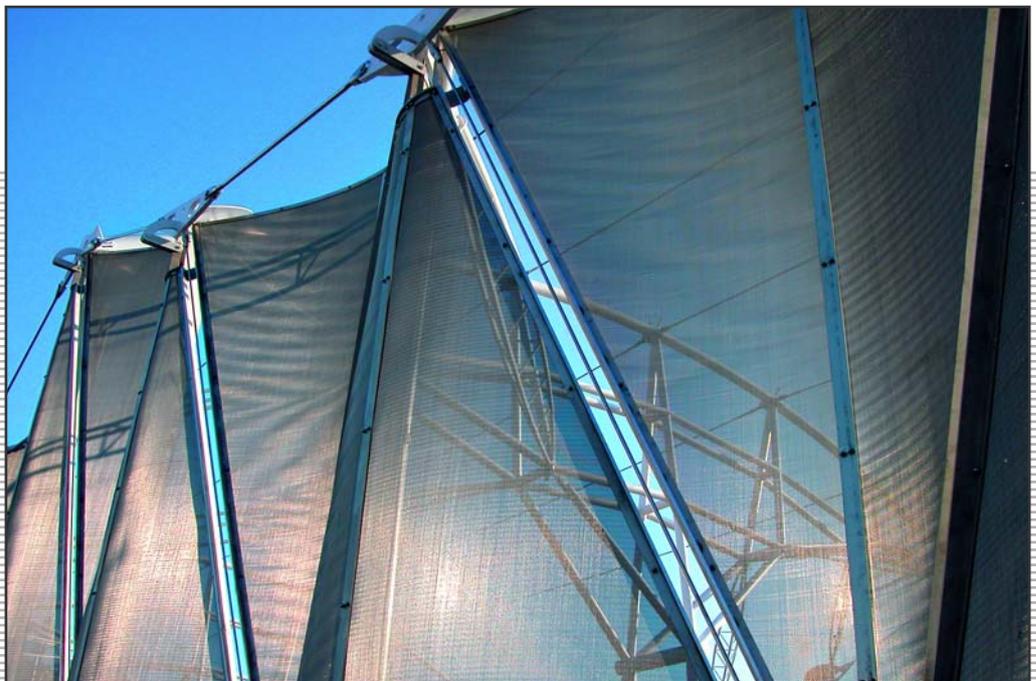
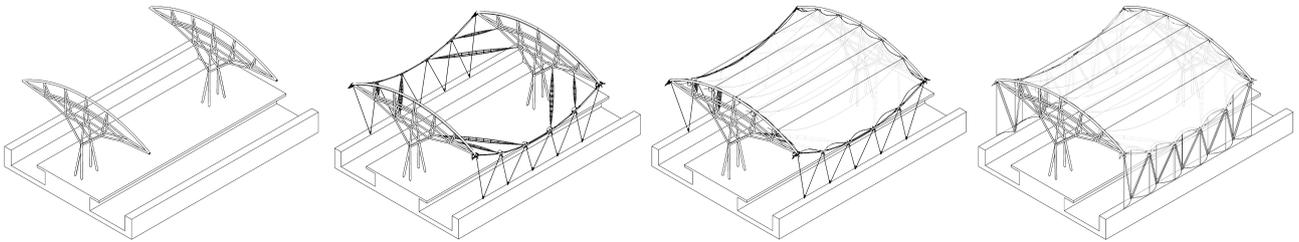


## Erasmus Metro Station in Brussels





*Isometric projection of the frame.*

The metro station near Erasmus Hospital in the west of Brussels is the terminus for line 1B in the city's rapid transit system. A lightweight steel structure with membrane roof and translucent side panels stretches the whole length of the 170-m long central platform.

The primary load-bearing frame is made up of T-shaped tubular steel columns. The tips of the cantilevered arms are connected horizontally with stainless-steel cables. A double-curved membrane roof of fire-resistant coated fibreglass fabric stretches over the arched upper chords and the edge cables. Inward-curving panels of stainless-

steel mesh (grade EN 1.4404) form the façade, protecting the waiting passengers from the wind. By day the mesh affords a view of the surroundings, and at night people outside can see into the illuminated station – a factor which enhances the feeling of security for the station's users.

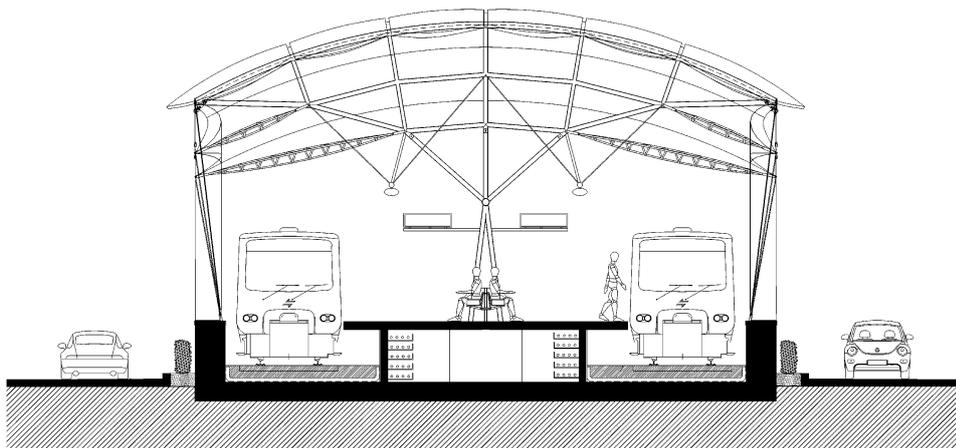
The surface of the fibreglass membrane is resistant to graffiti and therefore very low-maintenance. For the station furniture – benches, information panels, etc. – stainless steel was preferred because it is a material that is robust, easy to clean and therefore cost-effective to maintain.

*Stainless-steel mesh on the façades of the metro station promotes an open, welcoming impression.*





*At night the illuminated interior is easily visible from the outside.*



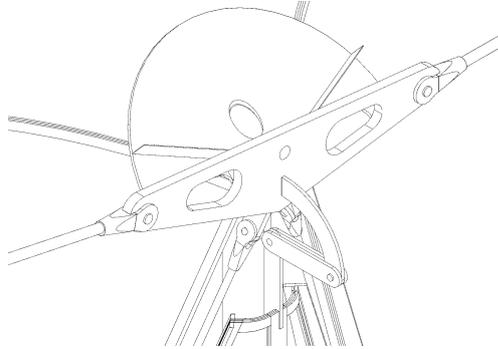
*Section  
scale 1:200*



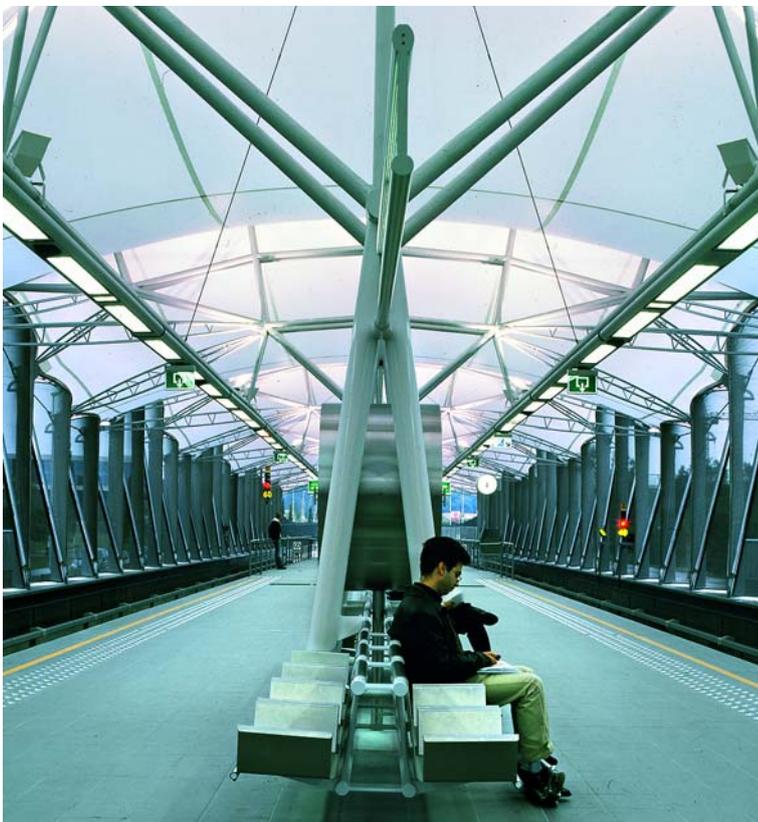
*The façade panels are of stainless-steel mesh (grade EN 1.4404) with an open area of 27%.*

ERASMUS METRO STATION IN BRUSSELS

*The stainless-steel fixing points for the roof membrane and the tie rods are designed to take up temperature-related changes in length.*



*The station furniture, e.g. benches and information panels, is made of stainless steel.*



*Stainless steel caps over the membrane junctions promote ventilation of the spaces below.*

Euro Inox

Diamant Building, Bd. A. Reyers 80,  
1030 Brussels, Belgium

Tel. +32 2 706 82 67

Fax +32 2 706 82 69

E-mail [info@euro-inox.org](mailto:info@euro-inox.org)

Internet [www.euro-inox.org](http://www.euro-inox.org)

Client: Brussels-Capital Region, Dept. for Infrastructure and Transport, Belgium

Architects and structural engineers: Samyn and Partners, Brussels, Belgium

Text and layout: circa drei, Munich, Germany

Translation: Ingrid Taylor, Munich, Germany

Drawings: Samyn and Partners, Brussels, Belgium

Photos: Samyn and Partners, Brussels, Belgium

(cover, p.3 top, middle); Vercruyssen & Dujardin, Ghent, Belgium (p.1, p.2 top right, bottom, p.3 bottom);

Marie-Françoise Plissart, Brussels, Belgium (p.2 top left)