

Erection of a mechanical delivery base in Essen

Client: Baugesellschaft Walter Hellmich GmbH

Customer: Walter Hellmich GmbH



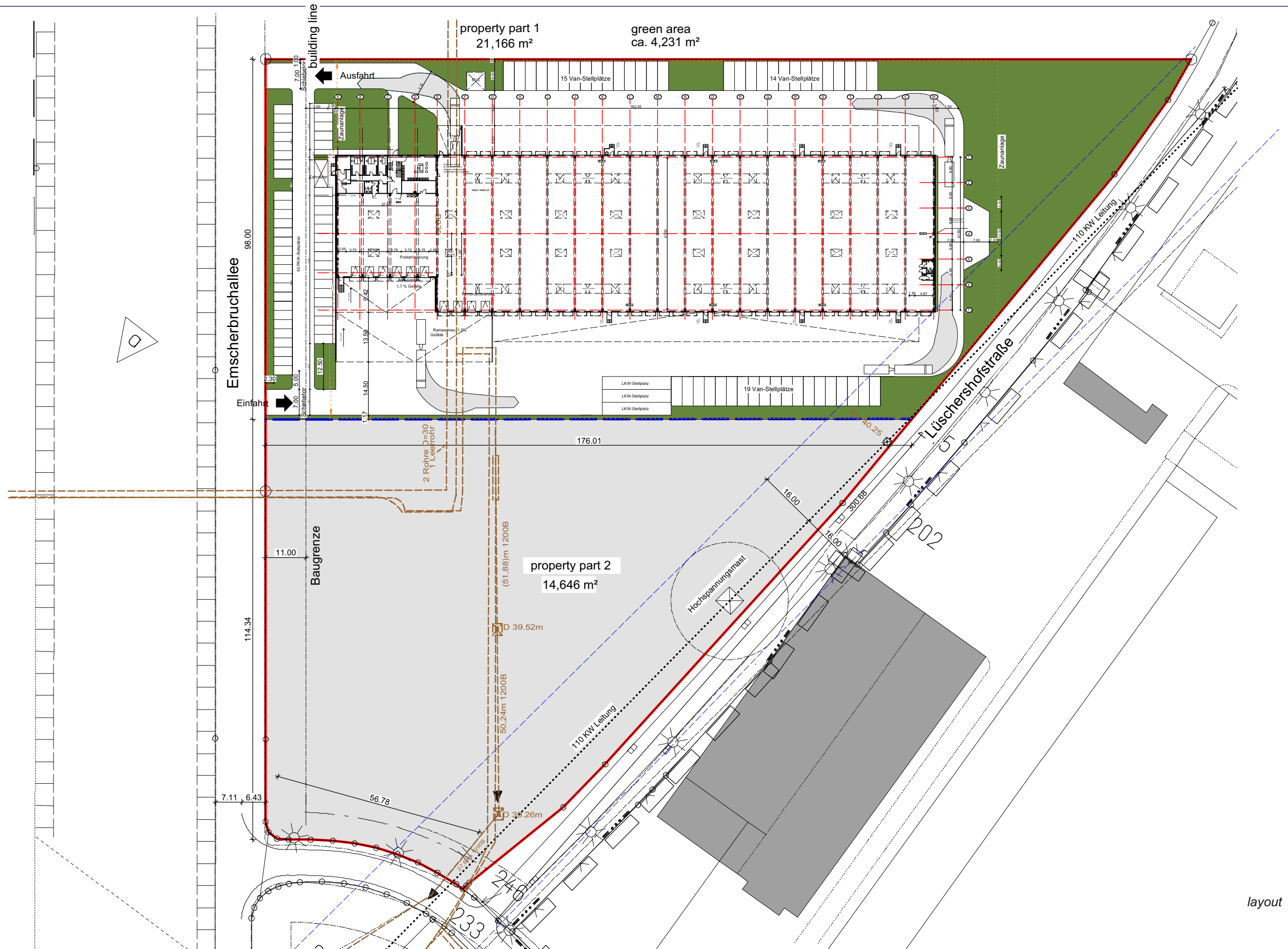
In 2013 a mechanical delivery base (MechZB96) was built in Essen for the Deutsche Post DHL to deliver packages in the Essen area. Therefor an unsupported warehouse of 41.00m clear space distance and 162.00m in length was erected. This type of building was specifically designed for an automated sorting plant, which is capable of sorting up to 3000 packages per hour and distributing them on designated slides for the different postal zones. For the first time a two-storey section with administration and social areas for about 110 employees was integrated into the building. The plot area is about 21,200m², the gross floor area 6,700m² and the gross volume 62,800m³. The production costs add up to 15 m Euros.

Our performances:

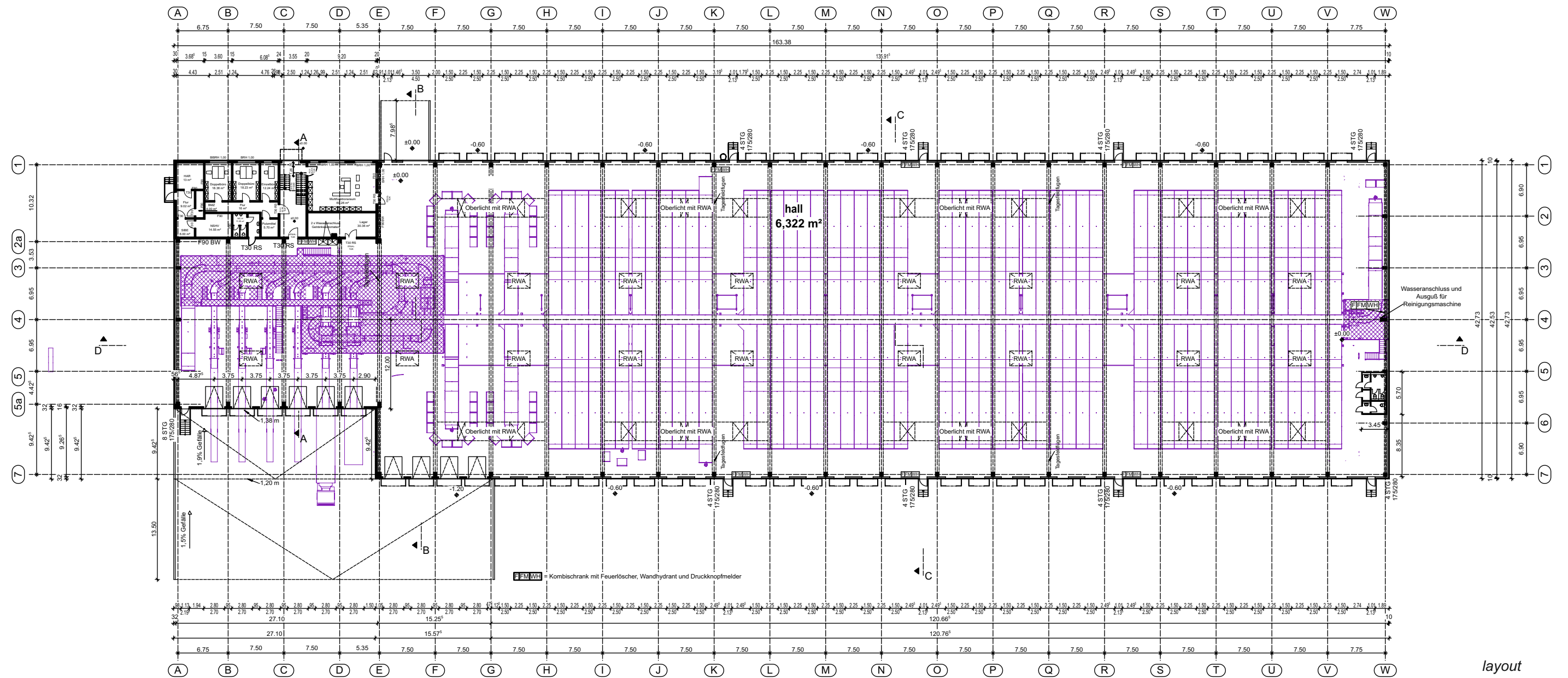
- Design planning of the building and outdoor facilities
- Building application process
- Static design
- Detailed and approved final design
- Co-ordination of the professionals for:
 - Geotechnics
 - Fire protection
 - Building services
 - Outdoor facilities
- Co-ordination of the precast concrete unit concept
- Static calculations of the sleeve foundation
- Formwork and reinforcement drawings



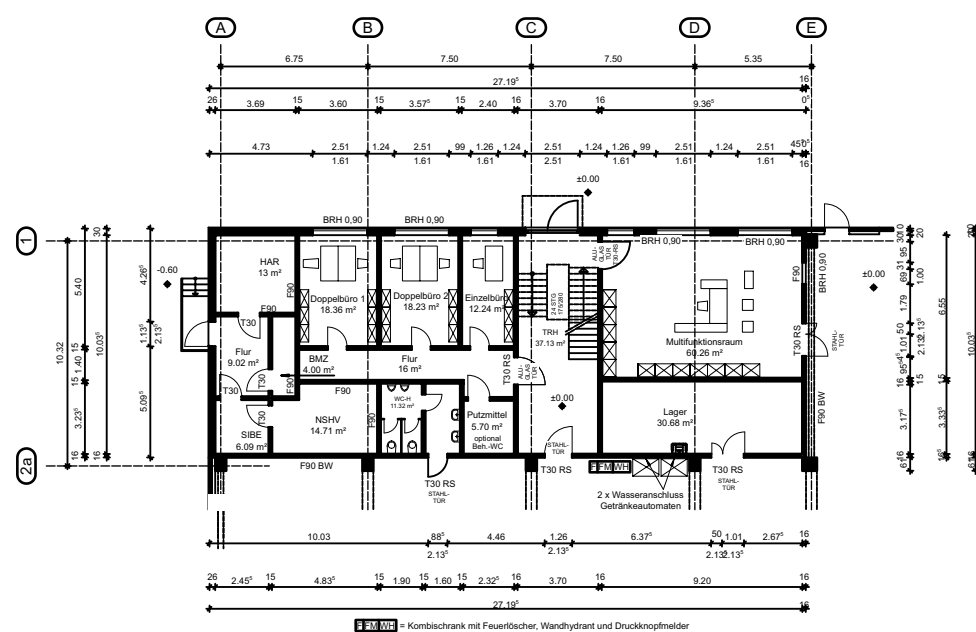
DHL MechZB Essen



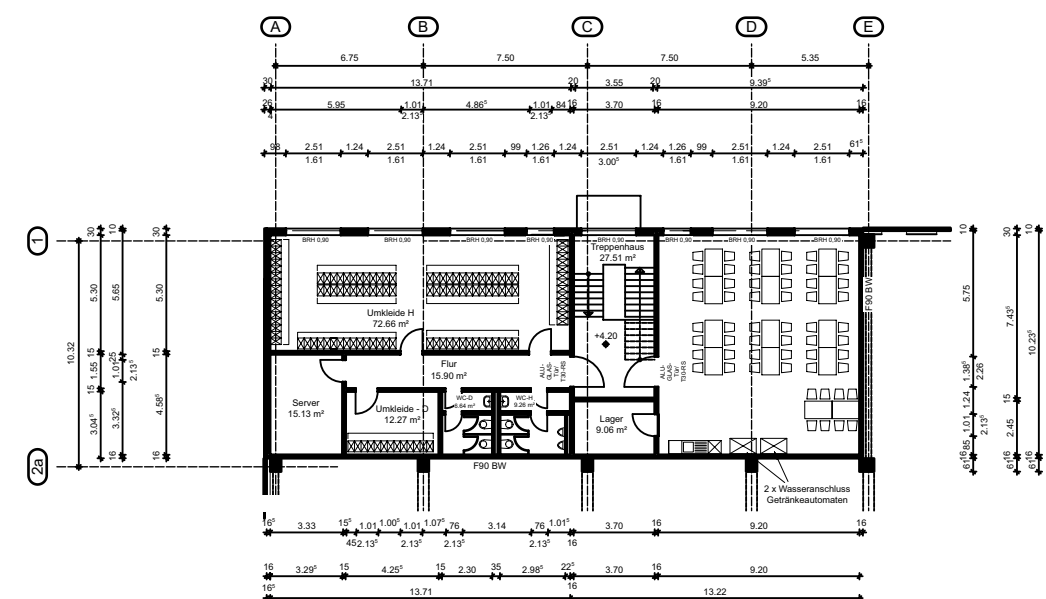
layout



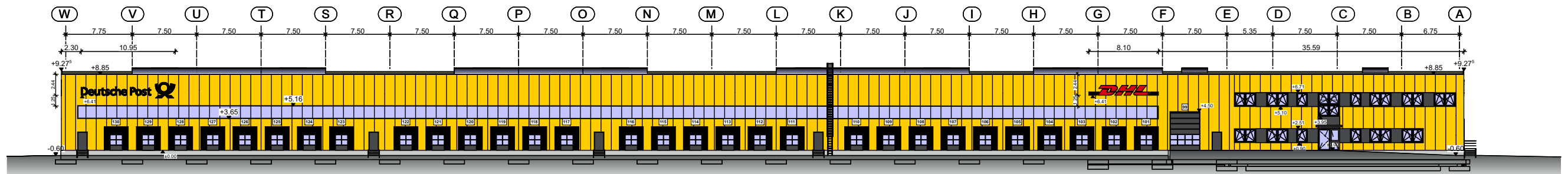
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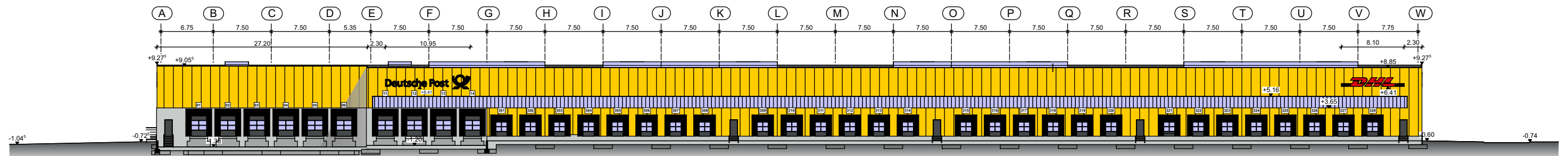
layout ground floor



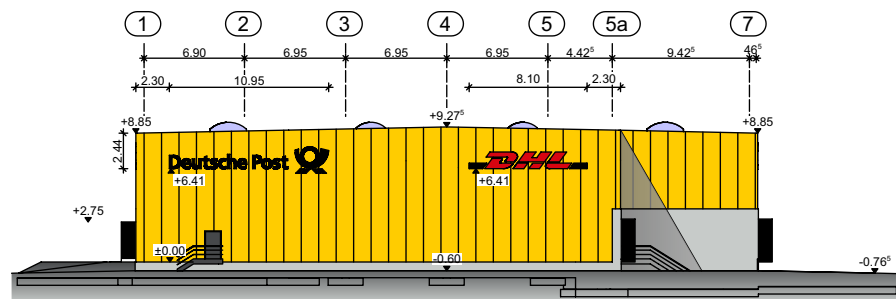
layout 1st floor



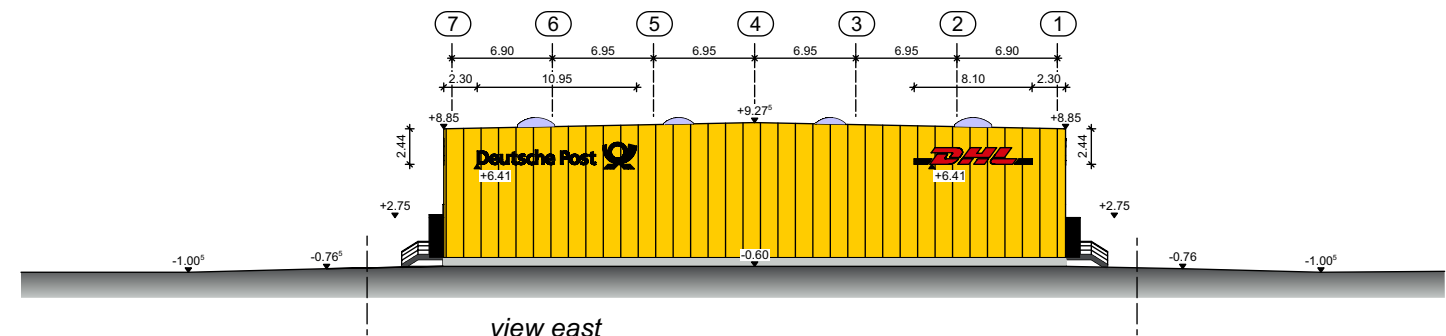
view north



view south



view west



view east



elevations