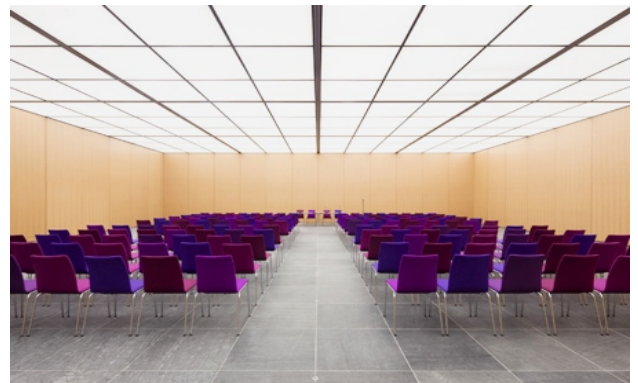


SCHADER FOUNDATION Darmstadt (Germany)

NEW BUILDING

- Client:** Schader Foundation,
Darmstadt
- Architects:** Kramm & Strigl Architekten,
Darmstadt
- Our services:** Full structural design
Establishing the basis
Preliminary design
Final design
Approval documentation
Execution drawings
Preparation of contract award
Construction supervision
Structural fire protection
Earthquake engineering
Health and safety coordination
- Brief description:** New building of an office and
administration building
- 4-storey concrete structure
(partially self-compacting concrete
(SCC)) with circumferential fligree
glass façade
- entire building protruding 22 m
diagonally over a large ground floor
auditorium (acting as a folded plate
structure)
- whole structure carried by two
columns for pressure and two columns
for fusion
- tie-rods anchored in soil
- adjustment of height (adjustability
of building)
- concentrated load transfer on two
columns
- high single loads to be transferred
- basement walls concreted into rock
for sealing to prevent ingress of
perched water

Completion: 2008



Steel staircase as a folding mechanism

