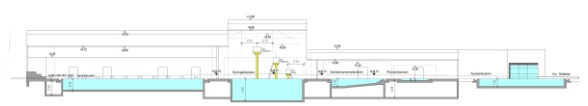
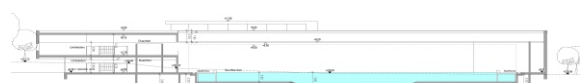
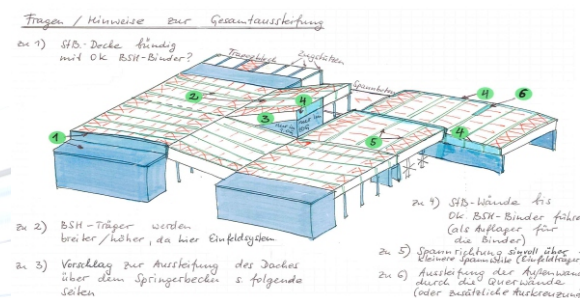
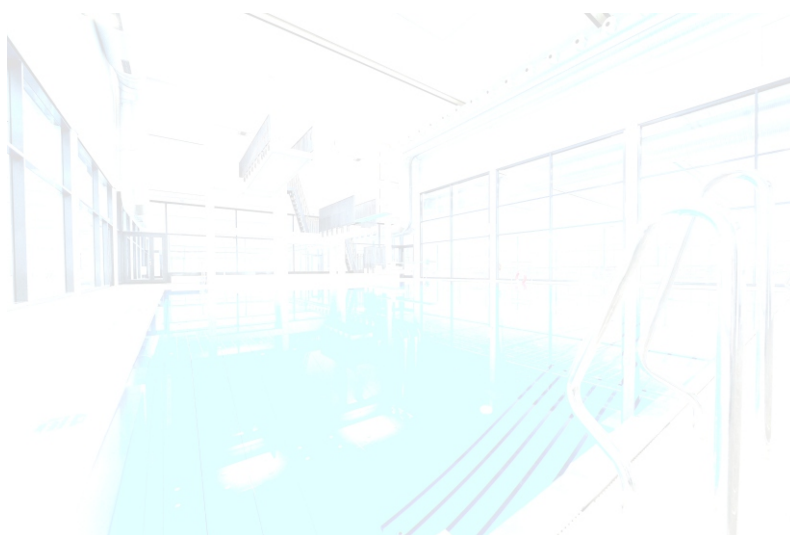


AQUATIC CENTRE Nürnberg (Germany)

REDEVOLPMENT / REFURBISHMENT, NEW BUILDING

- Client:** NürnbergBad, Nürnberg
- Architects:** Dr. Krieger Architekten + Ingenieure, Velbert
- Our services:**
- Full structural design
 - Establishing the basis
 - Preliminary design
 - Final design
 - Approval documentation
 - Execution drawings
 - Preparation of contract award
 - Structural fire protection
 - Demolition conditions
- Brief description:**
- Refurbishing of an old indoor swimming pool with partial demolition, construction of a new aquatic centre for recreational as well as competitive swimming with a 50 m sports pool, a spectator stand for 200 people, diving pool with 5 m board, 25 m pool, 3 beginners' pools, children's pool, outside pool, sauna complex and catering
- ambitious building complex built with mixed building materials in various construction methods, reinforced concrete
 - roof over the swimming areas constructed with glulam roof trusses of 2,7 m high, spanning up to 35 m
 - stiffening through diagonals (horizontal wood framework)
 - operational areas constructed in reinforced concrete, in parts with load-bearing masonry walls
 - partial implementation of steel girders and steel columns
 - foundation on a load-bearing floor slab
 - flat slabs
 - detailed planning and execution regarding uplift prevention of the building during construction and completion
 - use of steel tension piles to avoid uplift
 - construction of all walls and bottom slabs in contact with the earth using waterproof concrete
 - planted flat roofs with pebble covering

Completion: 2014



Pictures / Illustrations: ProfessorPfeiferandPartner PartGmbB, Dr. Krieger Architekten + Ingenieure