

Erection of a warehouse and open-air storage space in Duisburg

Client: Kloeckner Stahl- und Metallhandel GmbH

Customer: Walter Hellmich GmbH

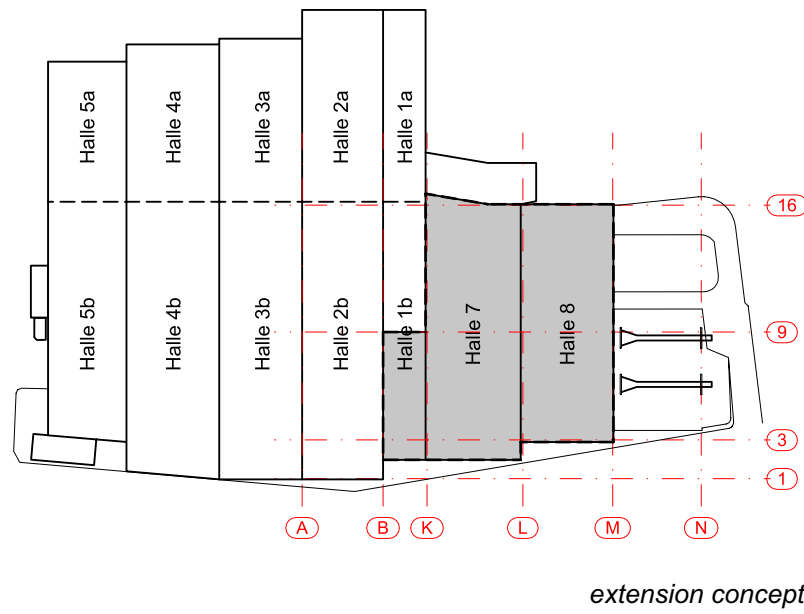
For the Kloeckner Stahl- und Metallhandel GmbH two warehouses were added to the already existing warehouses in Duisburg - Meiderich in 2011. The warehouses are equipped with two overhead cranes (2 x 6.3t * 31.00m) and an open-air storage space with an overhead crane (2 x 5.0t * 30.00m). Also the rail connection was extended. The plot area is about 29,300m², the gross floor area 6,300m² and the gross volume 85,000m³. The production costs add up to approximately 2 m Euros.

Our performances:

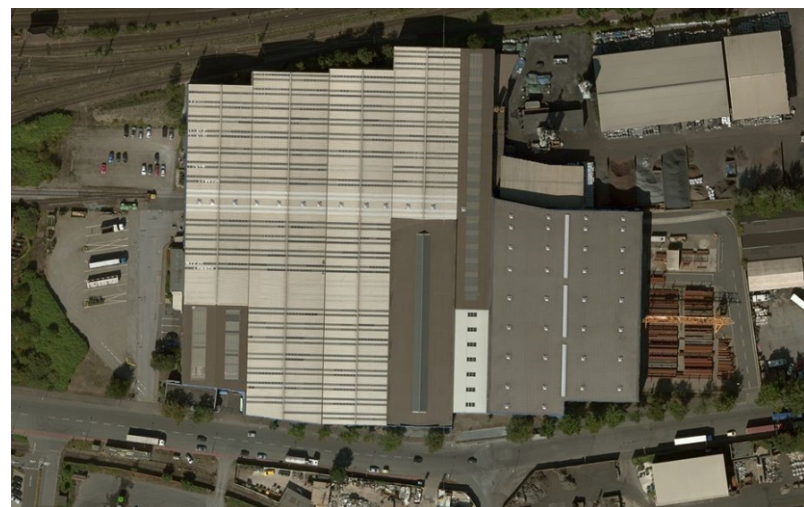
- Detailed and approved final design of the buildings
- Detailed and final design of the outdoor facilities
 - Track construction
 - Main pipe system
 - Road construction
- Co-ordinating steel workers
- Static calculations for the cast-in-place foundations
- Formwork and reinforcement drawings



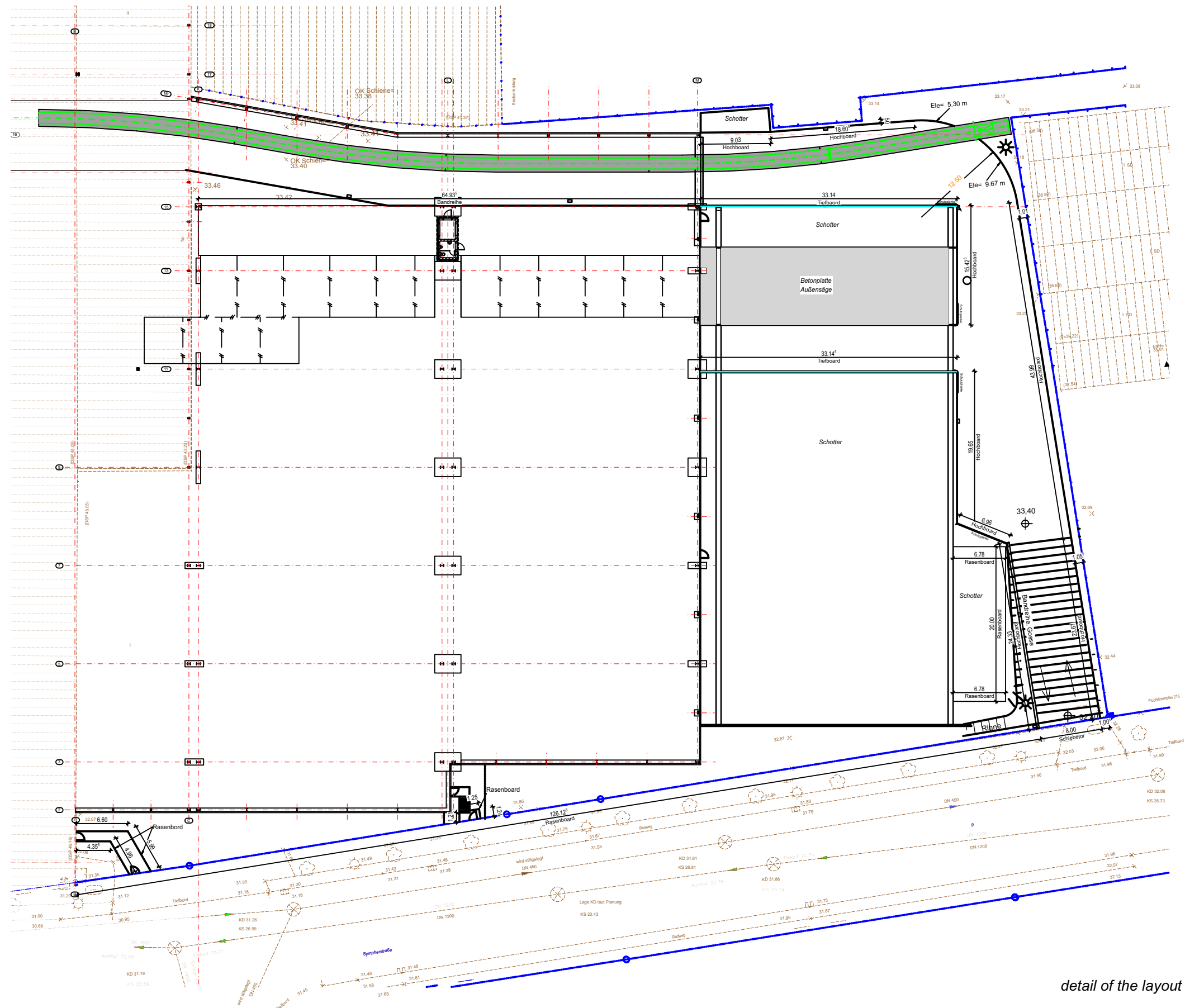
plant gateway (existing building stock)

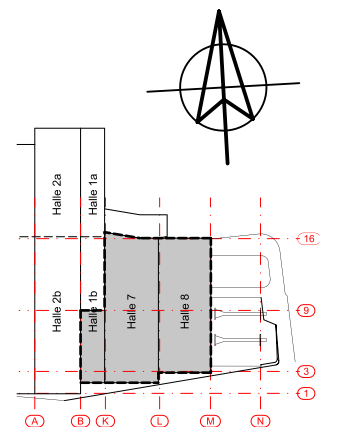
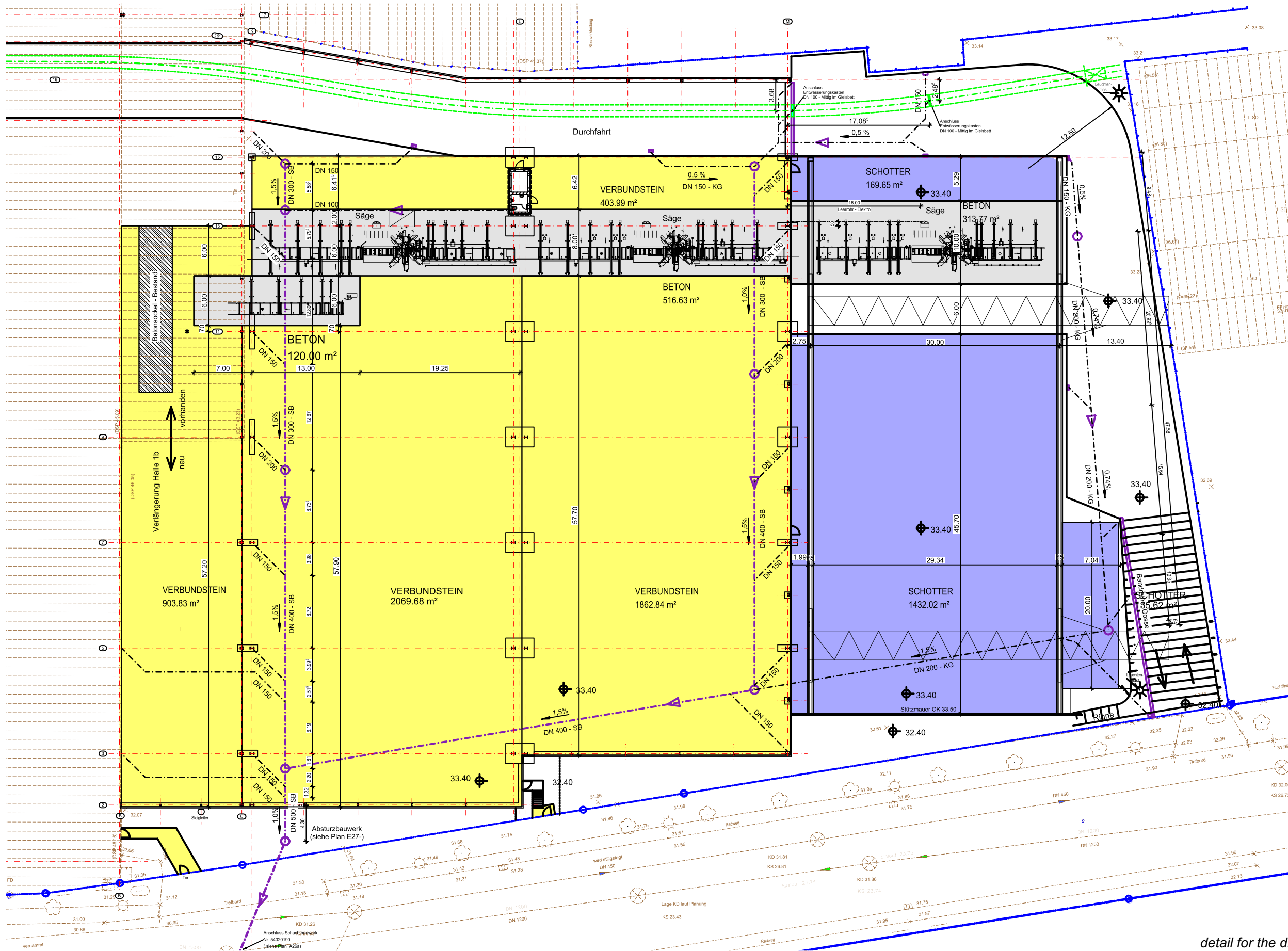


aerial photo of the existing building stock



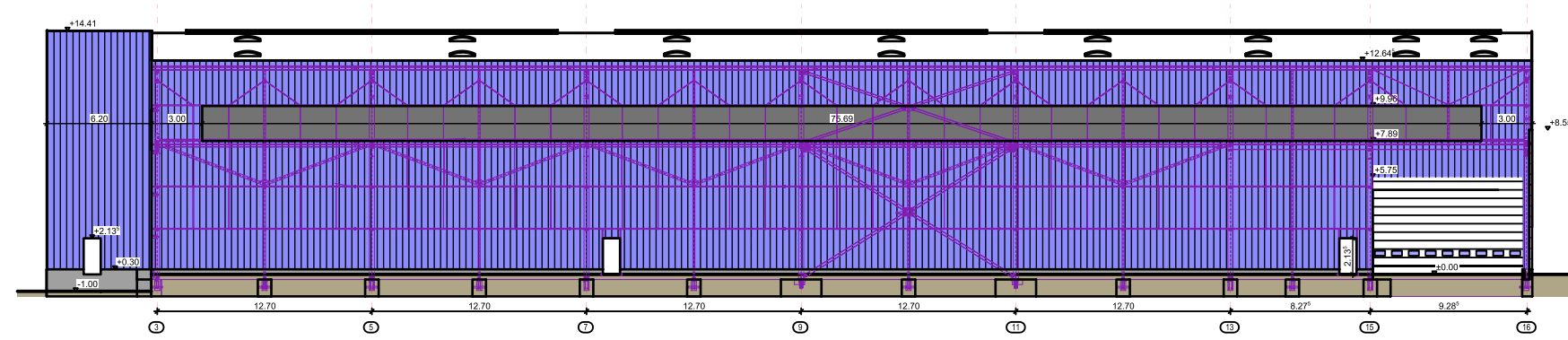
aerial photo after the extension



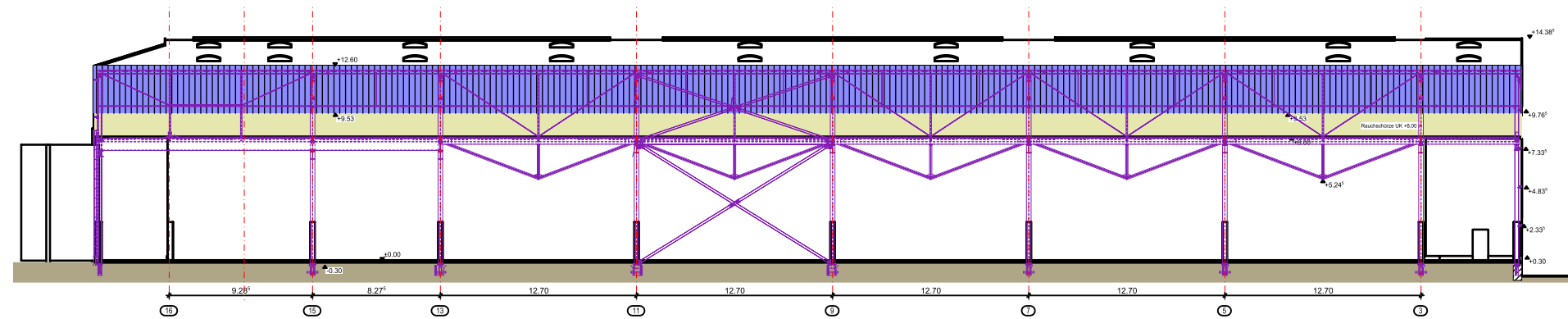


± 0,00 = 33,40 m NN

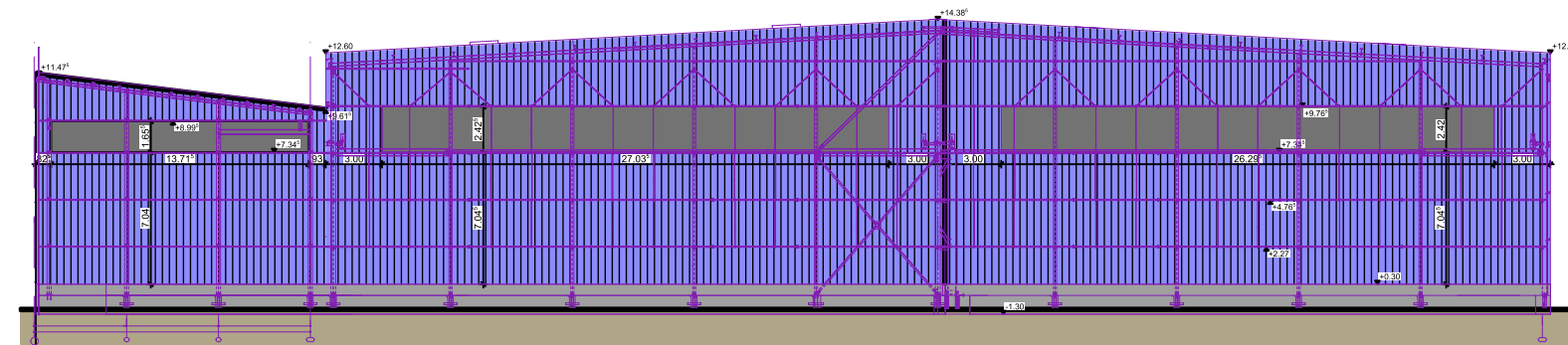
detail for the drainage system and surface concept



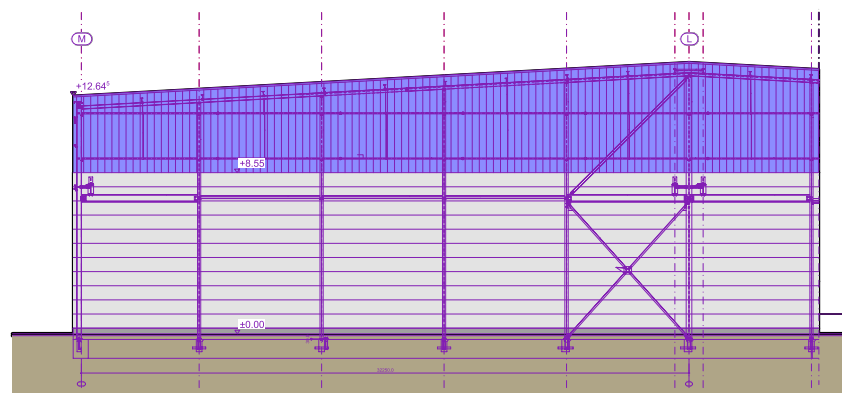
view section M



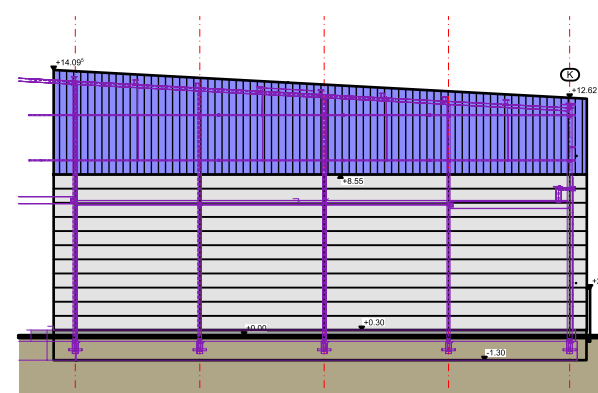
view section K



view section 2-3



view section 16

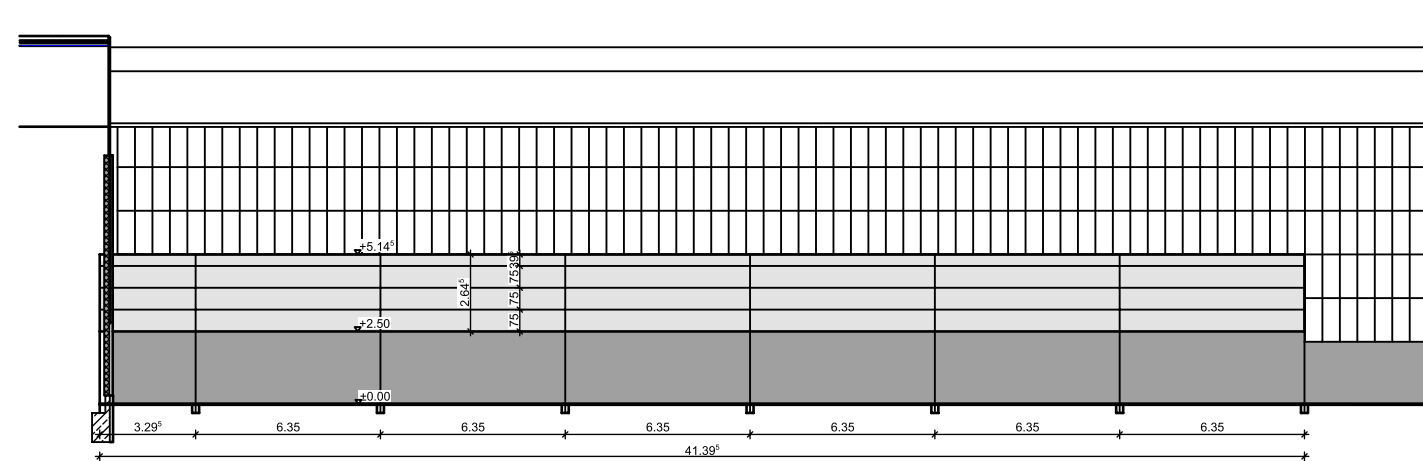


view section 16'

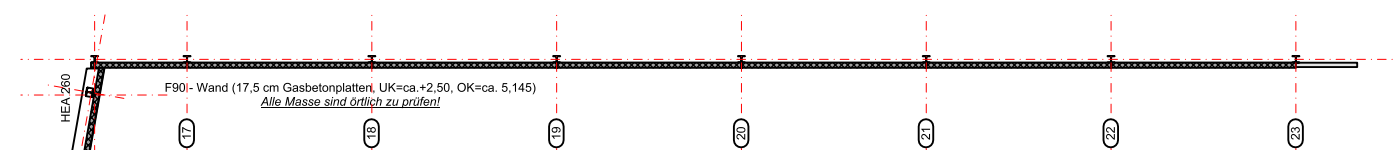
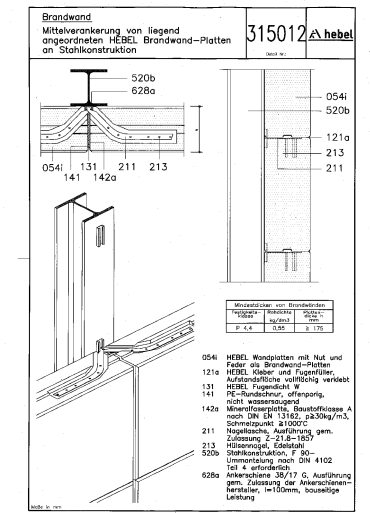
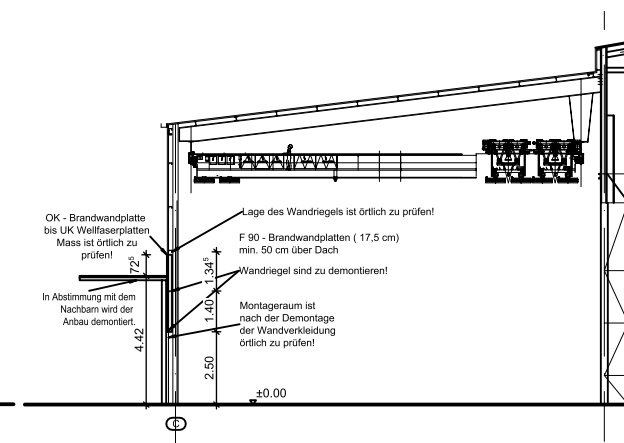


elevation drawings

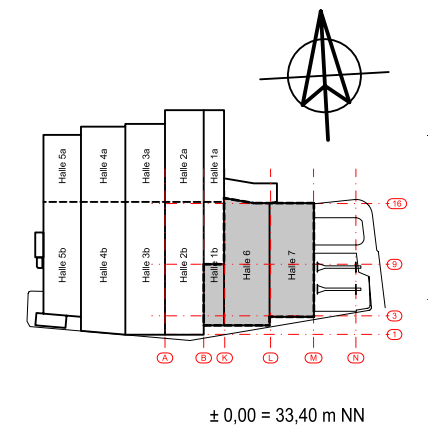
elevation photos



view section C



layout section C



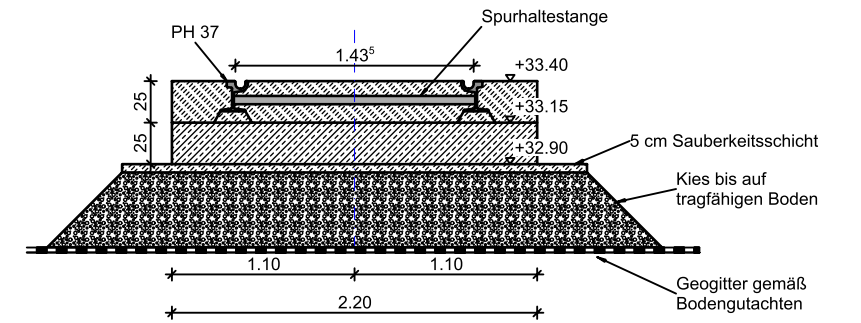
panelling overview and details



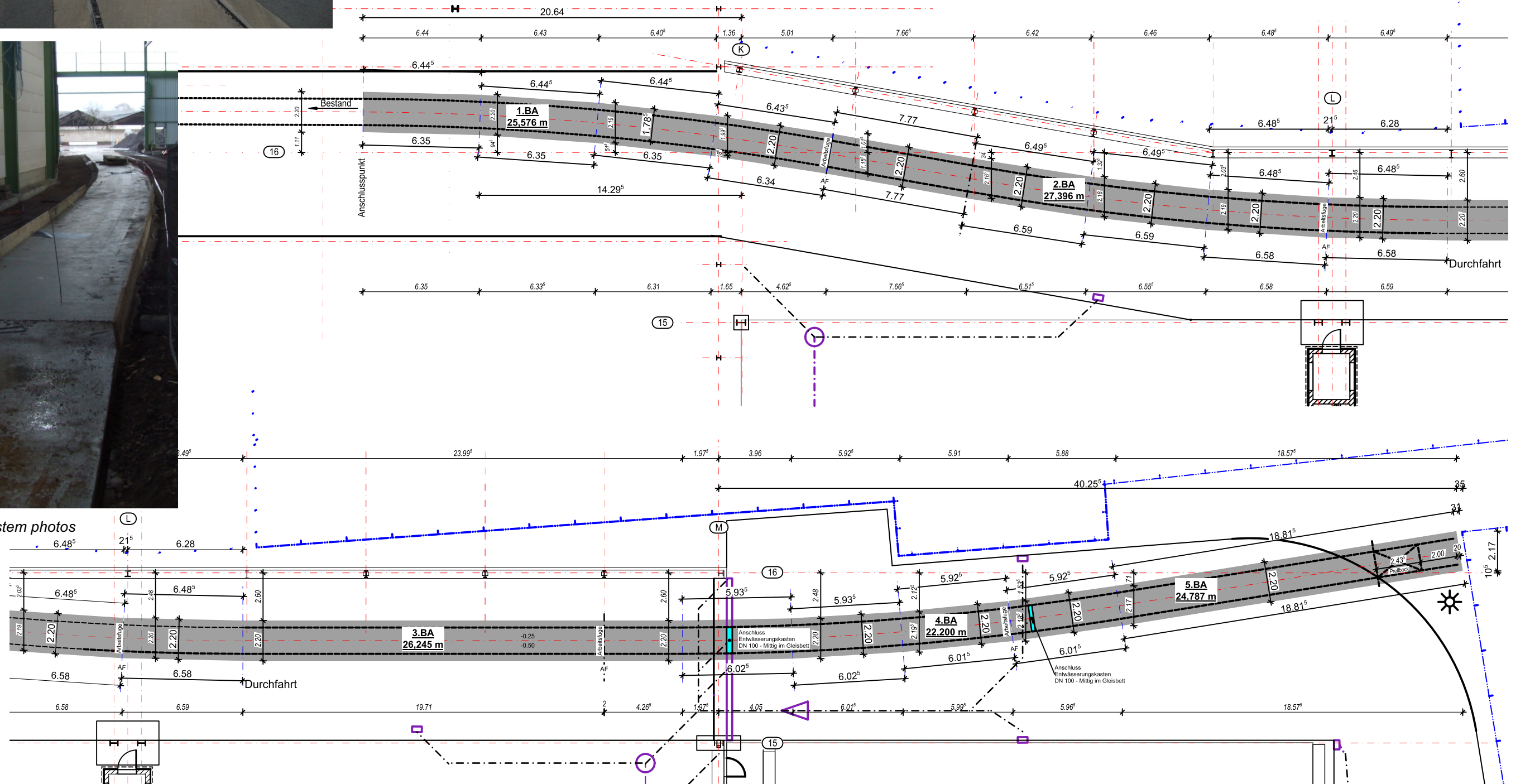
panelling and facade photos



concrete track system photos



cross section



details of the implementaion plan for the track foundation slab