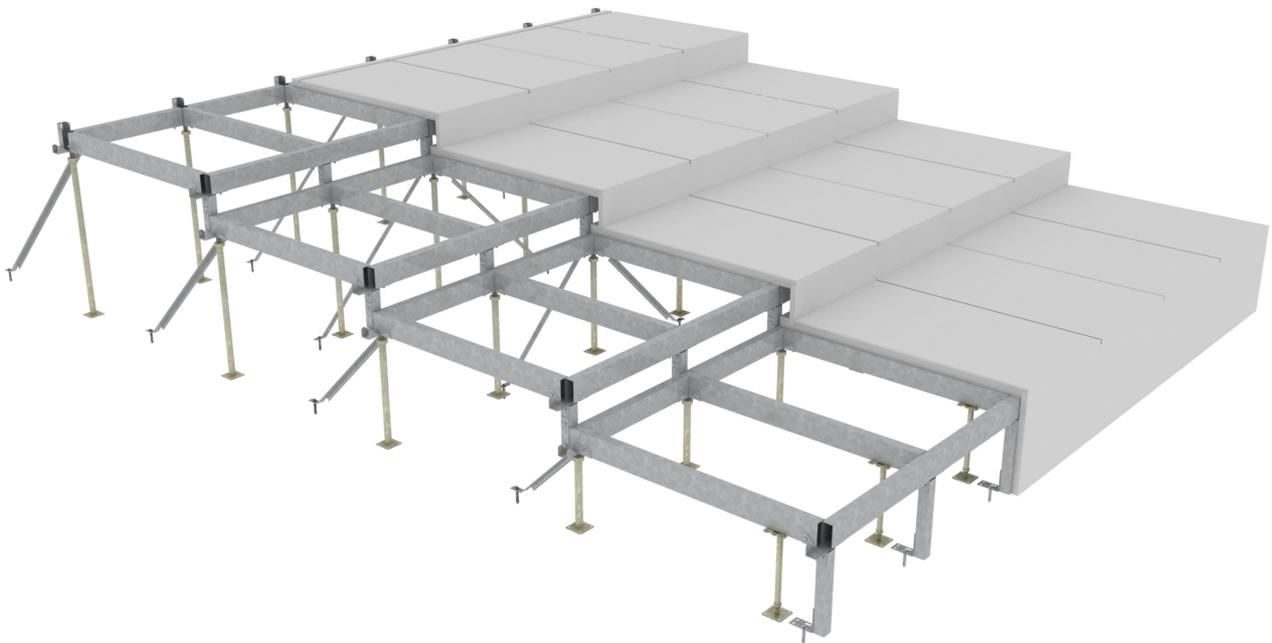


## Lindner FLOOR and more® arena



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## The substructure

The substructure of FLOOR and more® arena is made of factory-made steel profiles which are simply screwed with each other with a connectors.

The most different kinds of subfloors are considered with the planning.

The substructure can be installed on even as well as sloped concrete floors. Also an already stepped subfloor is no problem.

The substructure is installed directly on the subfloor, however, acoustical decouplings can be considered with the installation.

## The planking (calciumsulphate)

Already prefabricated calciumsulphate panels are installed on the substructure.

Advantages:

- The horizontal calciumsulphate elements are glued together with the already proven FLOOR and more® interlocking.
- The installation elements are prefabricated to the appropriate step run with standard step runs (800 – 1200 mm).
- Revision openings and installation notches (step lighting, air outlets) can be already considered with the production of the calciumsulphate installation elements.
- Usage of the resulting cavity as a pressure floor (open air ducting): The subfloor is coated with a special 2-component epoxy resin subfloor sealant. The installation elements can be provided with an aluminium foil at underside as an additional humidity barrier.
- Trapezium or round steps make a radial realisation possible.
- One-layer structure of the step planking

## Advantages of the Lindner tribune construction

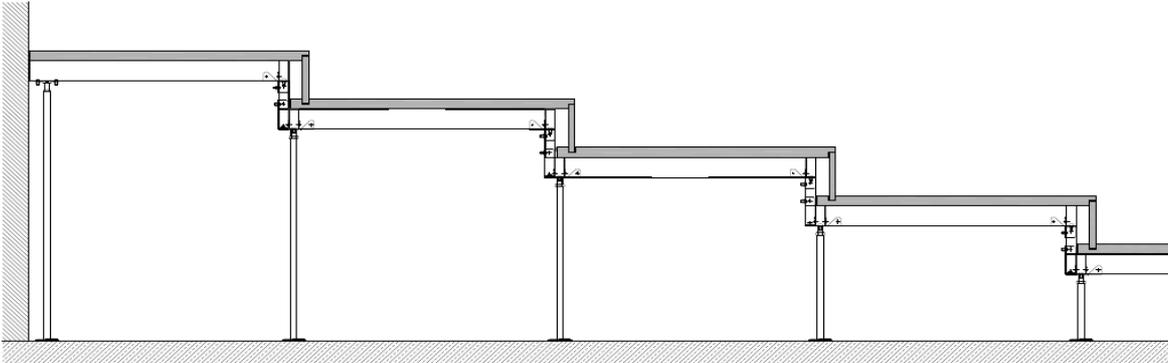
1. Very short installation period because of the high degree of prefabrication.
2. Increased fire safety because of fully non-combustible calciumsulphate panels as planking.  
Building material class A1 acc. to DIN 13501
3. Loadability of 5 kN/sqm (acc. to meeting place regulation) as well as 4 kN single loadability.



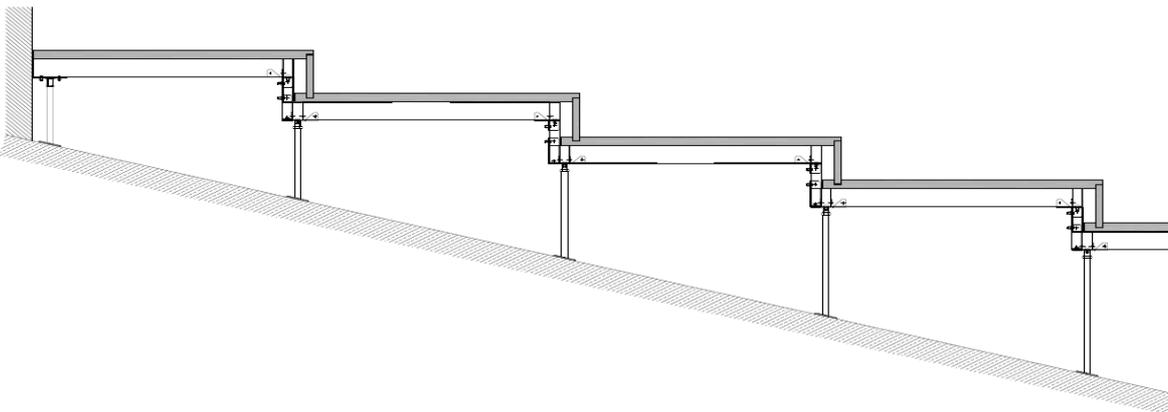
4. Evidence which can be tested is given by type statics.
5. The sound decoupling of the system can be effected between the planking and the substructure as well as between the substructure and the structural shell.
6. All subfloor types (even, sloped and stepped) can be equipped with a Lindner tribune structure.
7. Environmental friendliness of the planking (recycled raw material).
8. Suited as a pressure floor with aluminium foil at underside.
9. Solid planking → no drum effect.
10. Free space for equipment and installations.
11. All types of coverings are possible.
12. Acoustic concepts for the complete room are possible.
13. Round and straight constructions are possible.
14. Fulfills requirements of sustainability (e.g. LEED, DGNB).
15. Substructure for chairs available.

## Possible variants

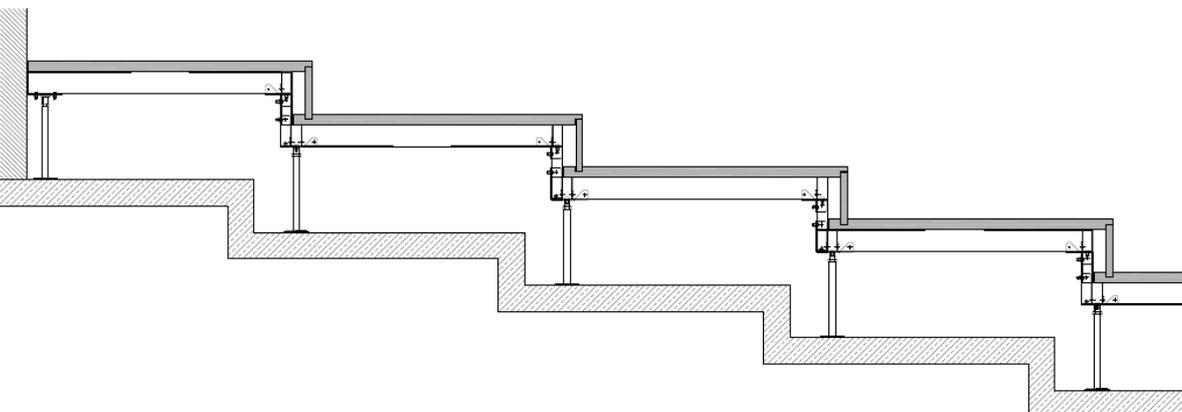
### Even subfloor

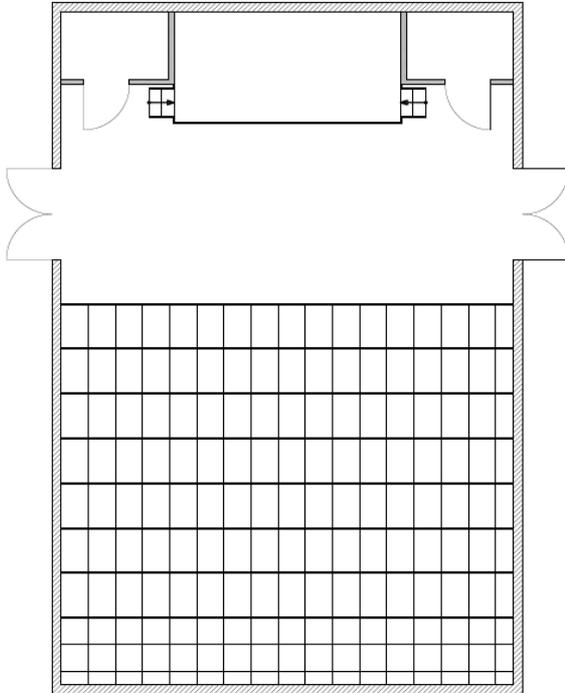
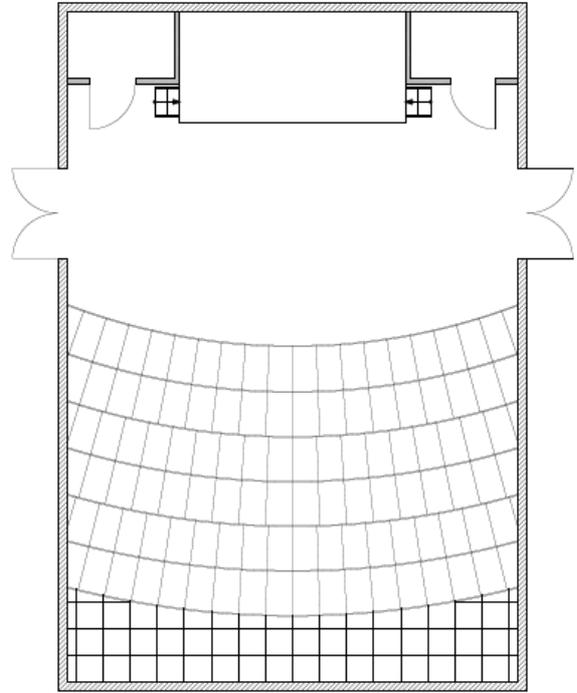
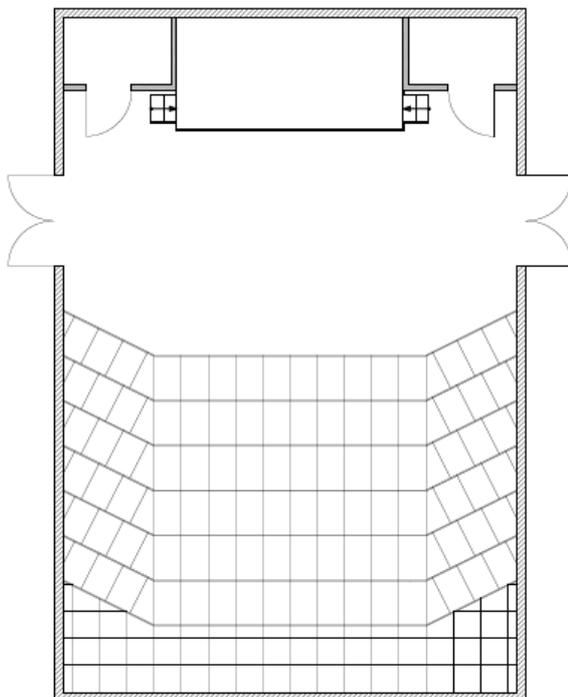


### Sloped subfloor

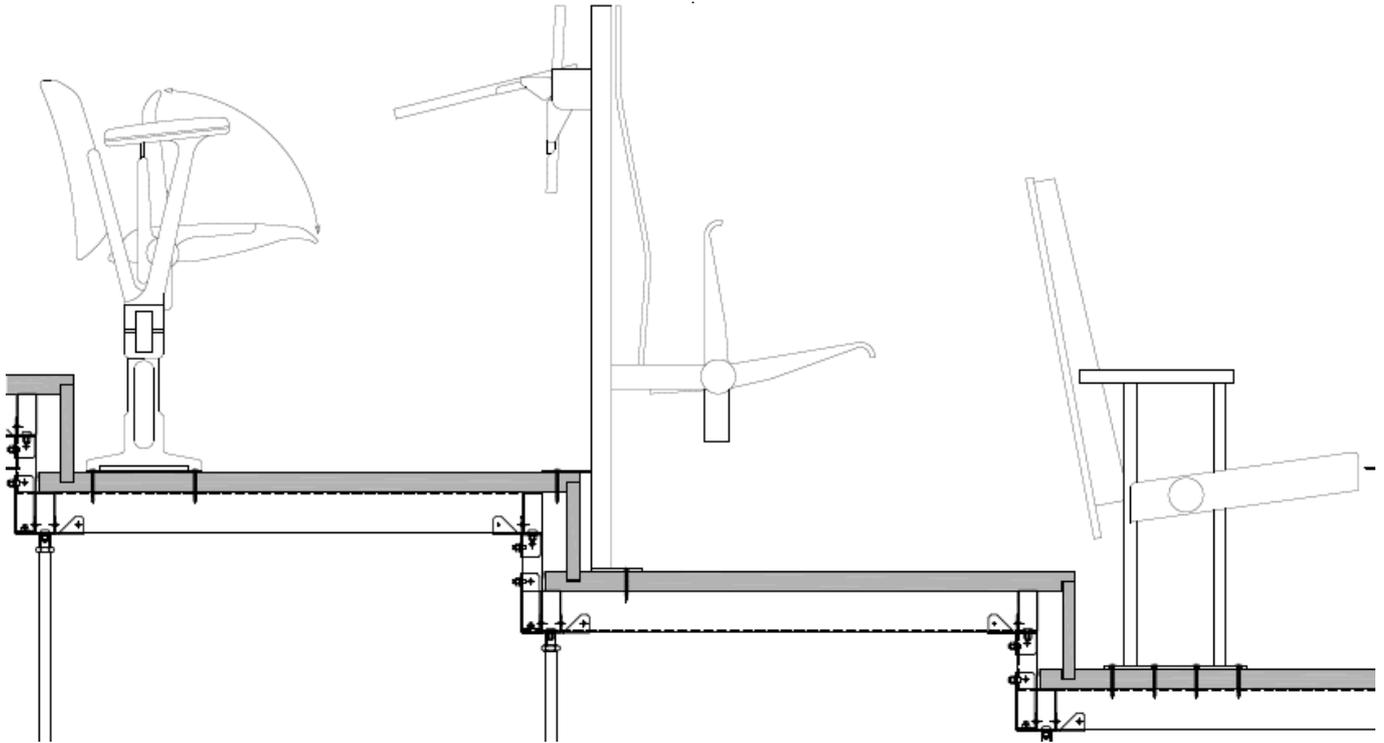


### Stepped subfloor

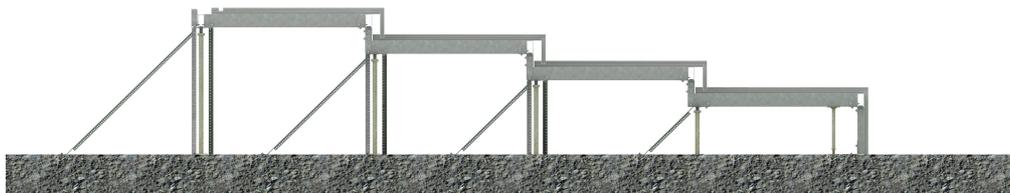


**Variants as a layout plan****Linear variant****Radial variant****Polygonal variant**

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**Possibilities of the fixing of chairs**

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**Structures in detail****Variant 1**

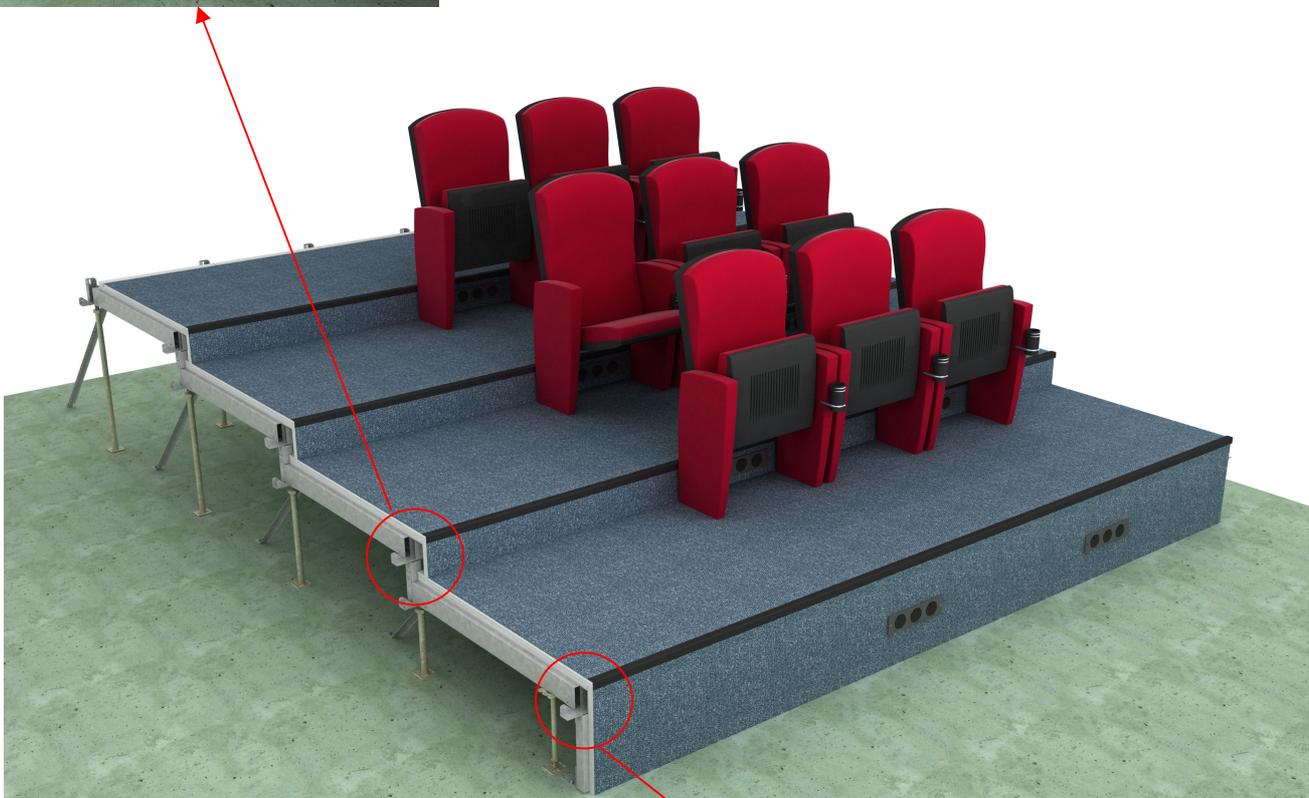
System cross-section FLOOR and more® arena



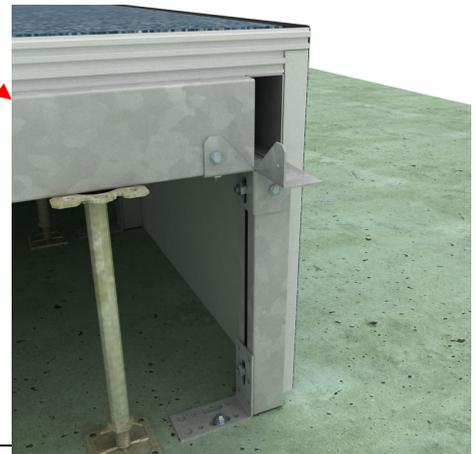
FLOOR and more® arena  
Planking installed on substructure

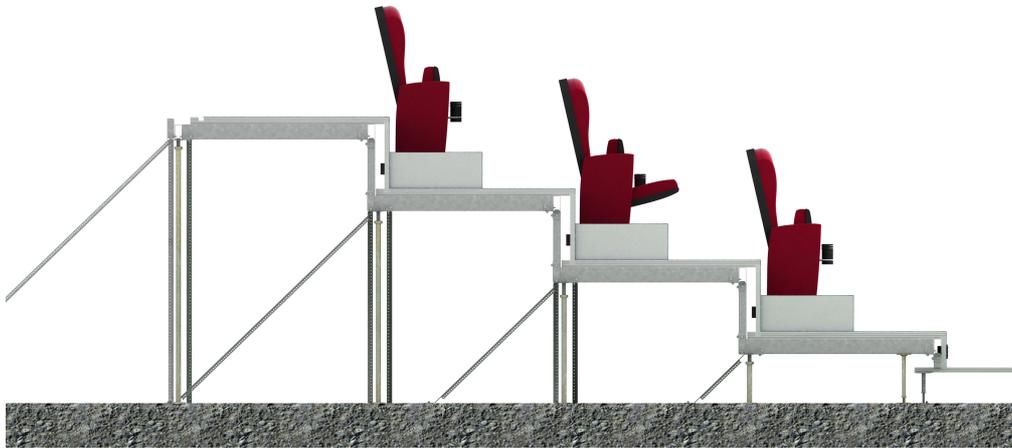


Detail of the front edge of the step  
SK-connector on the inside and outside with installed riser

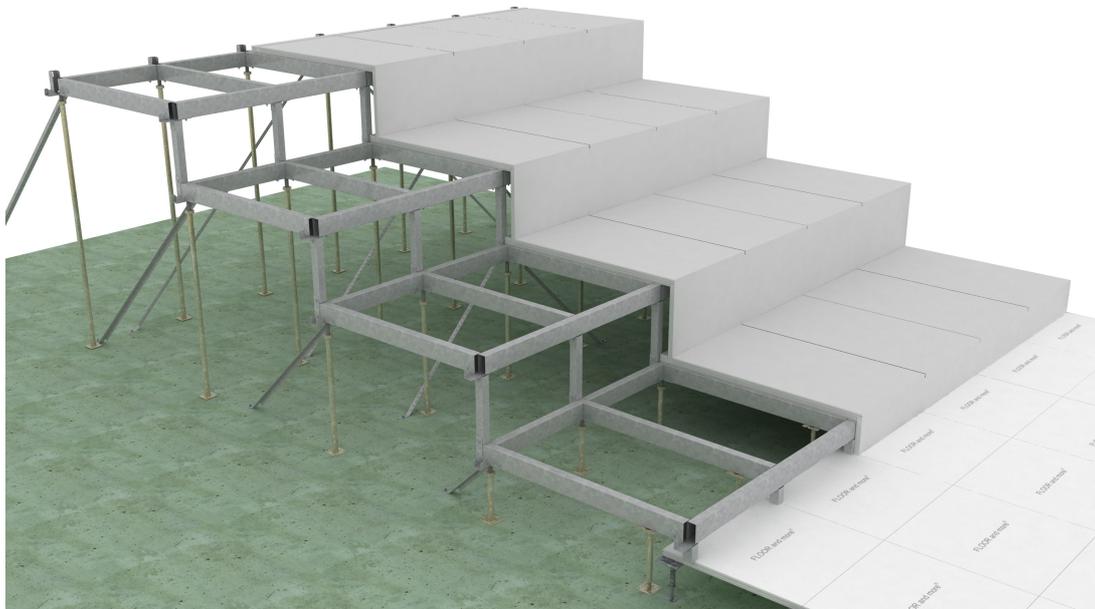


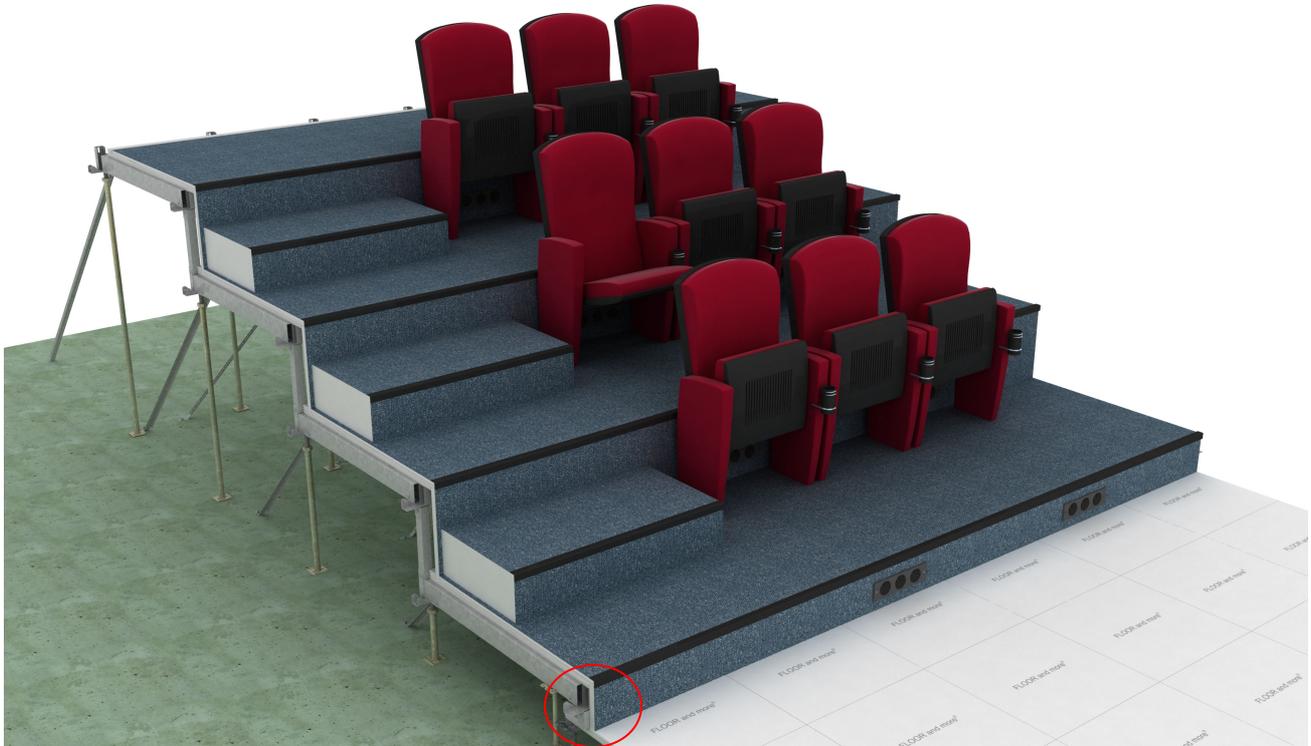
Detail of the base of the tribune structure with fixed riser.



**Variant 2**

System cross-section FLOOR and more® arena

FLOOR and more® arena  
Substructure with planking whose base is connected to a FLOOR and more® system.



Detail of the base with connection to the hollow floor system type FLOOR and more®.

