

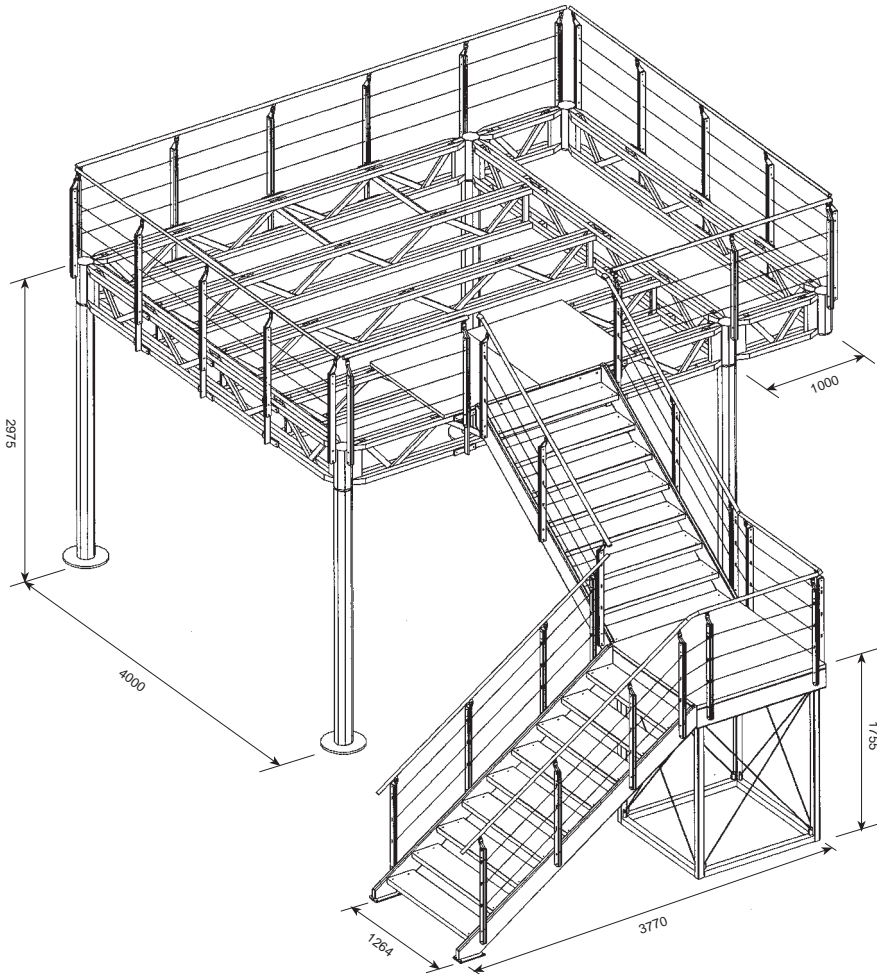
Computer Animation by: D&M Heidelberg

Area – costs – profit

**Load Bearing Girder**

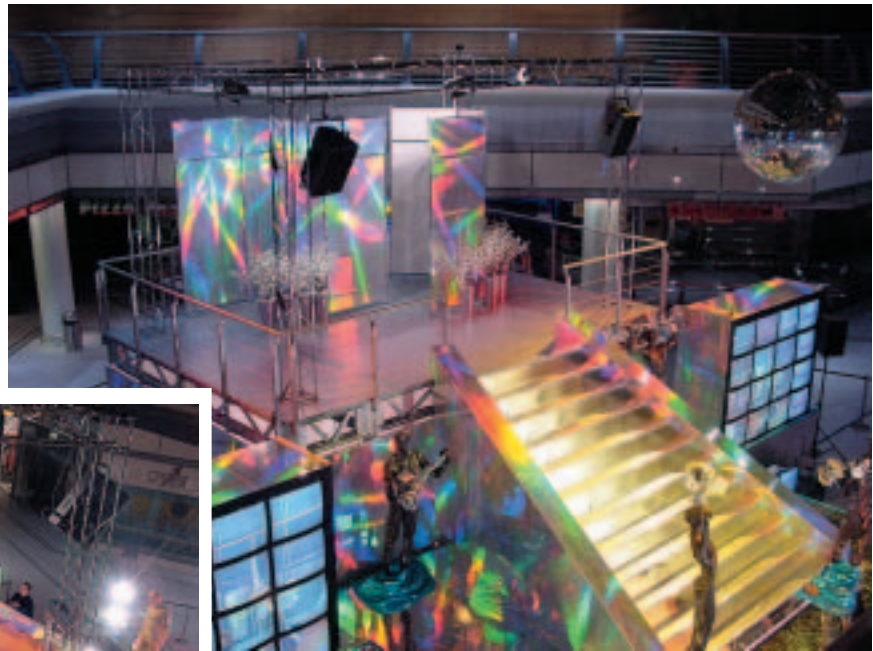
**4D**® **System**

# The Construction



- fast assembly and disassembly.
- optimization of girder height, span width and weight.
- construction with supports without crossbracing or wall panels.
- few different components.
- incl. proved static computation.

The MERO exhibition floor, supports and connection details from the 4D System complete the basic framework.



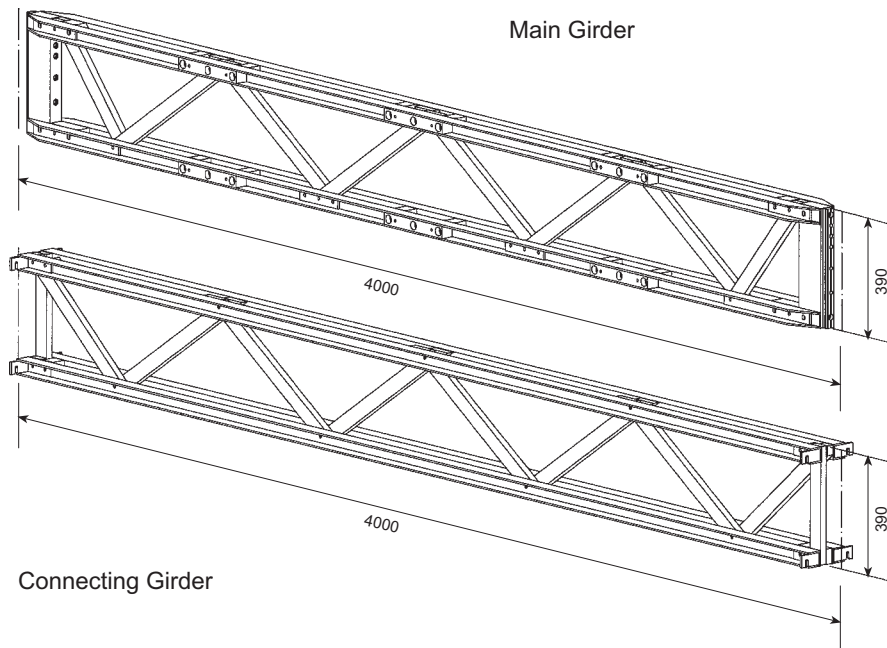
An advantage also for smaller constructions: **low construction height of 42cm incl. exhibition floor.**

*Project example:*  
24m<sup>2</sup> double deck stand for fashion show in Potsdam/Germany.

*Design & Execution:*  
Rappich Systembau, Germany.



# The Girders

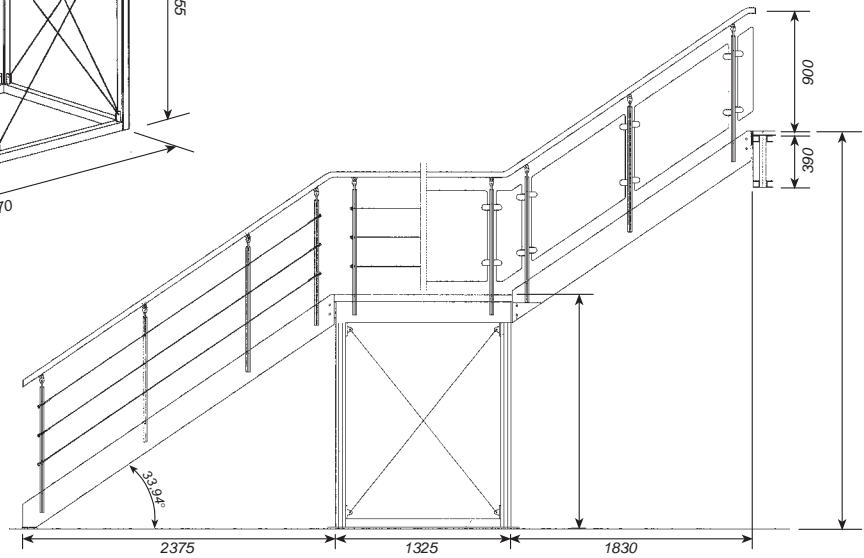
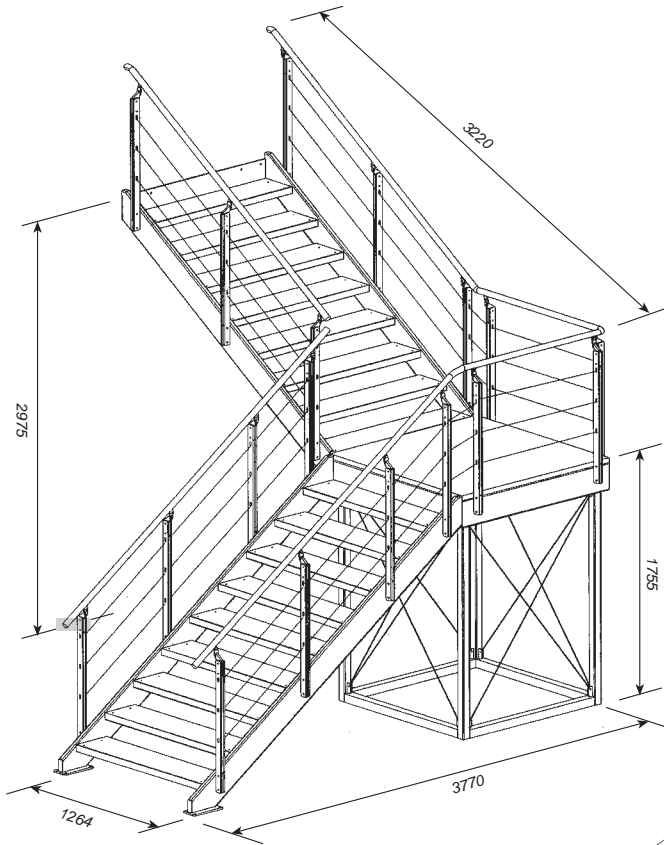


Main girder and connecting girder are the basic components of the load-bearing girder construction.

- anodized aluminium.
- length 4 m.
- construction height 42 cm incl. exhibition floor.
- load-bearing capacity 350 kg/m<sup>2</sup>.
- max. span width per module 4x4 m.
- can be extended to any size.
- solid platform for multiple storey stands.
- an additional cantilever of 1 m is possible.

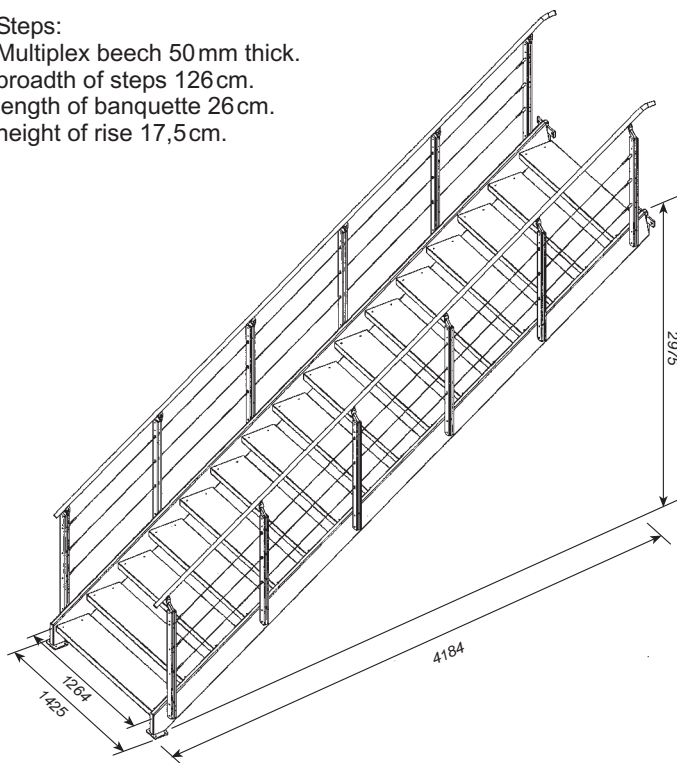


# The Stairs

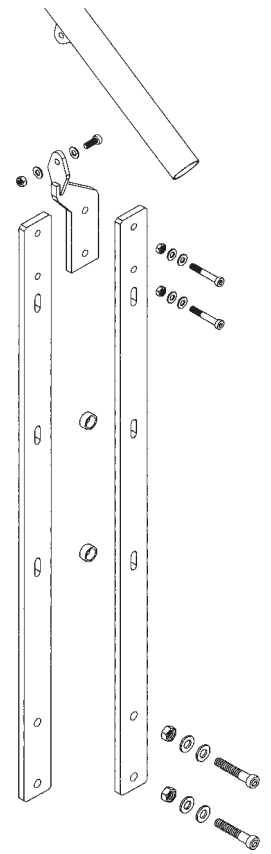
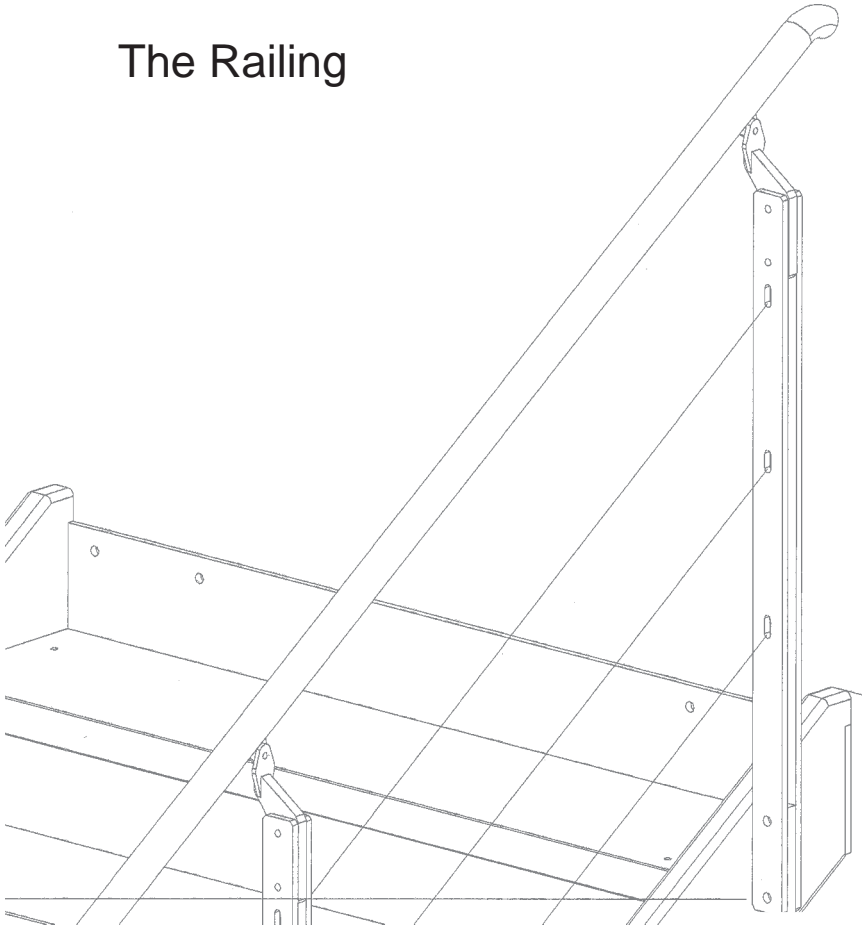


A stair unit and matching railing round off the system range. You can choose from a single-tracked stair or a solution with a platform.

Steps:  
 Multiplex beech 50 mm thick.  
 breadth of steps 126 cm.  
 length of banquette 26 cm.  
 height of rise 17,5 cm.



## The Railing



- railing post painted aluminium.
- easy assembling by simply screwing together the single components.
- hand rails from smoothed stainless steel tube ( $\varnothing=42\text{mm}$ ).
- height of railing 900 resp. 1100mm.
- stainless steel cables.
- cladding can be attached to the railing posts by means of fixtures (cladding materials e.g. glass, wood, punched panels, etc. with 6 or 8mm thickness)



# The Assembly



The **low transport weight** as well as the **simple preassembly** of the double deck construction on the floor (incl. railing posts and floor panels) are decisive time saving factors.

*Project example:*  
Trade fair stand for Kosmos at the Toy Fair in Nuremberg.  
Stand size 300m<sup>2</sup>, 68m<sup>2</sup> double deck from load bearing girder 4D, completely cladded.

**Construction time for 68m<sup>2</sup> load-bearing girder incl. exhibition floor, stairs and railing: 8-9 hrs./4 persons.**

*Design & execution:*  
Display Müller, Germany





# Project References



Before – afterwards:  
The 4D load-bearing girder is a solid platform also for demanding multiple-storey constructions.

*Project example:*  
Trade fair stand for Bopp & Reuther Heinrichs Messtechnik at the INTERKAMA fair 1999.

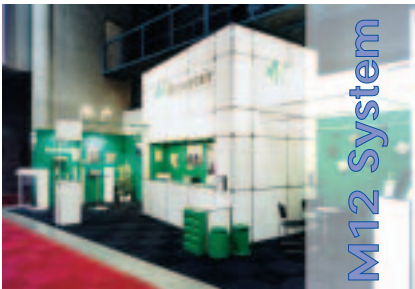
*Design & execution:*  
WARNECKE WERBUNG, Germany



above: trade fair stand for Vickers. Design & execution: NETWORK DESIGN, Greece.

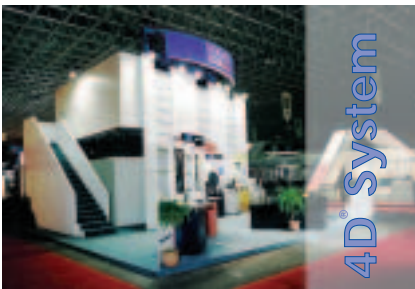


left: trade fair stand for Tesion. Design & execution: DISPLAY MÜLLER, Germany.



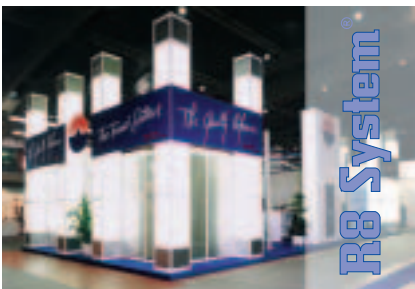
### A classic remains a trendsetter

The functionality of the M12 tube-/node system remains the ideal choice for exhibition construction and interior projects.



### Architecture of future

Within short time only, the high tech system 4D for the specialist has become a leading technique for the exhibition construction industry.



### Creative solutions with profile

Whether on a large or small scale, for exhibitions or interior projects – the R8 System offers excellent economic design solutions.



### The effortless ease of building

The robust Advantec wall system consists of only three basic components and is the perfect solution for seamless self-built walls.



### Fabulously simple, simply fabulous

Walls, showcases, furniture, displays or even a complete exhibition stand – a variety of solutions with the Voluma connector system.



### Designed for impact – built for a lifetime

An efficient and versatile programme of displays with a clever system technique.