

Security Fences with Design





Security Fences with Design

Notes

Notes section containing 12 horizontal light blue bars for writing.

Security Fences with Design

Design fences are a representative solution for outdoor property protection when the property security system has to adapt to the building architecture. Security fences are when the fence height > 2.0 m overhangs the terrain, the structures are designed to be safe from dismantling and it is considerably more difficult to climb over and crawl under. In addition to protection against unauthorized access, the design fences can also be optionally designed to be breakthrough-resistant with a high containment level. In order to maintain the lightness of the design, the breakthrough-resistant impact base is made of precast reinforced concrete elements. The precast concrete elements are equipped with reverse bending connections and are integrated into the connection reinforcement of the in-situ concrete foundations.

Torwerk design fences are constructions based on many years of experience from renowned projects such as embassies, ministries, police departments and justice administration centres.

The principles presented in this brochure can be varied both in profile shapes and dimensions, allowing completely new designs to be created.

Attributes:

- reliable protection of outdoor areas and open-air grounds with high breakthrough resistance
- excellent adaptability to existing terrain conditions
- flexible in width and height
- robust design
- numerous options, for example adaptation of road gradients, protection against over-climbing
- high resistance against environmental influences
- high stable value
- representative and timeless design

Use for property protection, especially for:

- authority facilities
- ministries
- judiciary administrations
- embassies
- police departments
- museums
- industrial plants and power plants
- military facilities
- airports (check-in areas)

Security Fences with Design

TORWERK– Long-lasting corrosion protection in 4 steps:



The coating thickness is 260 µm, all requirements on corrosion protection stresses according to DIN EN 12944-2 C4 (long protective effect) are met.

First-class haptics due to:

- a hermetically welded construction
- a surface free of zinc cavities
- welding seams that are ground flatly (mitre corners) after zinc coating
- no warping of the surface because of zinc cavities

Environmentally friendly procedure:

- no use of solvents
- recycling of oversprays

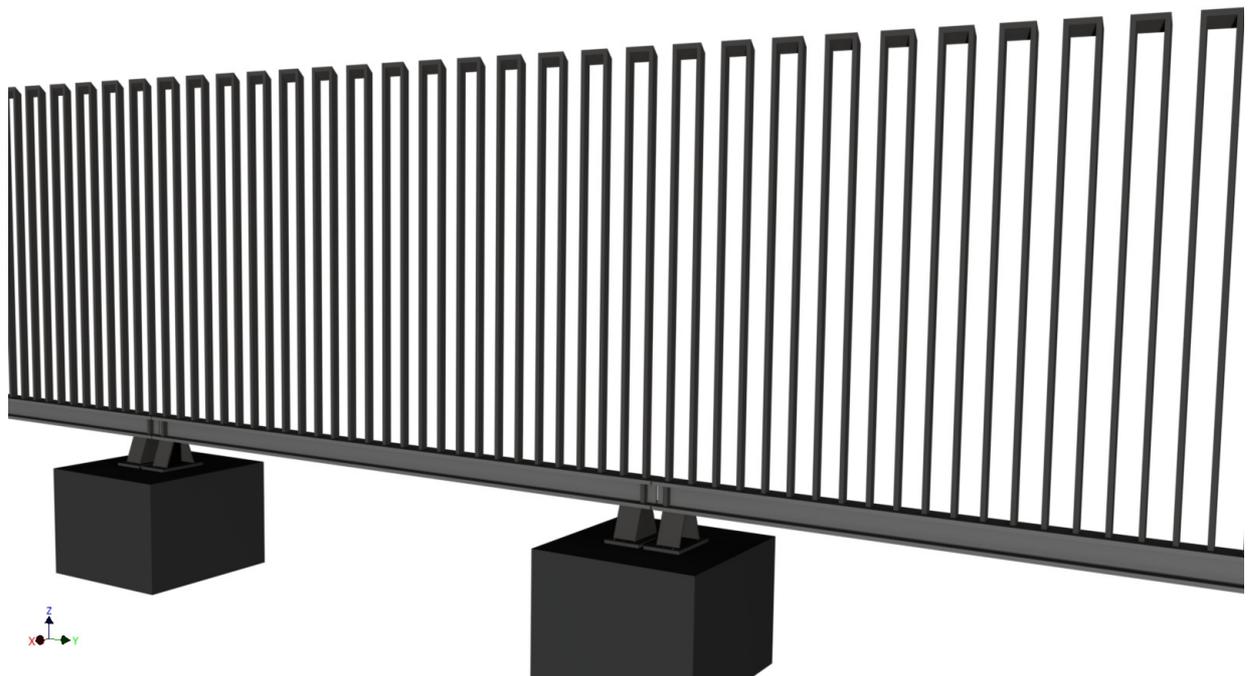
Torwerk-assembly service:

Every constructed design fence panel is delivered completely pre-assembled. The assemblers only need to unload the fence panel onto prefabricated foundation provided by the customer, align it, level it using the adjusting screws and anchor it with the provided dowels. Time-consuming reading of manuals and sorting of components and fasteners are reduced to a minimum.

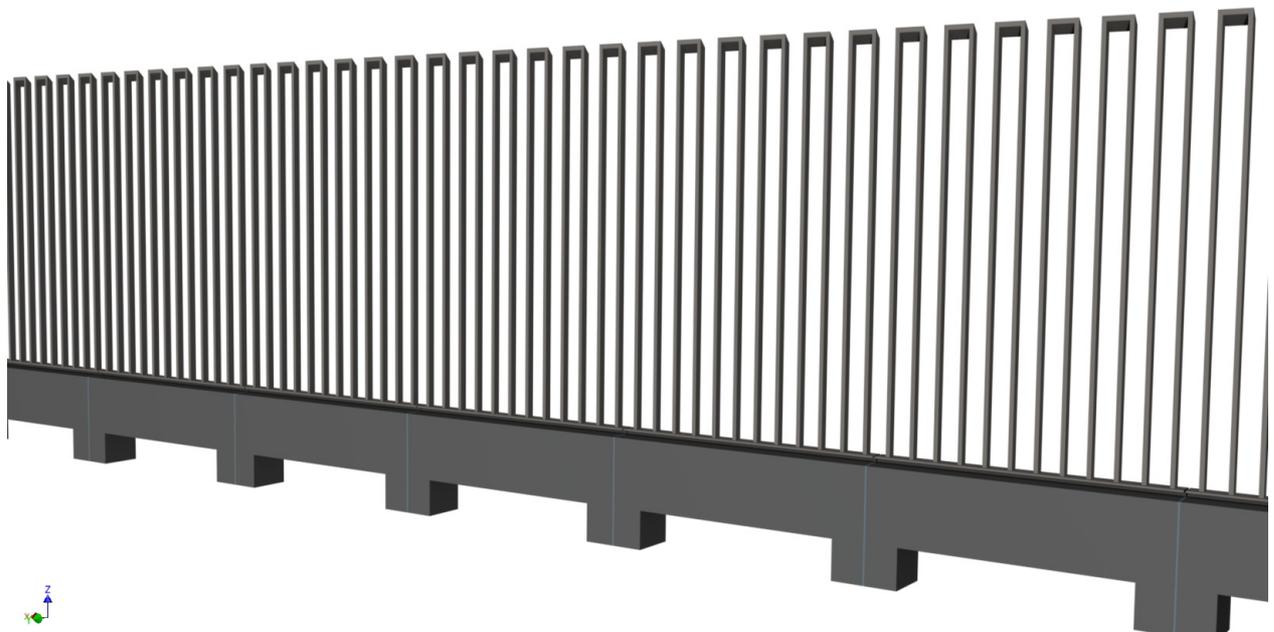
Security Fences with Design

Versions / Names:

Model Moabit

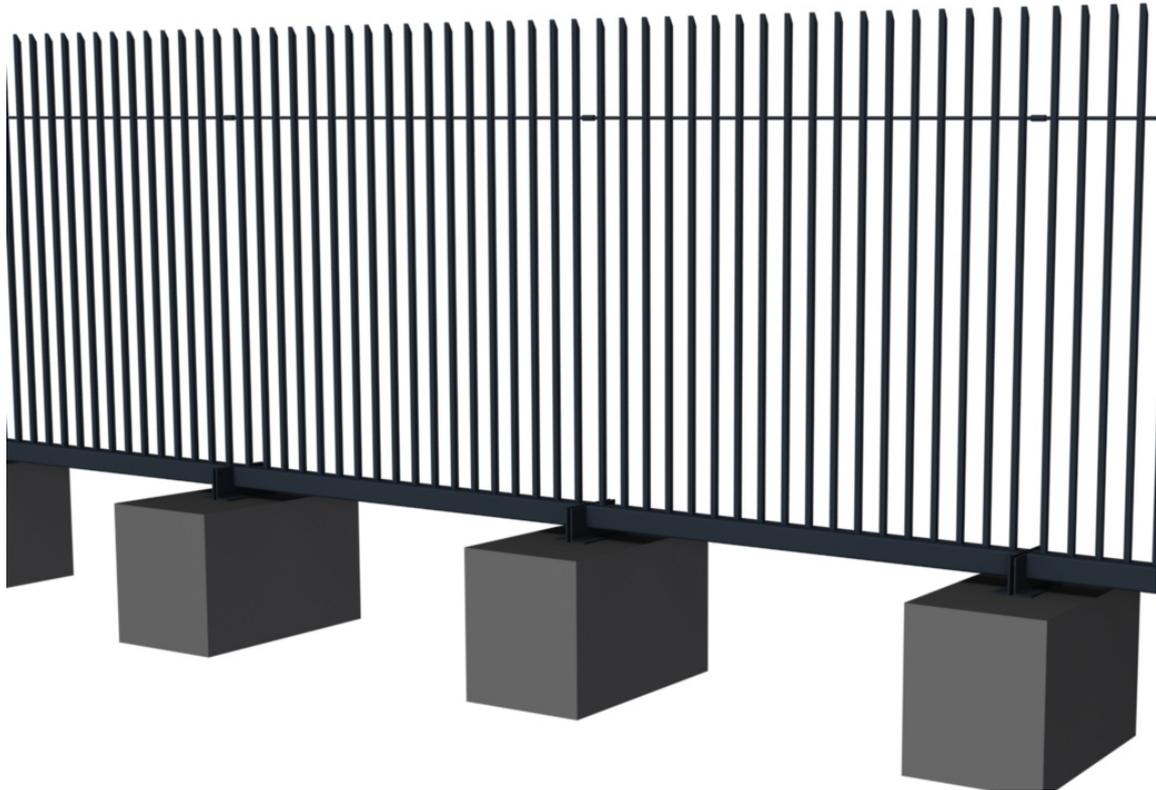


Model Moabit with impact-resistant base



Security Fences with Design

Model Glashütte

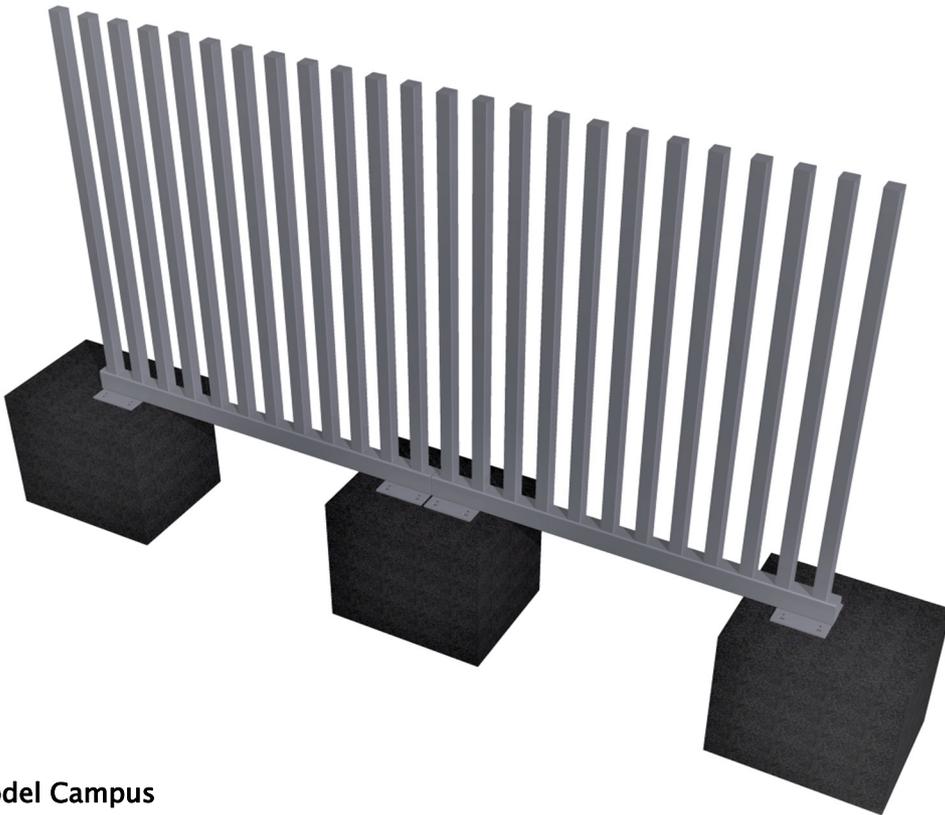


Model Botschaft

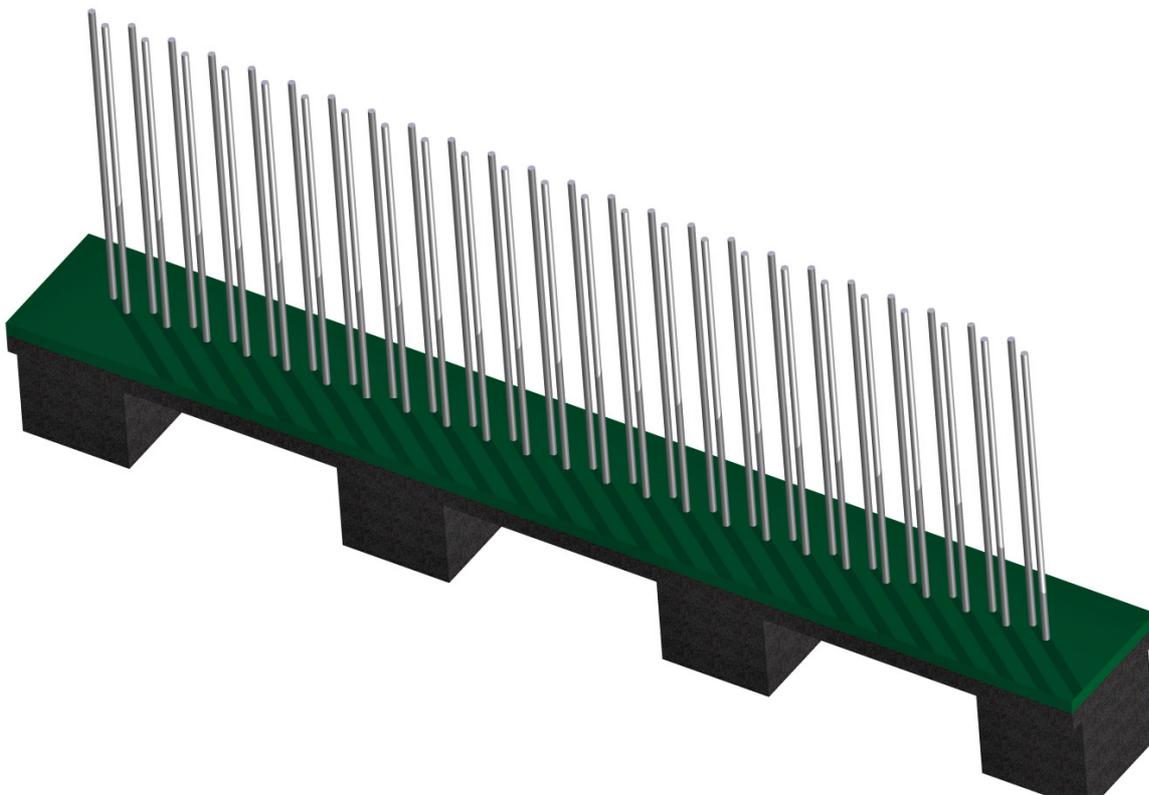


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Model Adlershof

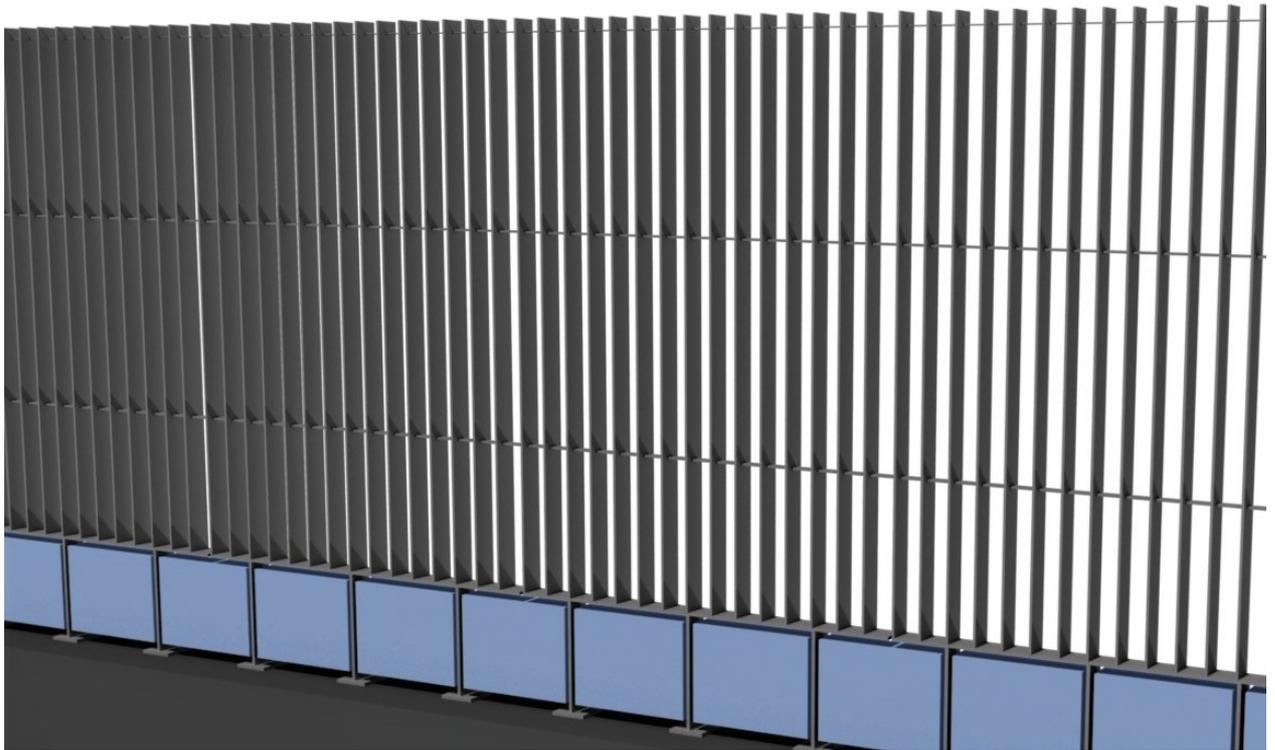


Model Campus

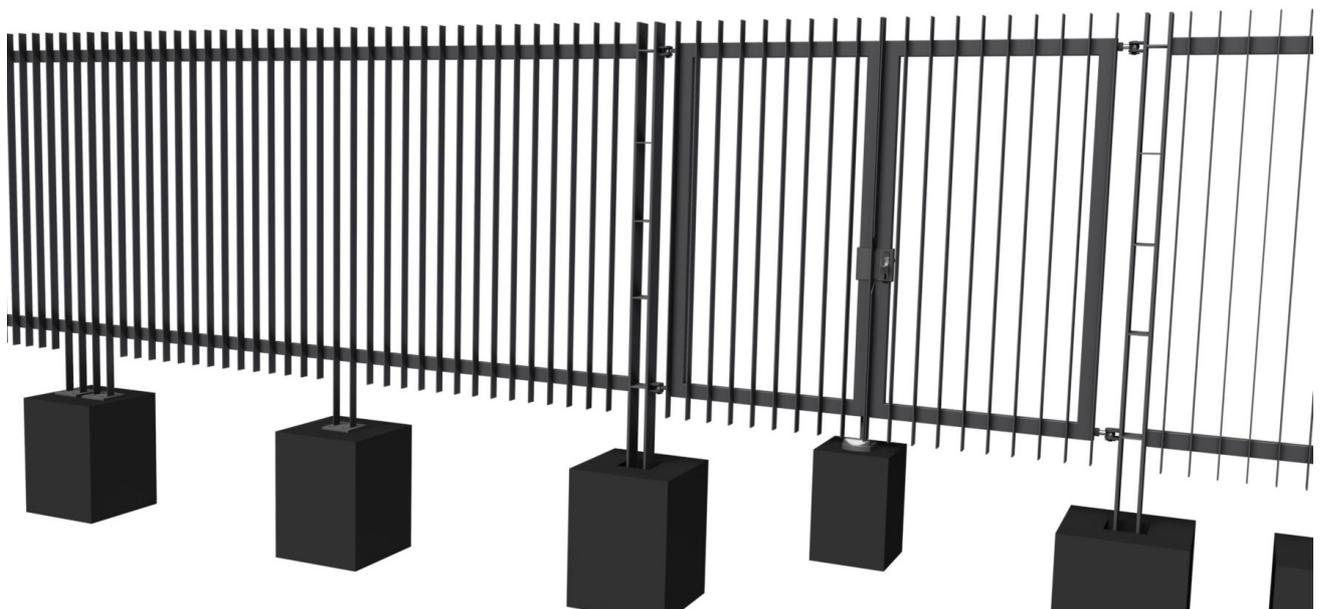


Security Fences with Design

Model Depot

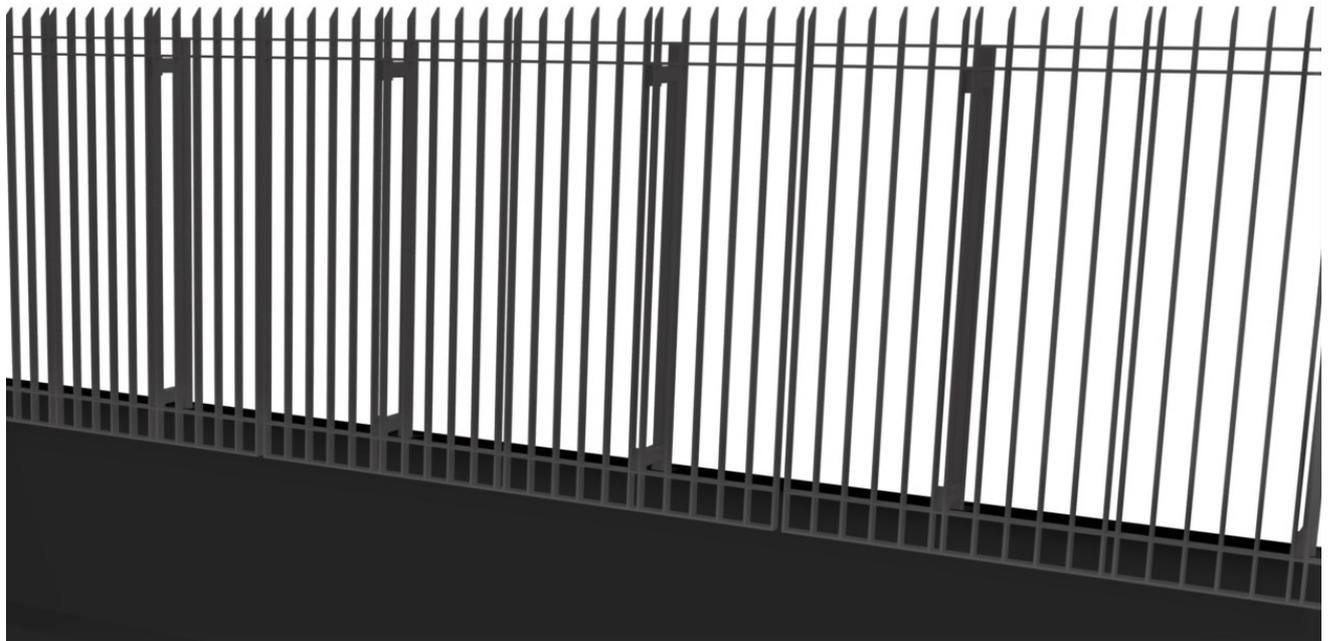


Model Depot (skeletonised posts)



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Model Bendler



Model Schilleranlagen



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User demands for impact loads in fences can best be met by using precast concrete bases that can be playfully integrated into the overall view. The key advantage of this construction method lies in the apparent lightness of the fence elements, which can be easily integrated into the urban area. The architect also has considerably more design and selection options with the pale profiles.

Due to continuous development and standardisation of the impact bases, concrete elements can be delivered in fair-faced concrete quality, optimised for transport. The built-in rear bend connections allow T- or L-shaped connections with in-situ concrete in order to meet static specifications to be able to also realize in an exposed position.



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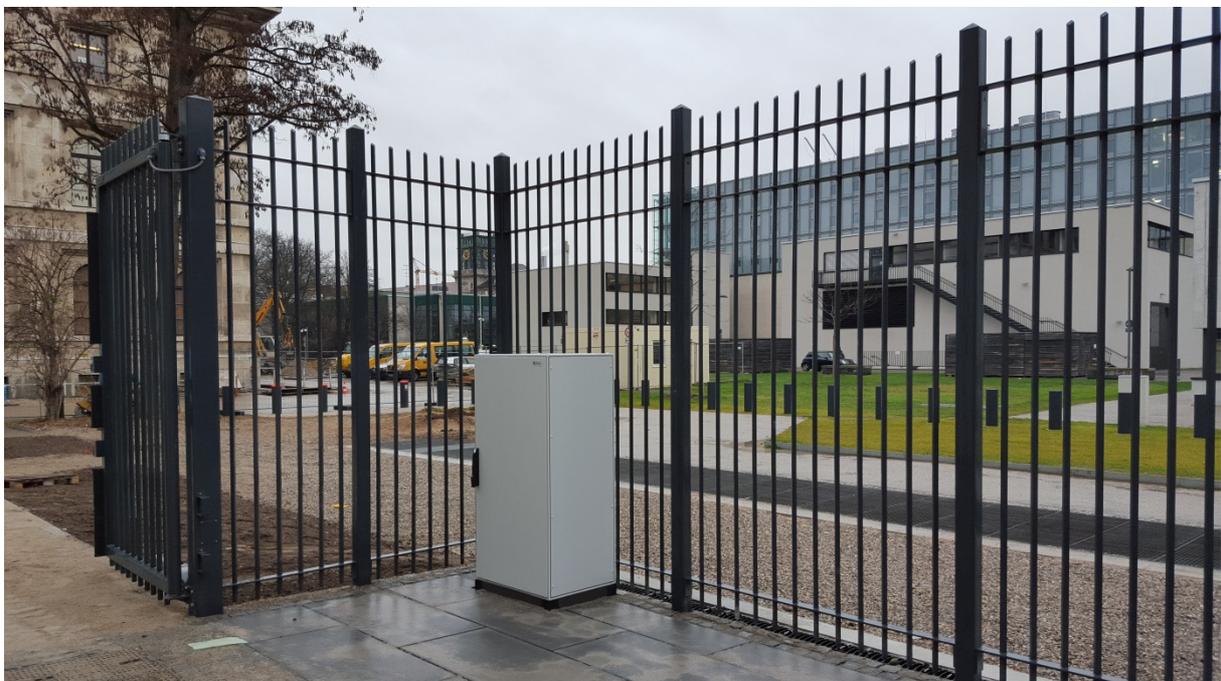
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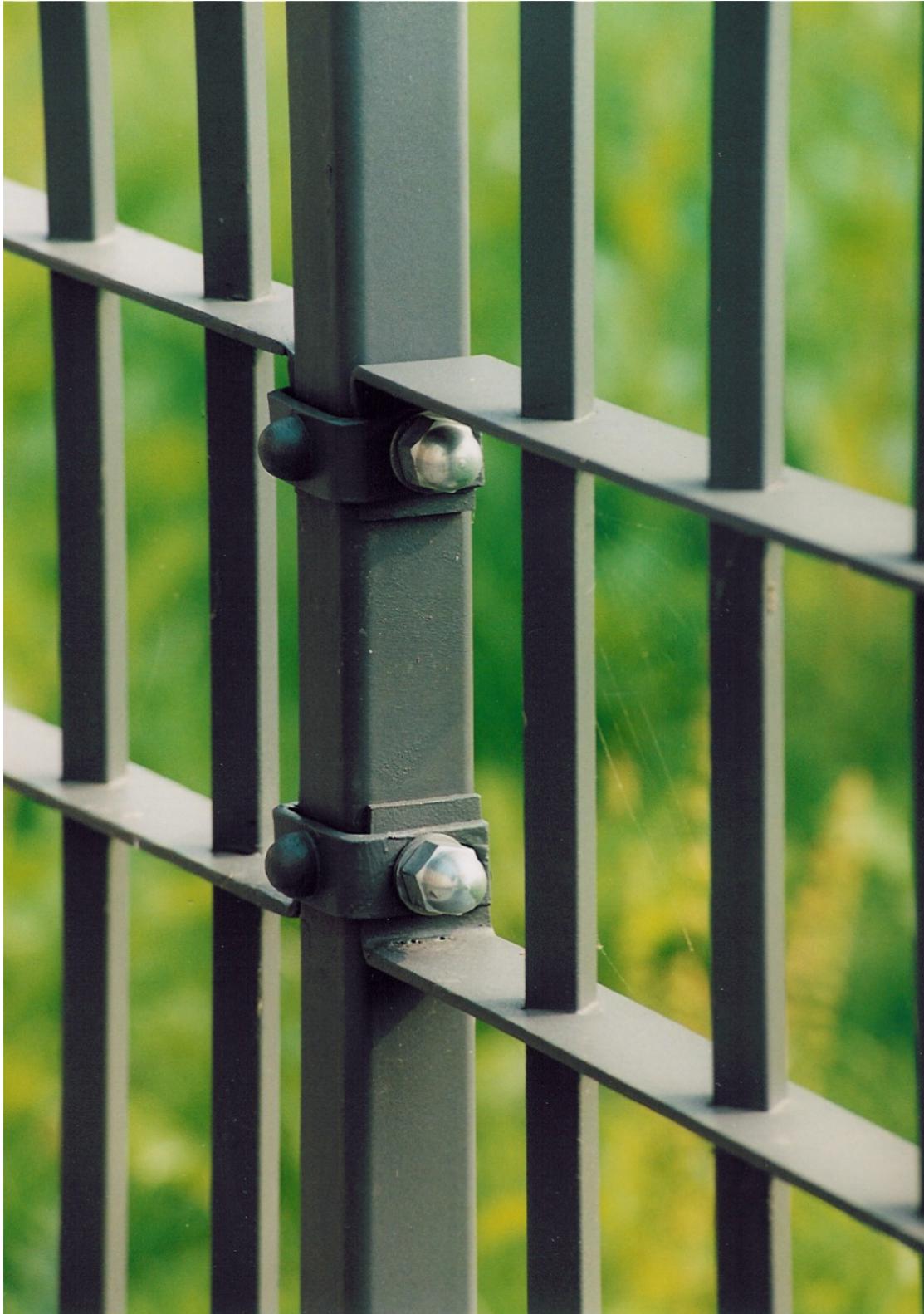




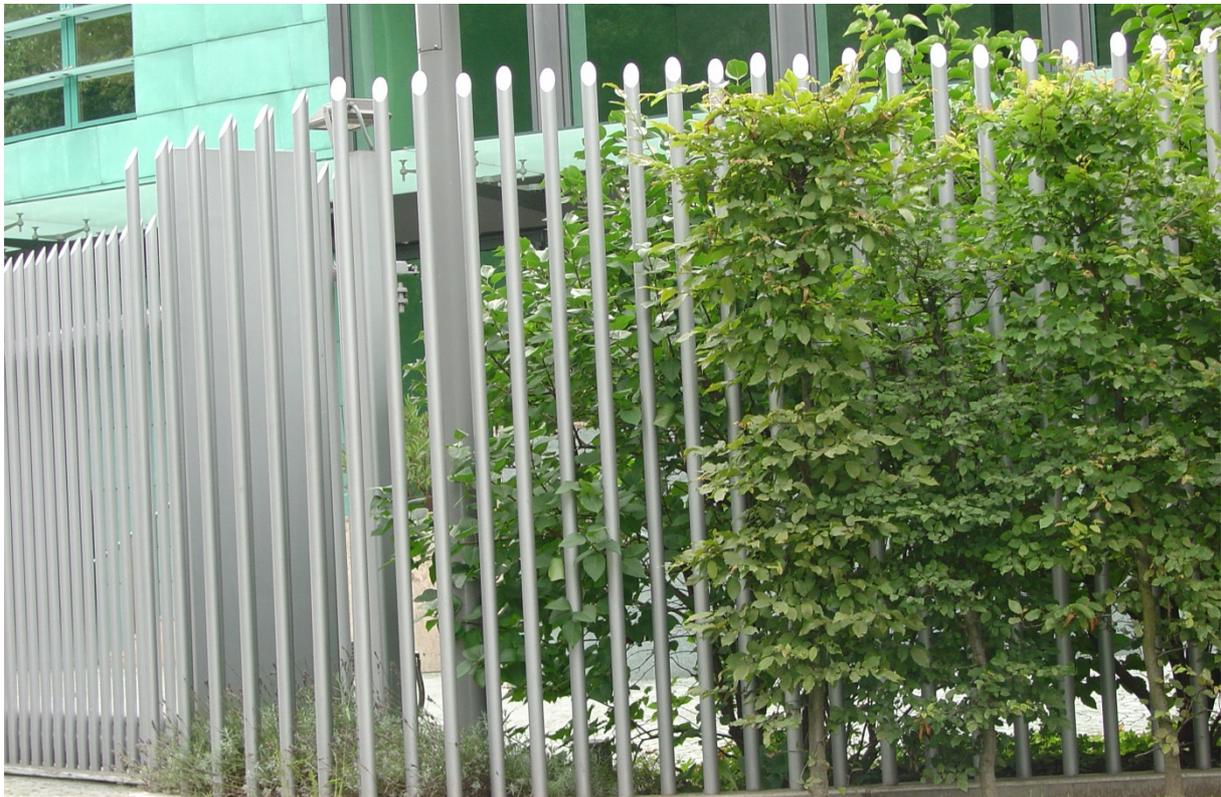
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