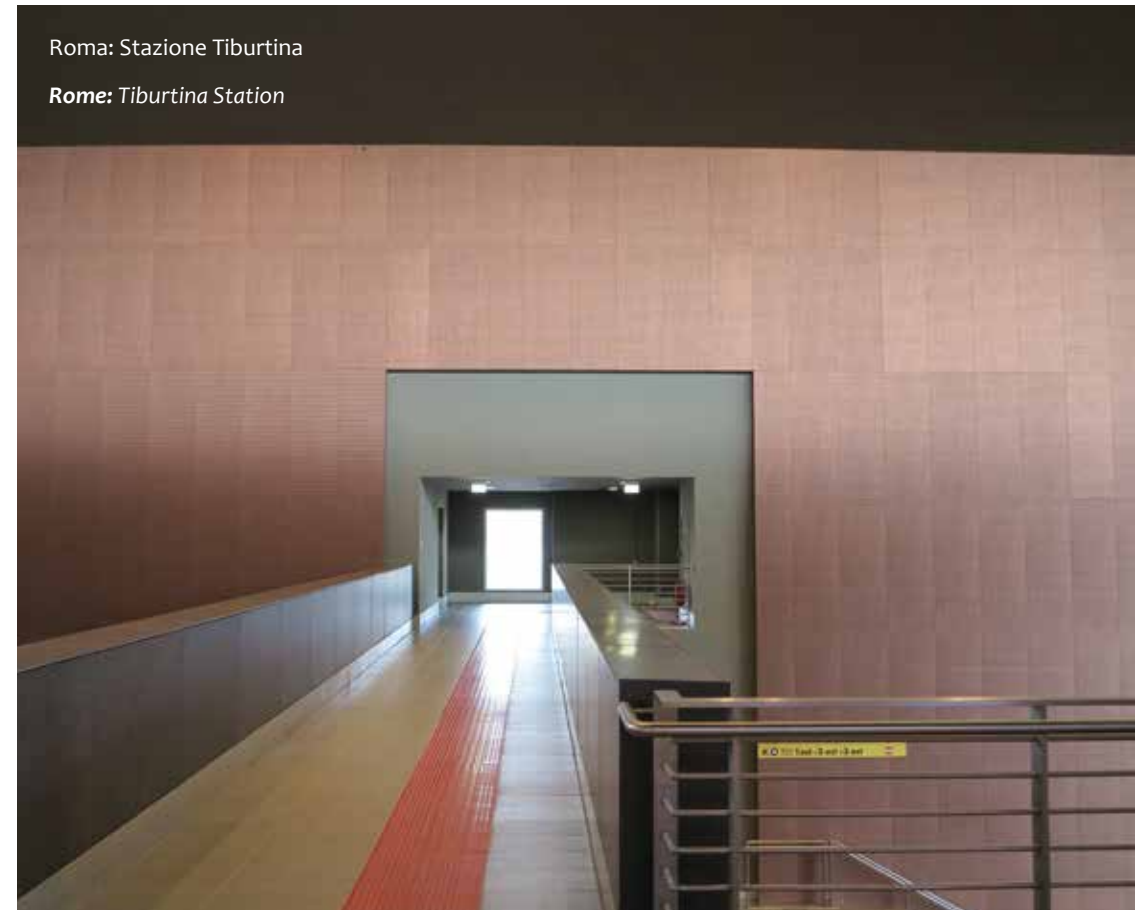
SPECIAL PERFORATION

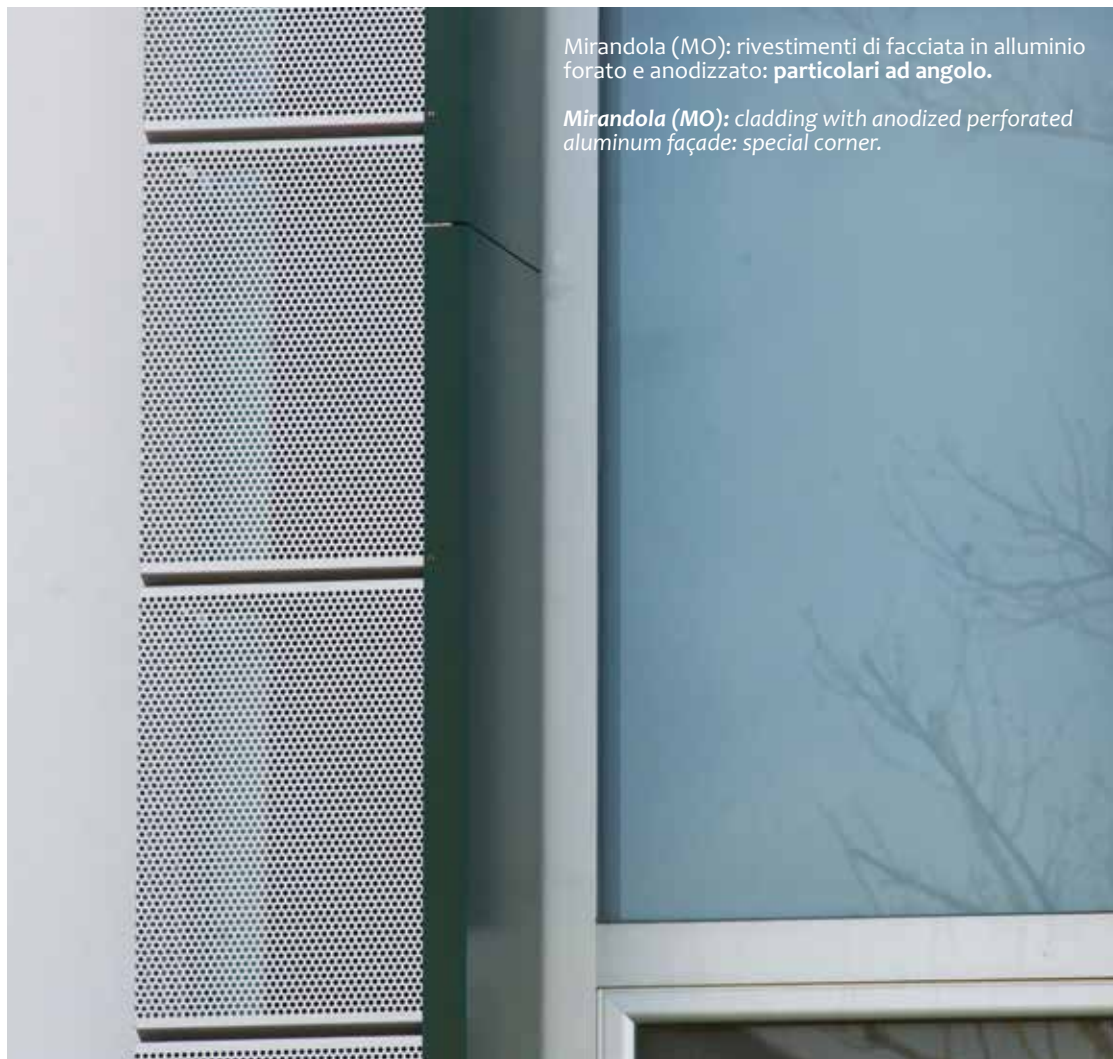
*Perforated sheets can be used to realize completely unique and personalized projects **not only for outdoors architecture but also for the sector of interior design.***



Roma: Stazione Tiburtina

Rome: Tiburtina Station





Mirandola (MO): rivestimenti di facciata in alluminio forato e anodizzato: particolari ad angolo.

Mirandola (MO): cladding with anodized perforated aluminum façade: special corner.



Reggio Emilia:
parapetto in Corten forato e calandrato
per un viadotto.



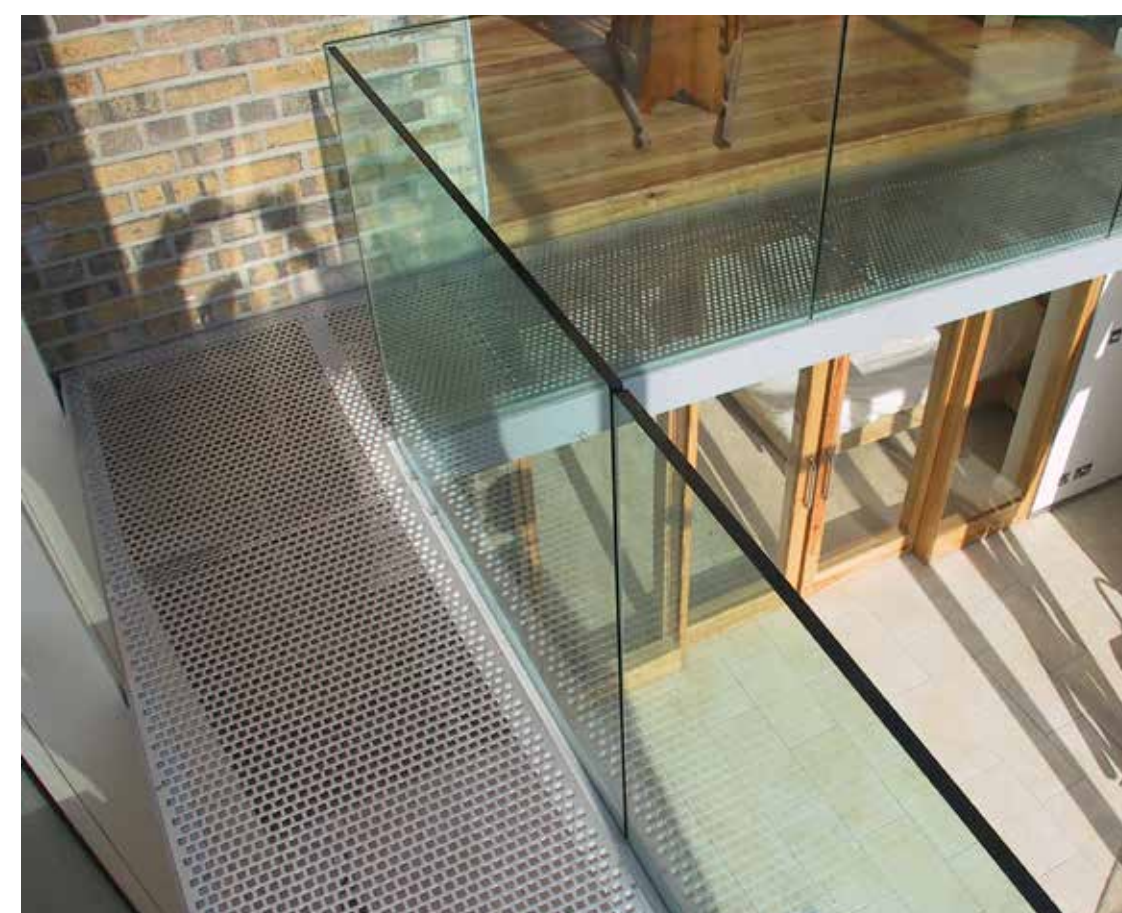


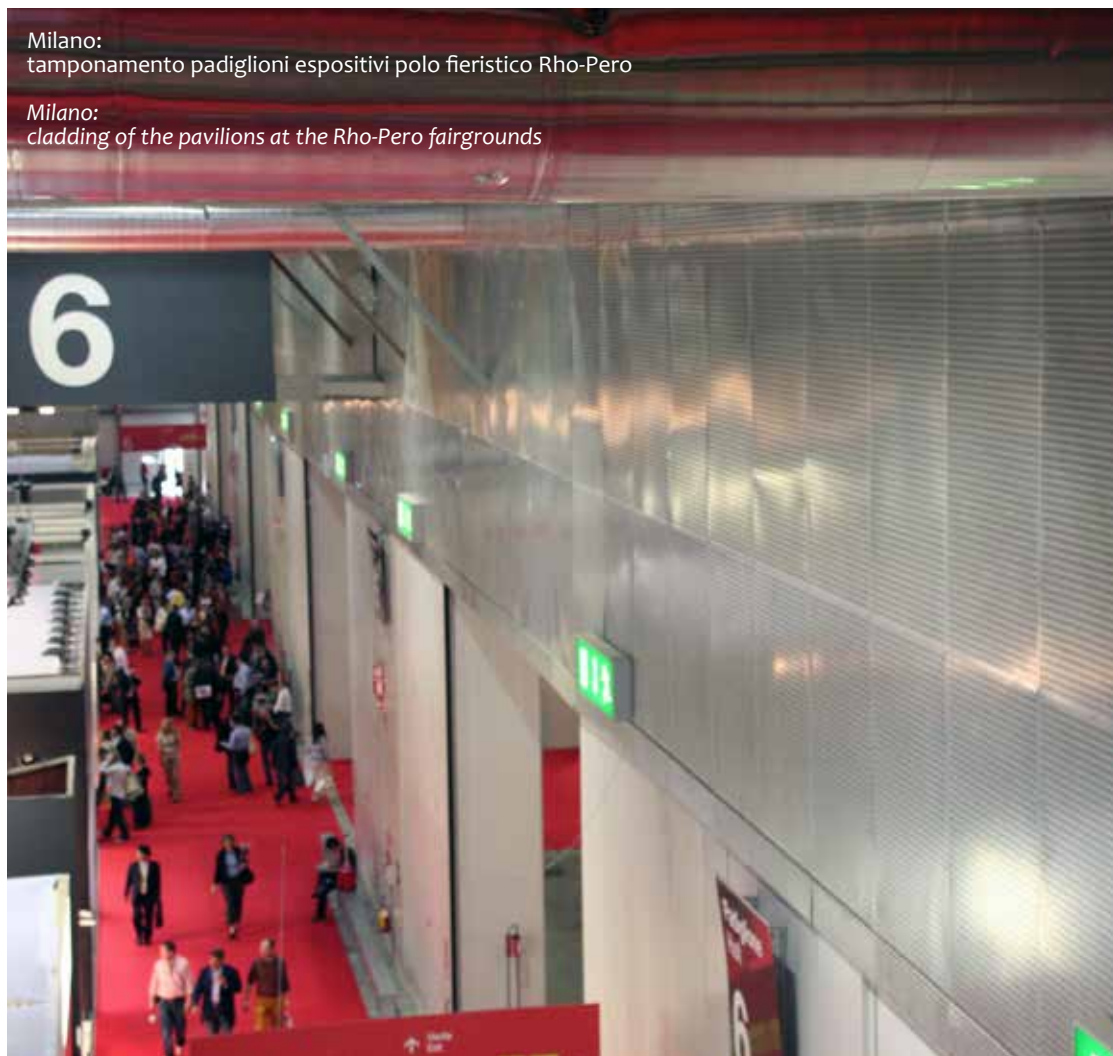
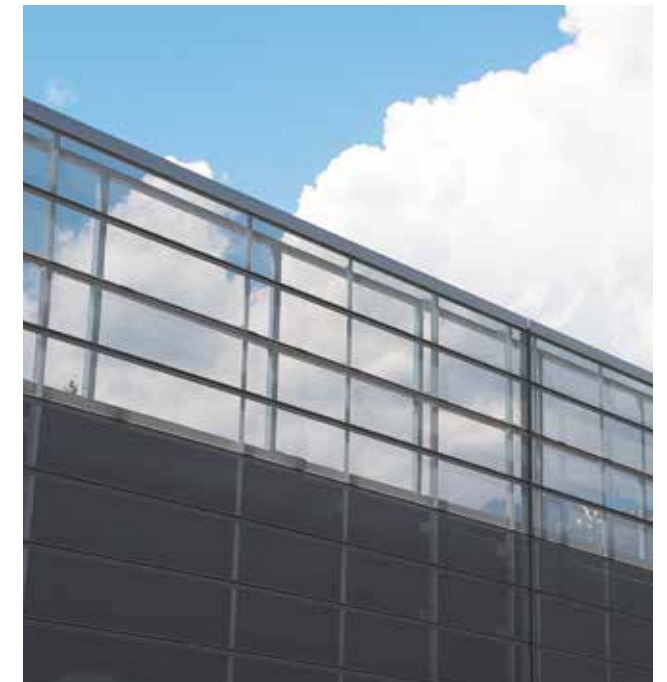
Milano: Colines



Zermatt:
parapetti di balconi realizzati con travi di legno e lamiere forate in acciaio inox

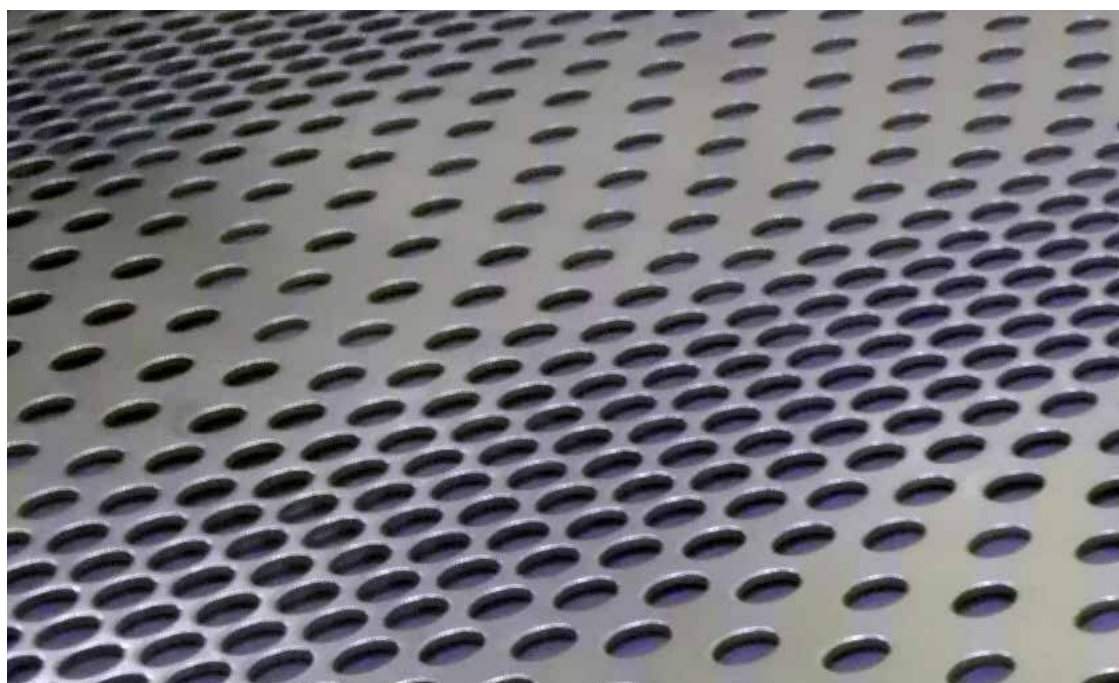
Zermatt:
balustrade infills made of perforated stainless steel



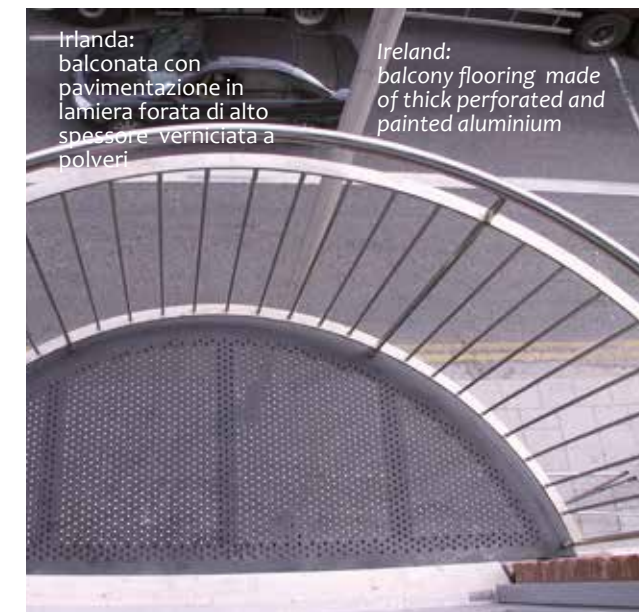


Innsbruck/Media Markt:
sistemi di facciata ventilata in lamiera forata
di alluminio verniciato

Innsbruck/Media Markt:
ventilated façades made of perforated aluminium



Irlanda:
lamiera forate per fioriere in acciaio verniciato
*Ireland:
painted perforated steel sheets for flower boxes*



Irlanda:
balconata con
pavimentazione in
lamiera forata di alto
spessore verniciata a
polveri
*Ireland:
balcony flooring made
of thick perforated and
painted aluminium*





Germania, Francoforte/Fiera - Parcheggio Rebstock:
tamponamento orizzontale del parcheggio
multipiano realizzato con grigliato
tipo GRIPP zincato a caldo

Germany: Frankfurt trade fair multi storey car
parking Rebstock: horizontal cladding panels
made of hot-dip galvanized Gräpel Gripp



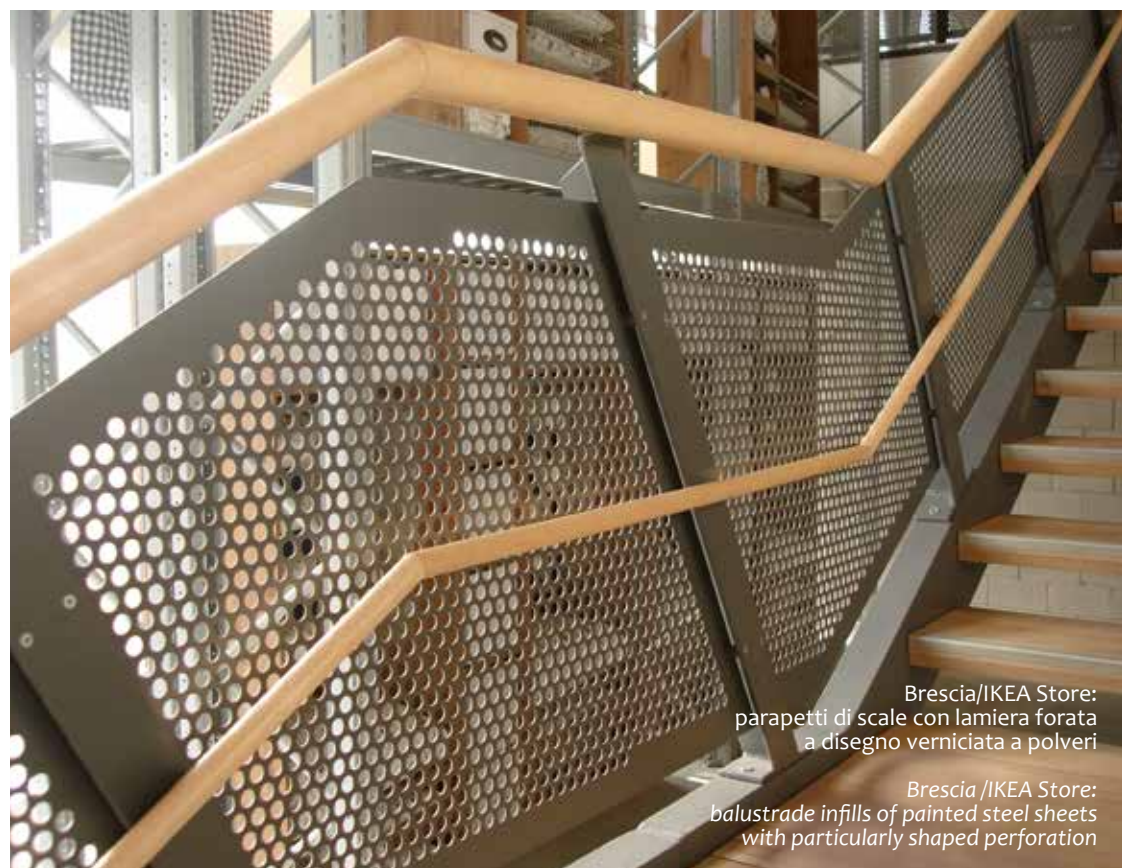
Irlanda:
pannelli appesi a funi d'acciaio in lamiera
forata sagomata a misura, con funzione
estetica e di controsoffittatura

Ireland:
perforated and shaped panels,
hung by means of steel ropes for
aesthetic and false ceiling purpose



Brescia/IKEA Store:
parapetti di scale con lamiera forata
a disegno verniciata a polveri

Brescia /IKEA Store:
balustrade infills of painted steel sheets
with particularly shaped perforation



Irlanda:
balconata con pavimentazione in lamiera
forata di alto spessore verniciata a polveri

Ireland:
balcony flooring made of thick
perforated and painted aluminium



Isola di Capri:
cancellata in lamiera forata
e particolari di ferro battuto verniciati a liquido

Isle of Capri:
painted fencing panels of perforated steel
and wrought iron details



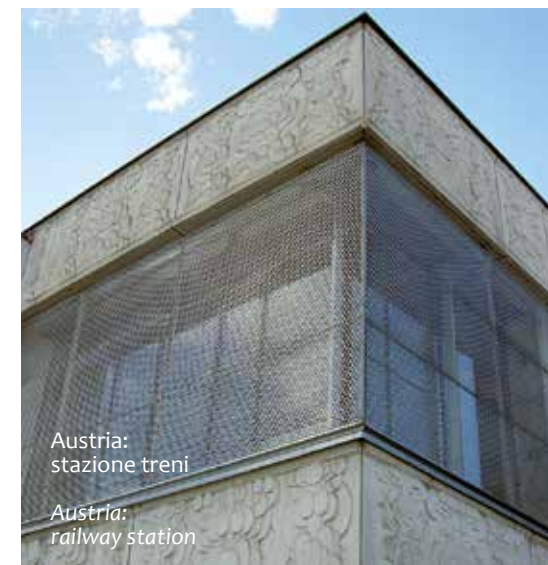
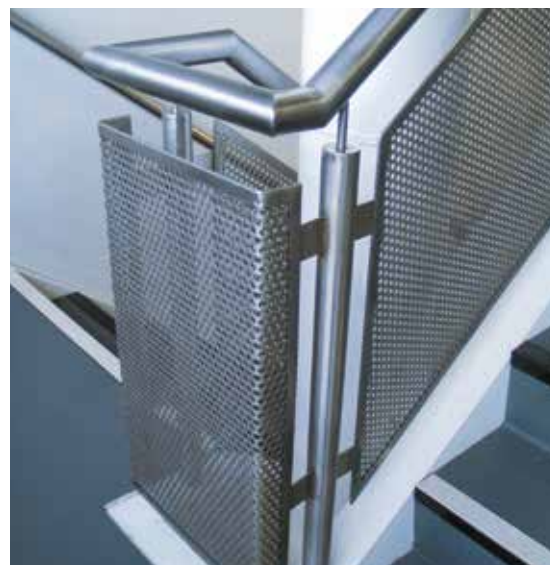
Irlanda:
pontile mobile realizzato in legno
di teak e grigliato in alluminio

Ireland:
landing wharf made of teak
and aluminium grating



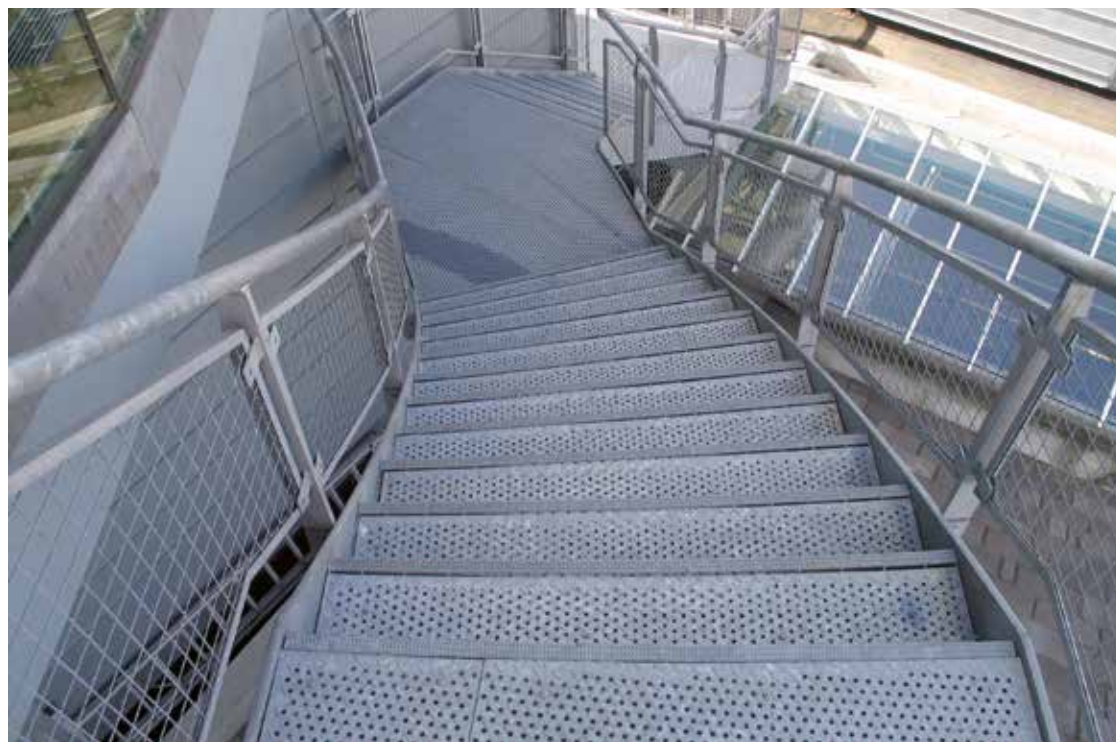
Irlanda:
lamiere forate per fonoassorbenza e completamento
di archi portanti verniciati a polvere

Ireland:
sound absorbency and completion of bearing arches
by means of painted perforated sheets



Austria:
stazione treni

Austria:
railway station



Irlanda:
tamponamento verticale
di un parcheggio multi piano realizzato
in lamiere forate in acciaio inox

Ireland:
vertical stainless steel cladding panels
in a multi storey car parking



Canazei:
camminamento antiscivolo tipo Graepel Gripp, ingresso
cabinovia

Canazei:
anti slip walkway made of hot-dip galvanized Graepel Gripp,
front of the entrance of a cableway



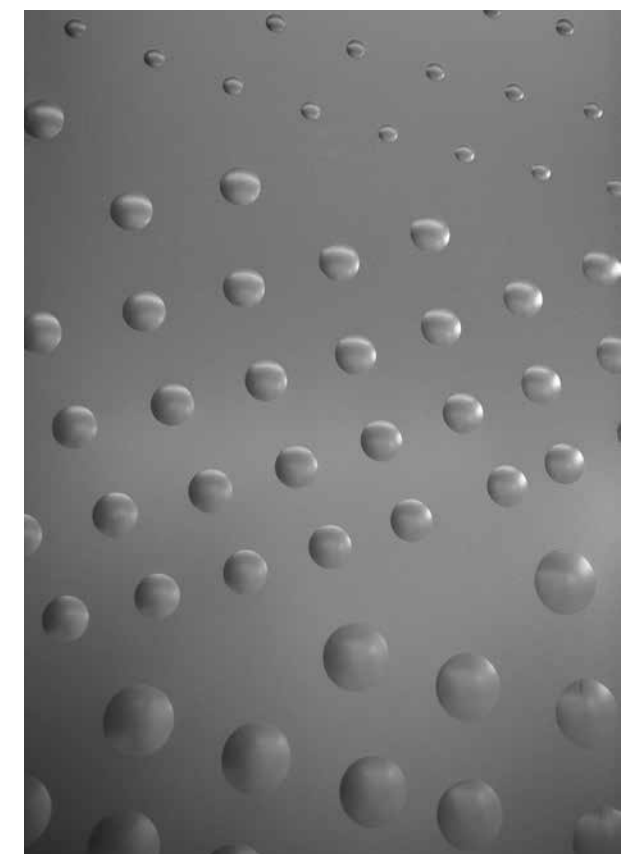
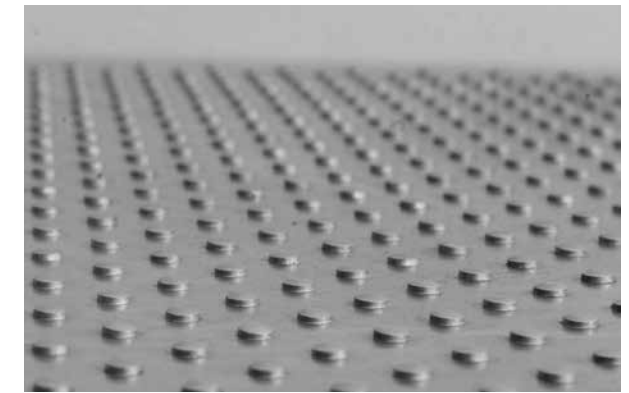
Grazie alle moderne tecniche di perforazione, è possibile affiancare pannelli forati creando un effetto visivo di continuità. Recinzioni, ringhiere, rivestimenti esterni ed interni, controsoffittature, pannelli fonoassorbenti e/o frangisole, elementi decorativi per restyling di facciate e ambienti: sono solo alcuni dei possibili impieghi della lamiera forata. I risultati che si ottengono sono molteplici: strutture alleggerite, elementi decorativi, passaggio d'aria, schermature, protezioni, ecc.

Le esigenze tecniche sempre in evoluzione, l'impatto estetico da non trascurare e l'economicità di realizzazione, sono problematiche che committente e progettista devono affrontare costantemente nel settore dell'architettura. Con l'utilizzo della lamiera forata si concretizza la possibilità di conciliare questi aspetti.

La foratura dei pannelli, oltre ad alleggerirne il peso, permette sia il filtraggio che la diffusione dell'aria, della luce e dei suoni. Inoltre l'effetto rilucente degli acciai lucidi piuttosto che quello opaco degli acciai satinati o dell'alluminio, trasmette un senso futuristico all'osservatore.

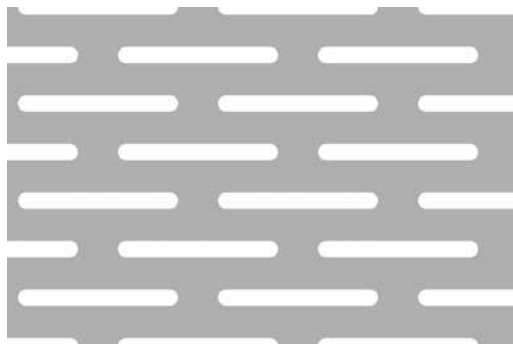
Thanks to the modern perforation systems it is possible to put sheets side by side so to give a continuity effect to the sight. Fencings, banisters, internal and external panelling, false-ceiling-coverings, deadening panels, sunshades, decoration parts for restyling of fronts and interiors are only a few number of the several utilizations of perforated sheets in building and construction. Various results can be reached: lightened structures and frames, decoration parts, air diffusion, shielding, protections, etc. Customer and designer must constantly face several problems in the architectural area such as the always evolving technical demand, the esthetical impact, the economic realization: the use of perforated sheets gives the possibility to match all these aspects.

Perforation of the sheets allows a lighter weight, filtering and diffusion of air, light and sound. Moreover the shining effect of bright steel or the matt finish for glazed steel or aluminium gives a futuristic sense to the observer.

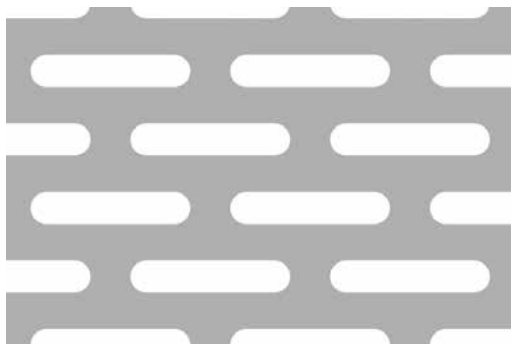


ESEMPI DI PERFORAZIONE

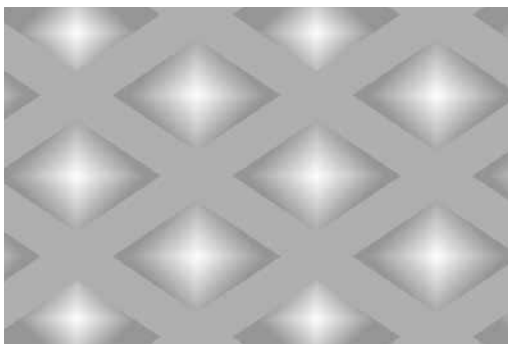
Examples



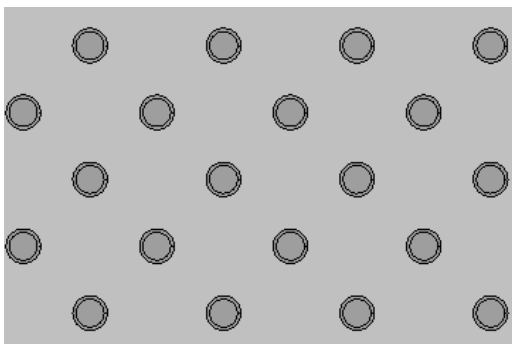
2x20 p. 6x25 v/p 27%



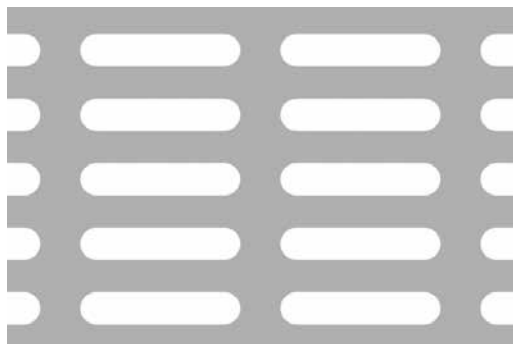
4x20 p. 8,5x25 v/p 36%



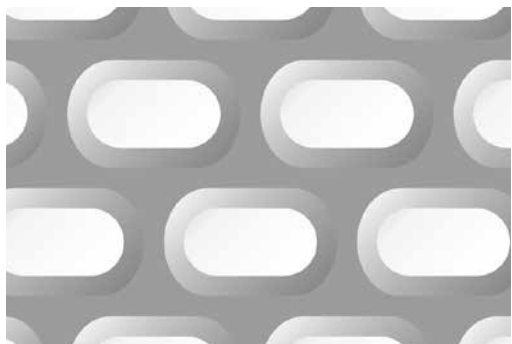
bugna 14x21 p. 20x30



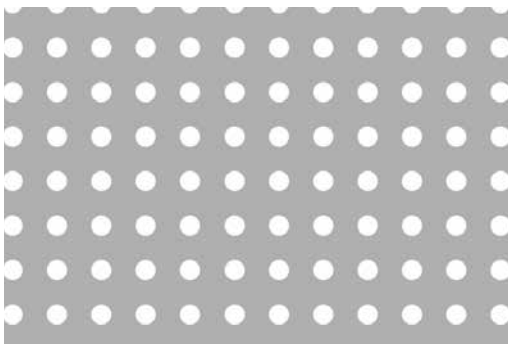
Gba 520



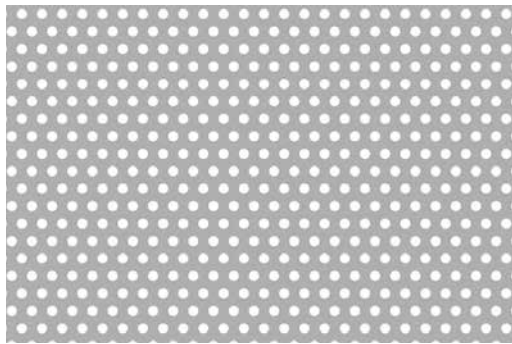
4x20 p. 8x25 v/p 38%



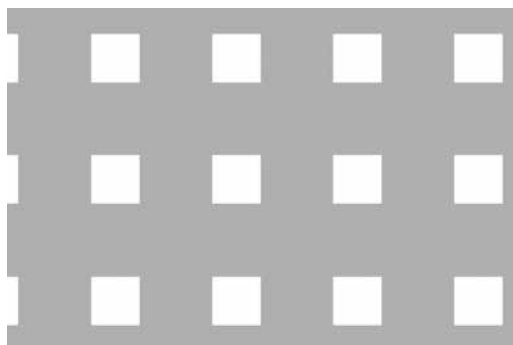
10x20 svas. p. 19x29 v/p 33%



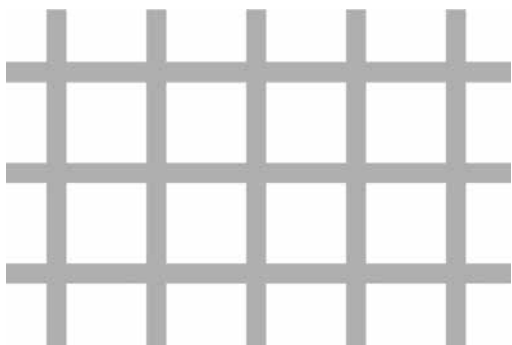
d. 2,5 p. 5,5 v/p 16%



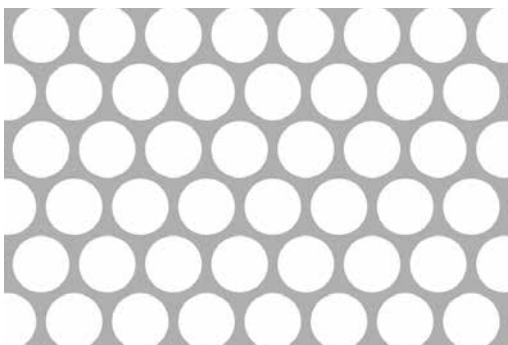
d. 1,25 p. 2,5 v/p 23%



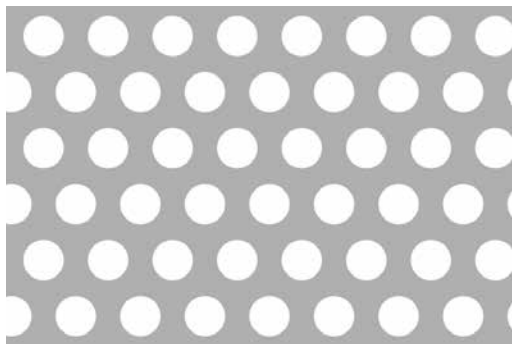
6x6 p. 15 v/p 16%



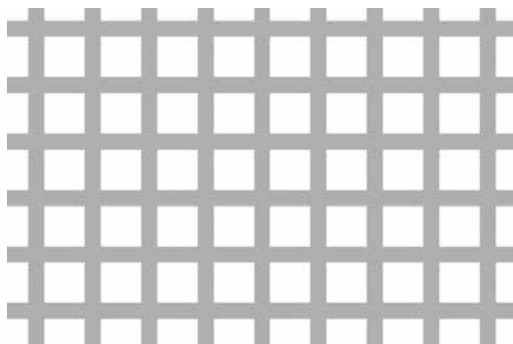
10x10 p. 12,5 v/p 64%



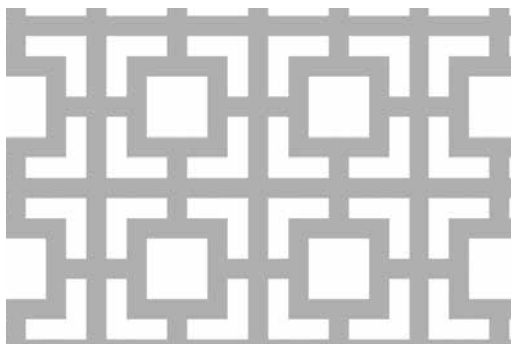
d. 7 p. 8,2 v/p 66%



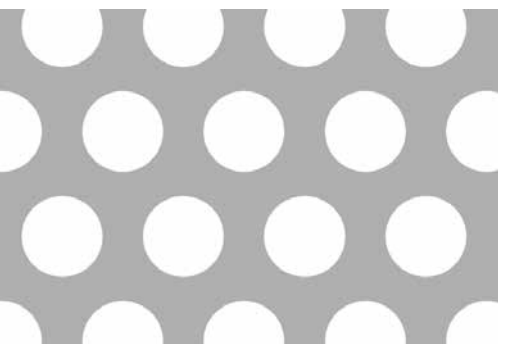
d. 5 p. 8 v/p 36%



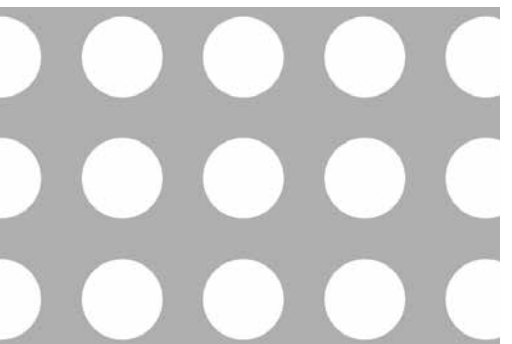
5x5 p. 7 v/p 51%



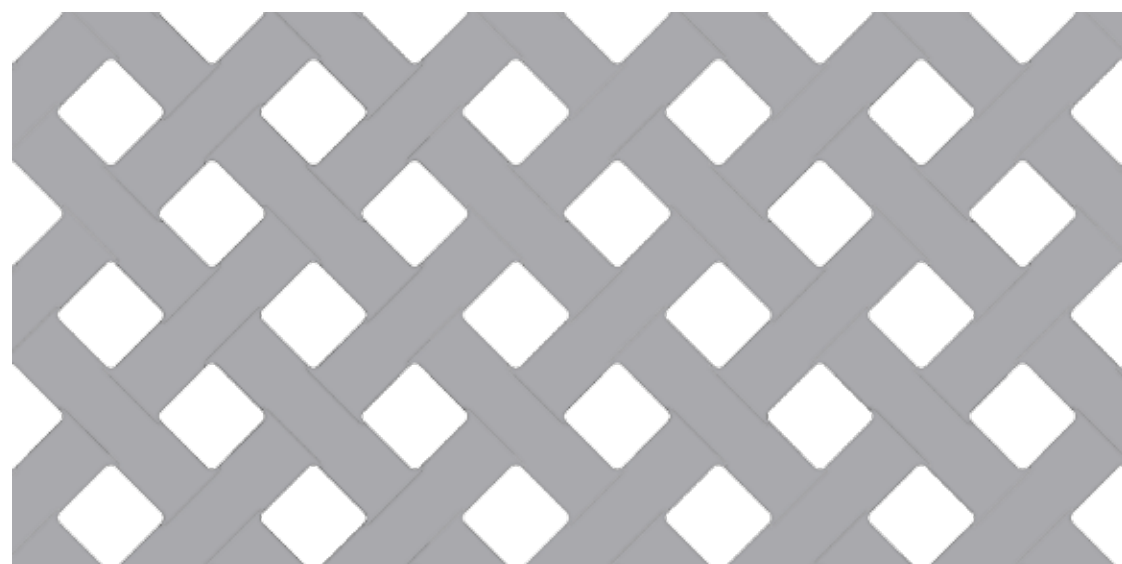
GF5 p. 20 v/p 39%



d. 10 p. 15 v/p 40%



d. 10 p. 15 v/p 35%



Intrecciato 10

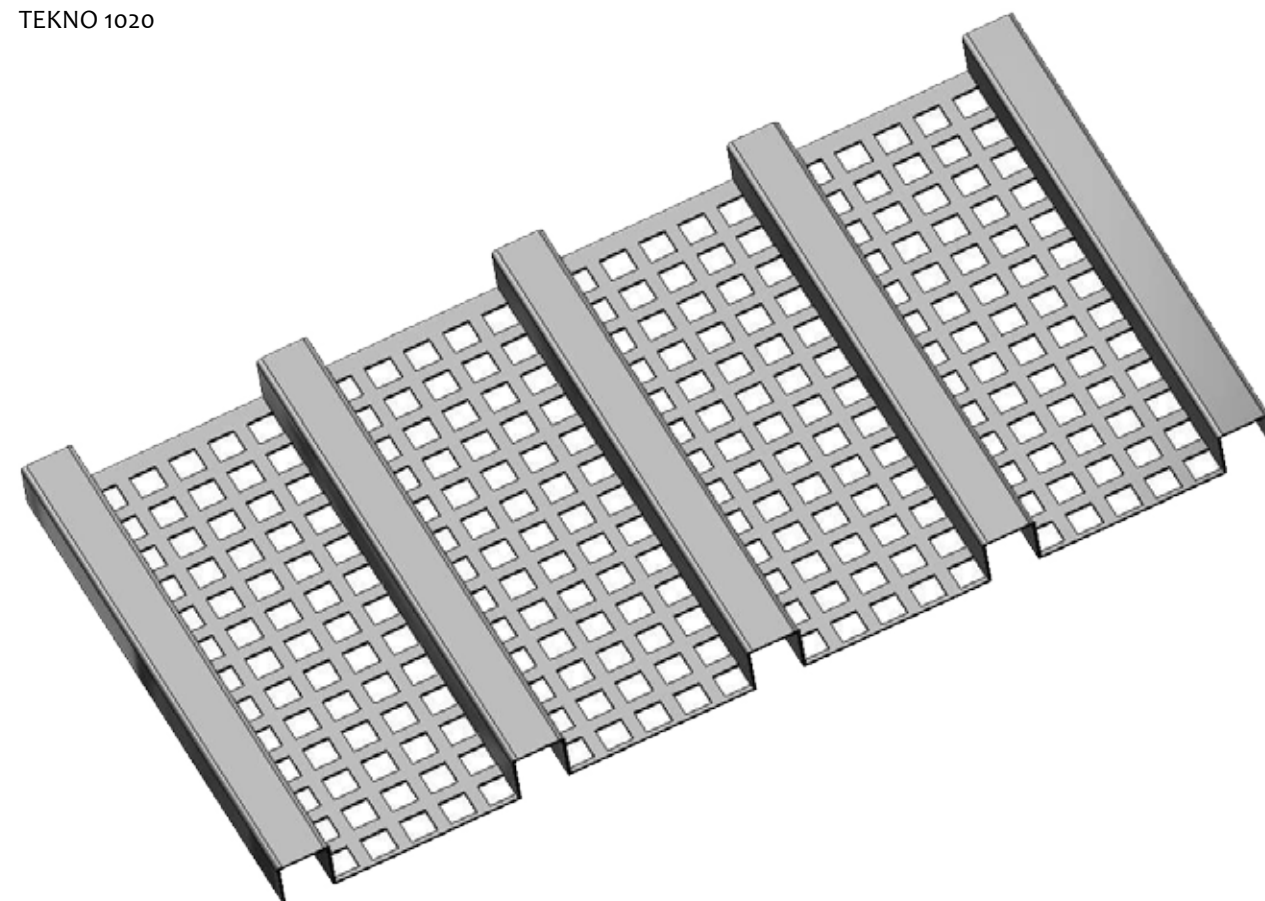


Quadro 30x30 (r=6, diag. 45°) p. 36

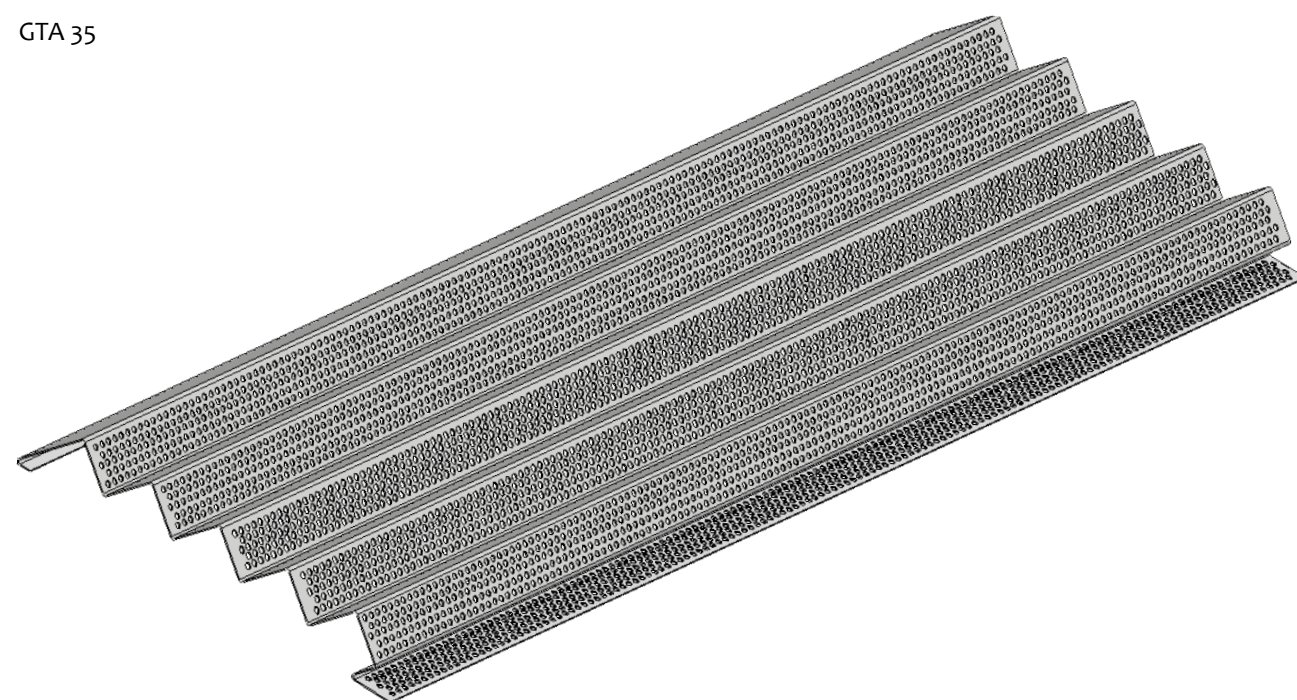


GF 100

TEKNO 1020



GTA 35



La famiglia Graepel è nel ramo della perforazione dei metalli sin dal 1889. Oggi il gruppo Graepel, gestito direttamente da membri della stessa famiglia, con sei moderni impianti e più di 800 addetti in Italia, Germania, Irlanda e Gran Bretagna è una delle società leader mondiale del settore.

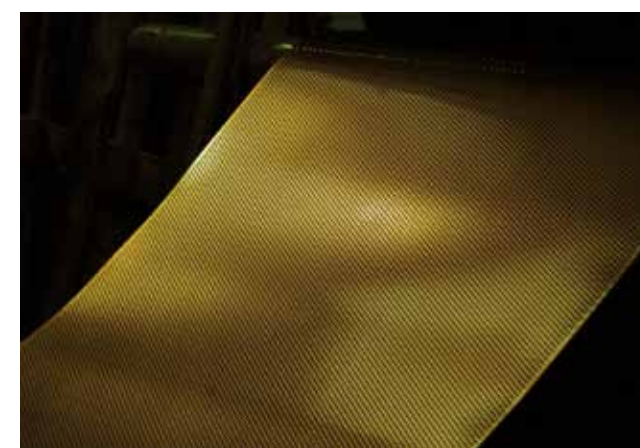
Lo stabilimento italiano, GRAEPEL ITALIANA con sede a Sabbioneta (MN) ha più di 80 addetti, una superficie coperta di 16.000 mq ed un'estensione totale di 60.000 mq. Il nostro reparto di attrezzatura è dotato di macchine a CNC di primo livello e si occupa della produzione di stampi per la perforazione di alta precisione. Le nostre sofisticate linee di perforazione raggiungono velocità di 500 colpi/minuto, capacità fino a 500 tonnellate e possono perforare nastri fino a 1.500 mm di larghezza. La sola pressa CAPS (Computer Aided Perforating System) presente in Italia nel nostro reparto di perforazione può forare lamiere fino a 15 mm di spessore.

L'ampia dotazione nel nostro reparto di finitura, tra cui piegatrici e cesoie a controllo numerico, presse meccaniche ed idrauliche, strumenti per la saldatura e la puntatura, ci consente di lavorare materiali perforati e non a seconda delle necessità dei nostri clienti.

Più di 15.000 fogli di lamiera forata, centinaia di tonnellate di coils e fogli in ferro grezzo, acciaio o ferro zincato e altri materiali non ferrosi sono costantemente tenuti a magazzino, al fine di assicurare tempi di consegna rapidi.

The Graepel family has been engaged in the metal perforating industry since 1889. Today, the Graepel group, strictly controlled by members of the same family, with six modern manufacturing facilities and more than 800 employees in Italy, Germany, Ireland and Great Britain is one of the leading companies in this business all the world over. Our Italian branch, GRAEPEL ITALIANA in Sabbioneta (Mantova), has more than 80 employees and 16.000 sq.m. of covered surface on a total extension of 60.000 sq. m. Our tool room is equipped with first class CNC machinery and undertakes the manufacture of high precision perforating tools. Our sophisticated all-across perforating lines reach speeds of 500 strokes/min., capacities of up to 500 tons and can perforate coils of up to 1.500 mm width. Italy's only CAPS (Computer Aided Perforating System) sectional perforating press in our perforating shop can perforate plates up to 15 mm thickness.

Extensive equipment in our finishing department, such like NC shearing centers or press brakes, mechanical and hydraulic presses, welding and spot welding facilities, enables us to process perforated and plain materials to customer's requirements. Over 15.000 perforated sheets, hundreds of tons of coils and sheets in mild, stainless or galvanized steel and non-ferrous metals are constantly kept on stock in order to assure short time deliveries.



CERTIFICAZIONI E CONTROLLI DI QUALITÀ

I prodotti sono realizzati nello stabilimento di Sabbioneta (MN). I materiali utilizzati sono tutti certificati nel rispetto delle norme EU. Tutti i materiali vengono sottoposti ai controlli di conformità e radioattività.

CERTIFICATIONS AND QUALITY CONTROL

Our items are produced in our factory in Sabbioneta (Mantova). The materials are all certified in compliance with EU regulations. All the materials are subject to conformity and radioactivity controls.



E INOLTRE...

and also...

Graepel ARCHITETTURA



QBO



OCTOPUSH



NAXOS



OUTPUSH



BI.WAVE

DIFFERENZIATA NEW



FOUR



DRINK P.U.B. INSTANT



MOVE



LIVIGNO



GRIZÙ



ECOBIN



R.O.K. BBQ



R.O.K. II



SWINGING





Manuale e catalogo della lamiera forata
Perforated sheet manual and catalog



Cataloghi
Catalogs



Accessori per la casa / Design
Household goods / Design

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Lamiere forate e stampate