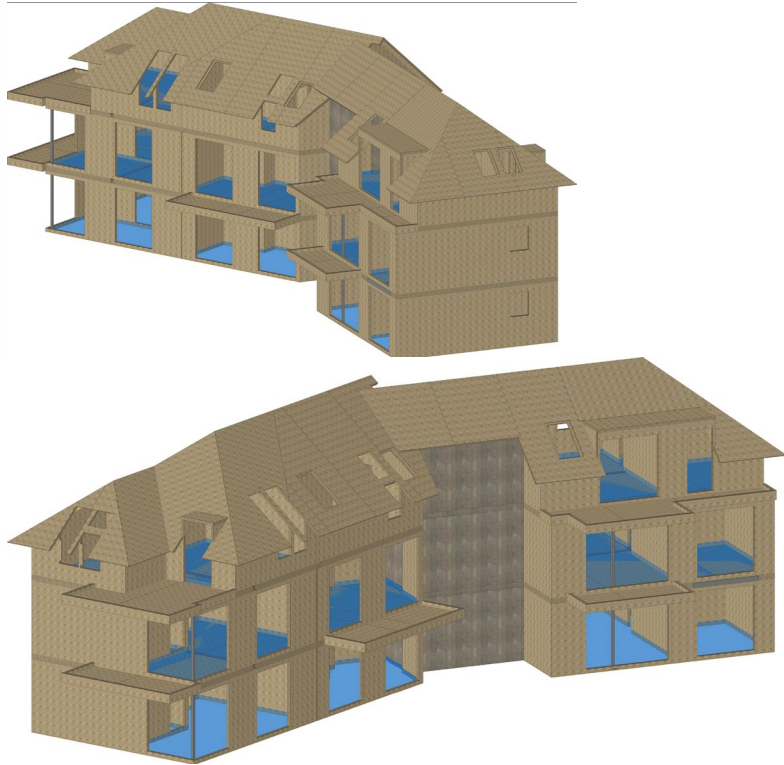# 3BTEC MAGNUM BOARD

N3XT LEVEL HOLZBAU

- Building Systems | Building service | Building quality

- Since 2011 at the Ludwigsfelde site, near Berlin

- Family-run business in 2. Generation

- 3B TEC Group 21 employees

- Annual capacity at 4,000 m³ (corresponds to approx. 100 single-family houses)

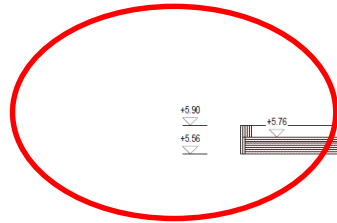- Expansion from 2024: annual capacity at 12,000 m³ (around 300 houses)
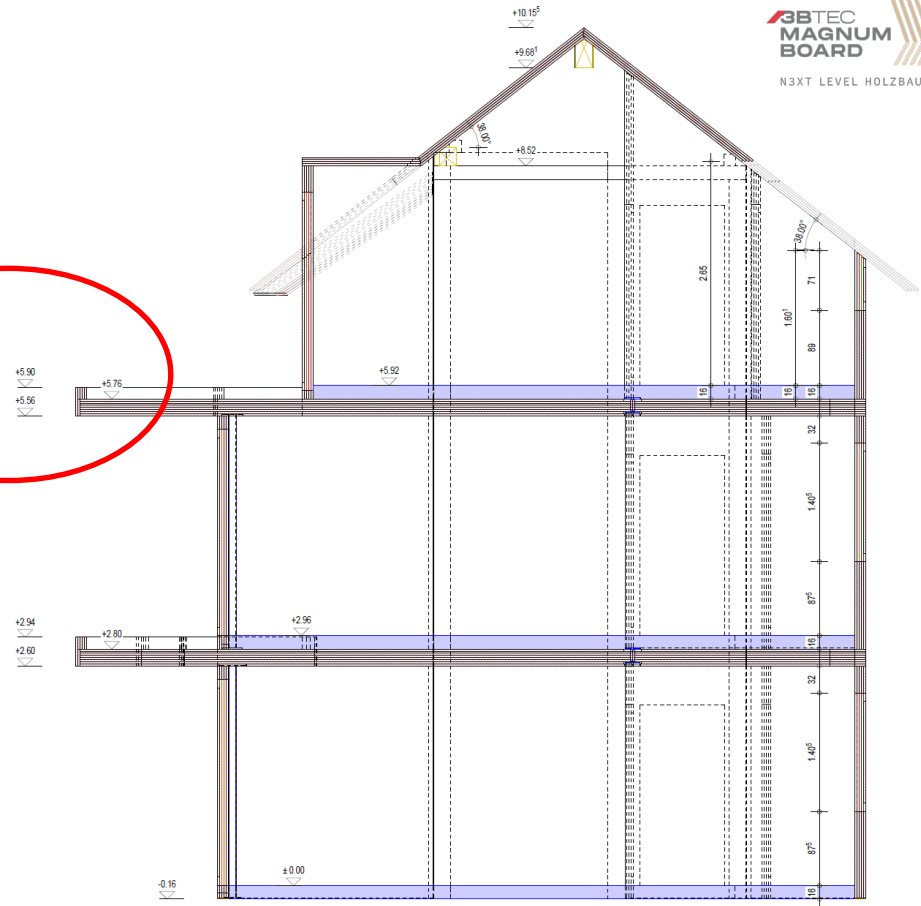
Project | Grömitz West

Project | Grömitz West

- Project developer & designer:

  Kuschel&Fricke

- Complete house (roof, ceiling and wall) in MagnumBoard

- Start of construction: 11.2022

- Multi-Family-House, 3 floors, 8 apartments

- 236 components with 250 m³

- Wall area: 1.238 m² ; 100 mm thickness

- Ceiling and balcony areas: 200mm thickness

- Roof area: 100mm thickness

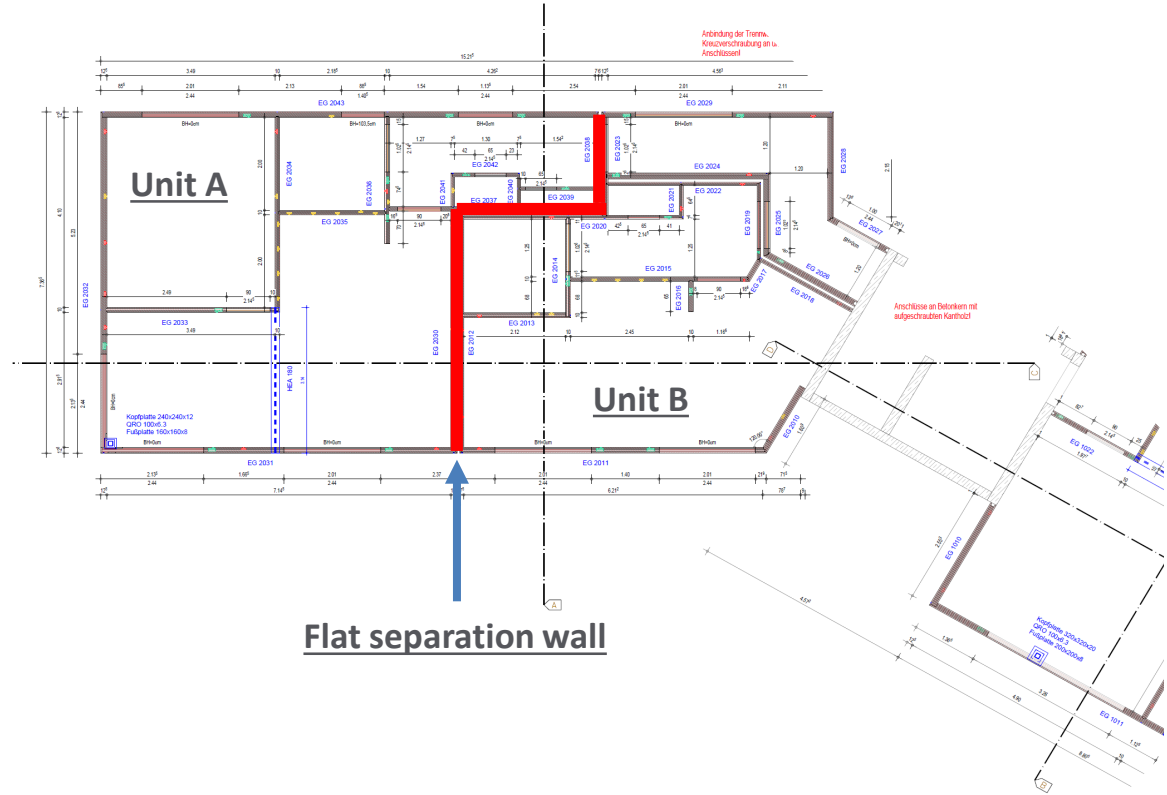- 37 h assembly time with 5 employees

- **300t CO2 long term storage**

Project | Grömitz West

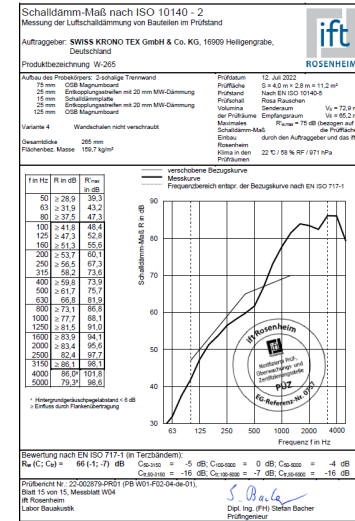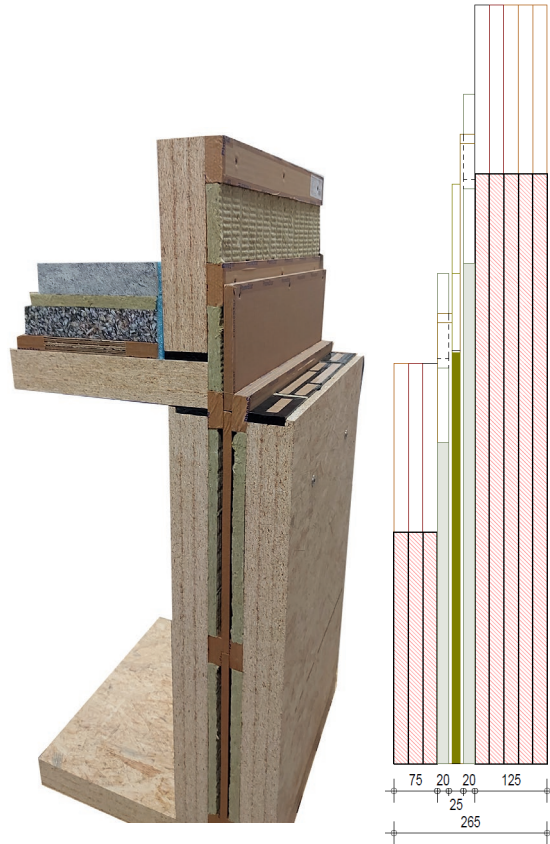- **Cantilevered balcony 1.90 m**

  200 mm thickness

Project | Grömitz West

- Requirement:

  - Separation wall as thin as possible

  - minimum Rw = 56 dB

  - sustainable material

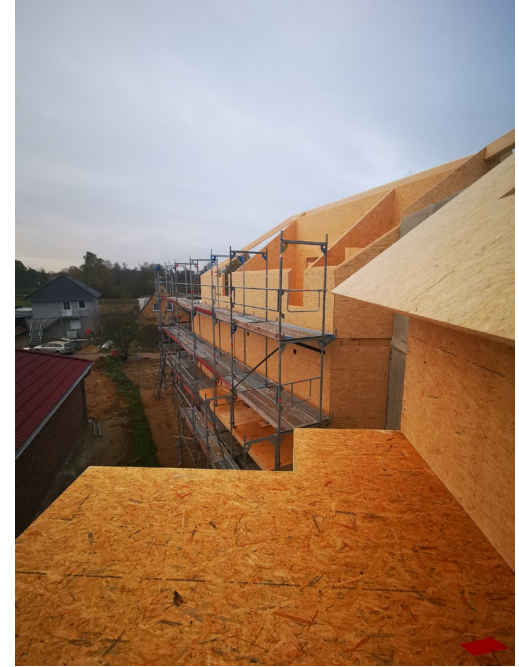 - Quick assembly

Flat separation wall

Project | Grömitz West

- Solution: **ONE BLOCK**

- Own developing between

  3B TEC MAGNUMBOARD,

  Kuschel&Fricke and Wolf Bavaria

- Total thickness 26.5 cm

- Rw = 66 dB

- Prefabricated → Quick assembly

Project | Grömitz West

Project | Grömitz West

Project | Holzmarkt Berlin

Architecture:

Office ParkScheerbarth

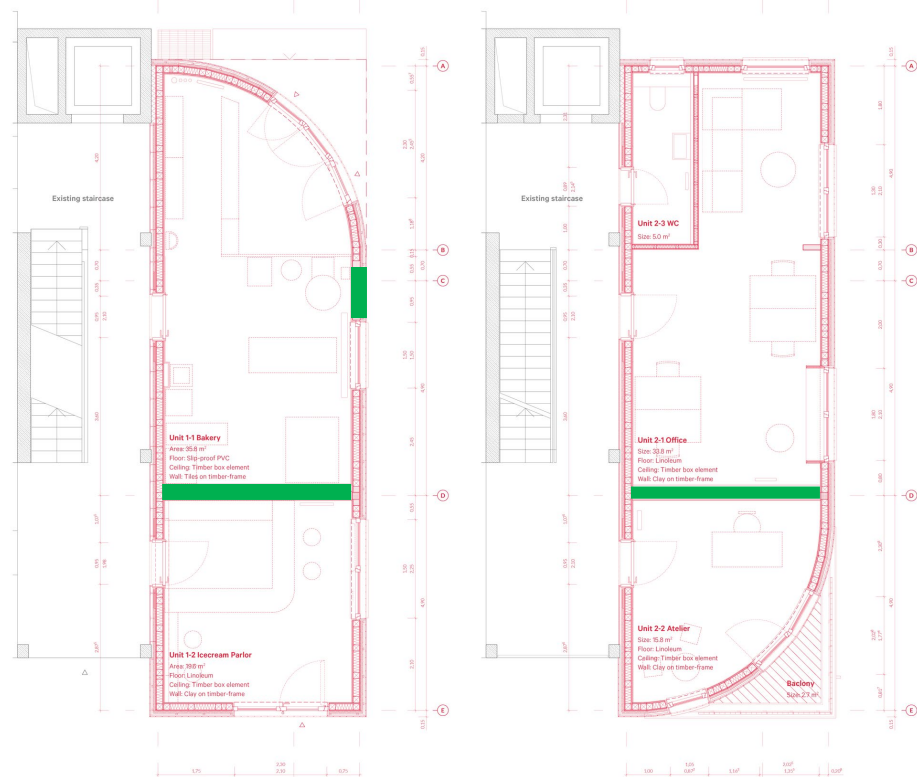Christinenstraße 21, 10119 Berlin

www.o-ps.com

Project | Holzmarkt Berlin

A three-story timber house in Berlin
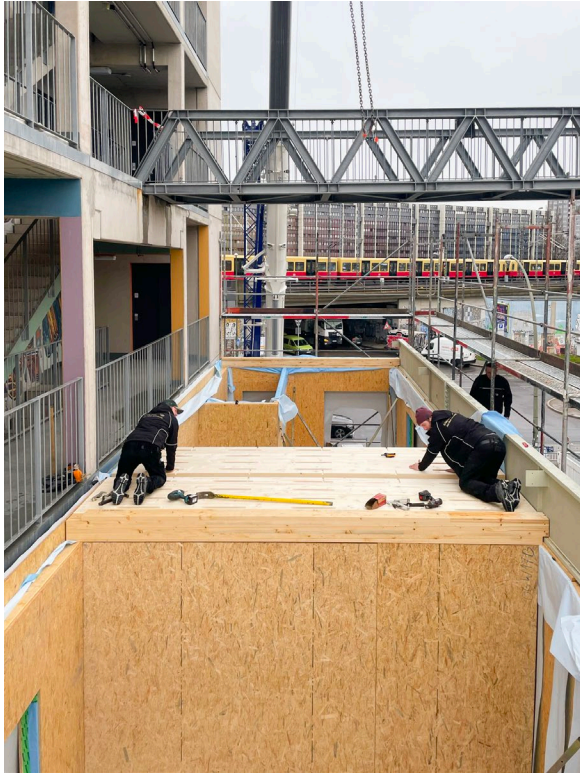
- Architecture:

  Office ParkScheerbarth

- Start: 09/ 2022

- Finish: 08/ 2023

- Built surface: 200 m² GFA

- Special requirement for separation wall:

  - Strong statically wall element

  - REI 60 fire resistance

- Solution: MagnumBoard Wall

  - Ground floor: 200 mm and 175 mm

  - 1st floor: 175 mm

Ground Floor Plan

1st Floor Plan

Project | Holzmarkt Berlin

Thank you!

FAST   **MASSIVE**   **INDIVIDUAL**   **ECOLOGICAL**

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Julien Oldengott

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www.magnum-board.de

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