

## Mehrfamilienhaus in Dortmund

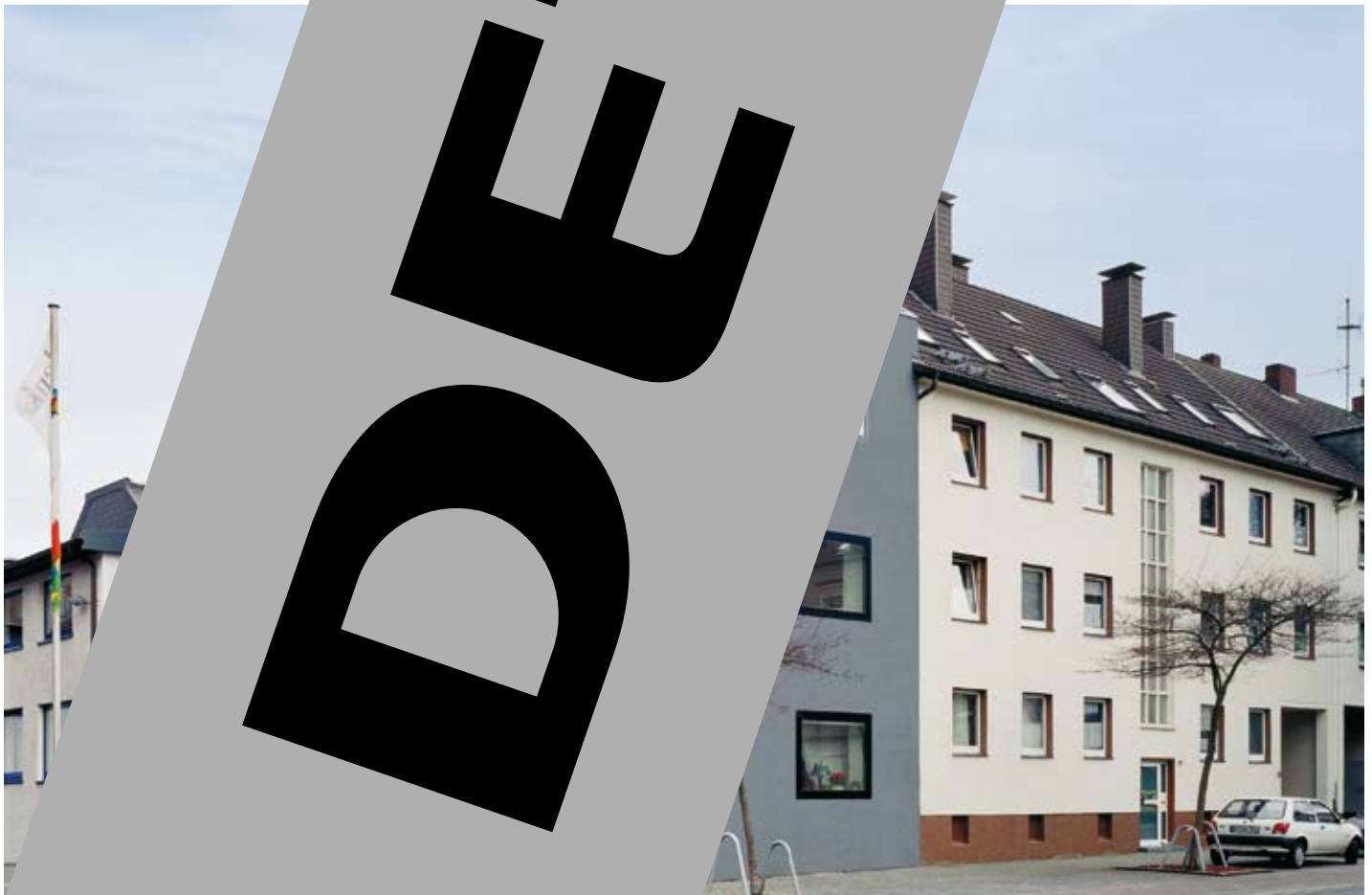
### Housing Block in Dortmund

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 Tragwerksplanung:  
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Fotos:  
 ArchiFactory.de, Christian Richters

Der Wandel des Ruhrgebiets ist auch im Dortmunder Stadtteil Hörde spürbar. Die brachliegenden Flächen des stillgelegten Hochofenwerks Phoenix sollen zu einem Innovationsstandort werden mit einer Mischung von Forschung und Entwicklung sowie Dienstleistungs-, Wohn- und Freizeitanlagen. Einige Straßen davon entfernt ist die Verwandlung eines Mehrfamilienhauses bereits vollzogen: Die Nutzung hat sich nicht geändert, wohl aber das Erscheinungsbild. Durch den Wunsch nach einem zusätzlichen Geschoss war es nötig, das Dach zu erneuern sowie die Fassade zu dämmen. Entstanden ist ein »neues«, scharf gezeichnetes Ge-

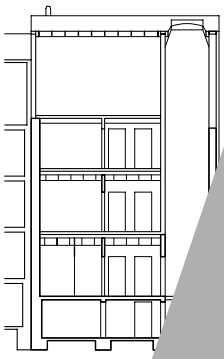
haus. So konnte in der Fassade eine Fenster verziehtet werden. Die dunkle Aluminiumbleche sind nun zu einem »Kunst-«-Gegenpol zu dem mono- Konzept des Wohnhauses ist. Die massive Brüstung führt die betontreppe empor. Die zweiten Geschoss variiert den bestehenden Wohnungen mit Wohn- und Essbereich. Die neue Dache und die kubische Form des Haus in die Typologie des »Kunst-«-Haus – je nach Lichteinfall verwandelt es in einen eidi- gen Monolithen.



# DETAIL

The process of rehabilitating the Ruhr industrial area and turning it into a modern urban environment is clearly evident in the district of Hörde in Dortmund. Plans exist to transform the derelict areas once occupied by the Phoenix blast-furnace plant into a location for innovative activities, with a mixture of research and development, service and leisure facilities as well as housing. A few streets away, a similar concept has been implemented in the conversion of a six-story block of flats. The use has not changed, but the appearance has. In the process of adding a storey to the house, the roof was renewed and the facade insulated

from the broad pavement covered by a finely articulated canopy. The adjoining staircase from above through the light well, which allowed windows in the respective aluminium sheeting with colorful bands the staircase space and forms a welcome contrast to the monochrome concept of the rest of the building. A solid balustrade winds up the new concrete staircase, but out of the additional open-plan area on the second floor varies from that of the existing flats.



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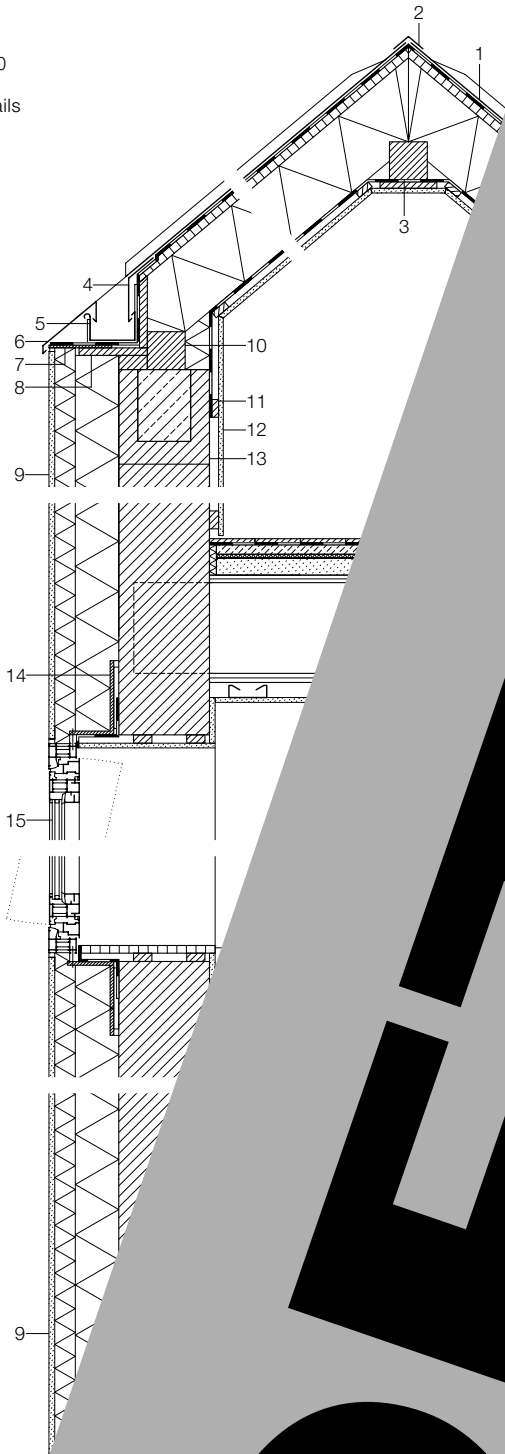


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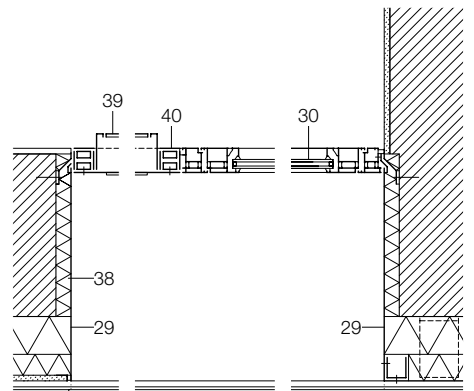
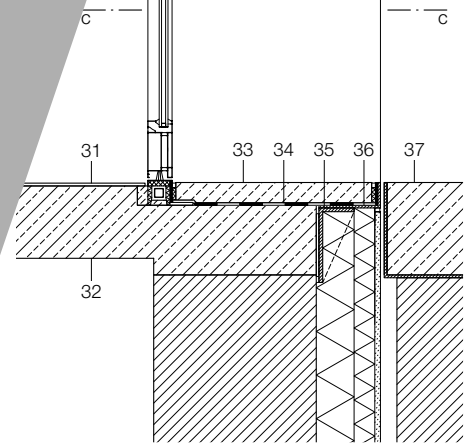
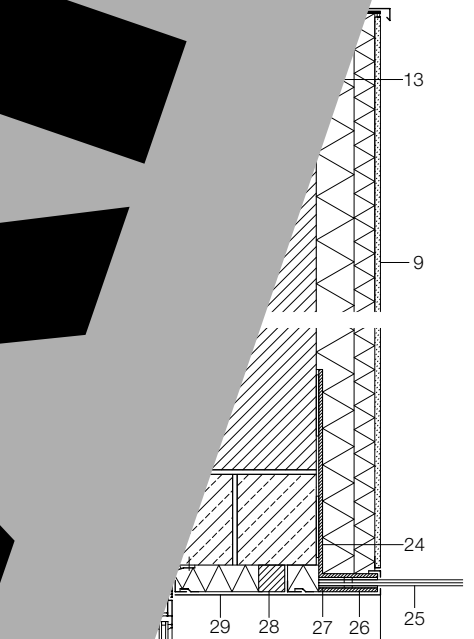
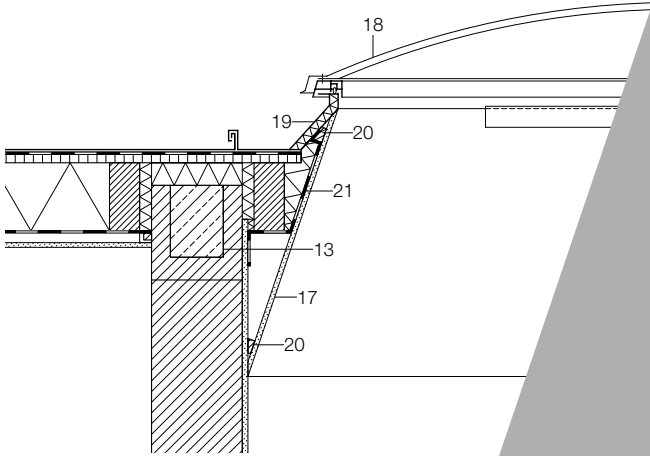


Detailschnitte  
Maßstab 1:20

Sectional details  
scale 1:20



- sheet-zinc roofing with
- nts
- layer
- and board
- re
- between
- s
- lathing
- erboard
- ge covering
- timber ridge purlin
- st-zinc gutter flashing
- box gutter
- eaves flashing
- sheet-aluminium closing strip
- mm timber plate
- struction:
- coloured scraped rendering
- 30 mm two-layer composite thermal insulation
- m
- 400 mm new aerated-concrete
- ck walling
- 0-430 mm existing brickwork
- 0/100 mm timber eaves plate
- 4/48 mm wood lathing
- 12.5 mm plasterboard
- 240/250 mm sandlime U-section peripheral
- tie beam
- 150/200/10 mm aluminium angle
- 5 horizontally pivoting stove-enamelled aluminium
- casement with double glazing:
- 2x 4 mm float glass + 16 mm cavity
- 16 20 mm medium-density fibreboard window sill,
- painted white
- 17 15-20 mm gypsum plaster
- 18 1.00 x 2.00 m domed roof light:
- 2x 3 mm clear perspex
- 19 fibre-reinforced polyester-resin kerb
- with thermal insulation
- 20 splay-cut wood bearers
- 21 vapour barrier
- 22 100/60 mm timber plate
- 23 sheet-metal verge covering
- 24 140/550/10 mm galvanized steel angle
- 25 lam. safety glass: 2x 8 mm partially toughened
- glass with 0.76 mm inlaid polyvinyl-butylal sheeting
- 26 140/10 mm galvanized steel plate
- 27 5 mm elastomer seal on both sides
- 28 60/60 mm timber bearer
- 29 3 mm stove-enamelled sheet aluminium
- 30 stove-enamelled aluminium entrance door with dou-
- ble glazing:
- 2x 4 mm float glass + 16 mm cavity
- 31 3 mm linoleum
- 32 180 mm reinforced concrete slab
- 33 60 mm concrete topping
- 34 liquid bituminous seal
- 35 200/100/10 mm galvanized steel angle
- 36 150/65/5 mm stainless-steel angle
- 37 250 mm reinforced concrete slab
- 38 40 mm thermal insulation to reveal
- 39 stove-enamelled letter box
- 40 aluminium frame:
- 2x 25/50/4 mm sections thermally separated



# DETAIL

