TAZ NEUBAU: STRUCTURAL SYSTEM NETWORK WITH MINIMUM MATERIALS

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Categories: E2A, Energy and sustainability, Middle Density, Project, Technology and fabrication, Urban Paradigms

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From its special corner location on Friedrichstraße, the new building for the *taz* newspaper mediates between the traditional Berlin block and the solitary buildings from the time of the IBA in 1984. The combination of corner and block was solved simply: along Friedrichstraße, the Berlin eave height was adopted, and the block was continued. A gentle setback in the façade creates a clearly accentuated entrance. The street, corner and courtyard thus become the urban leitmotiv and transform the potential building envelope from the current development plan into a simple and concise volume.

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The structural system of the new house is designed as a network with minimum materials used to achieve the maximum load capacity. All the elements perform the same function and only achieve stability together. It is a system without hierarchy. The architectural appearance of the new house for the *taz* reads as a structure and as a symbol of the organization at the same time.

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Externally, the network structure appears as a filigree layer with French balconies. It spans the new building and gives it its lightness. The 13-meter-deep office areas create a workshop atmosphere and allow for a variety of ways of working. In the center of the building, a vertical staircase sculpture connects the floors.

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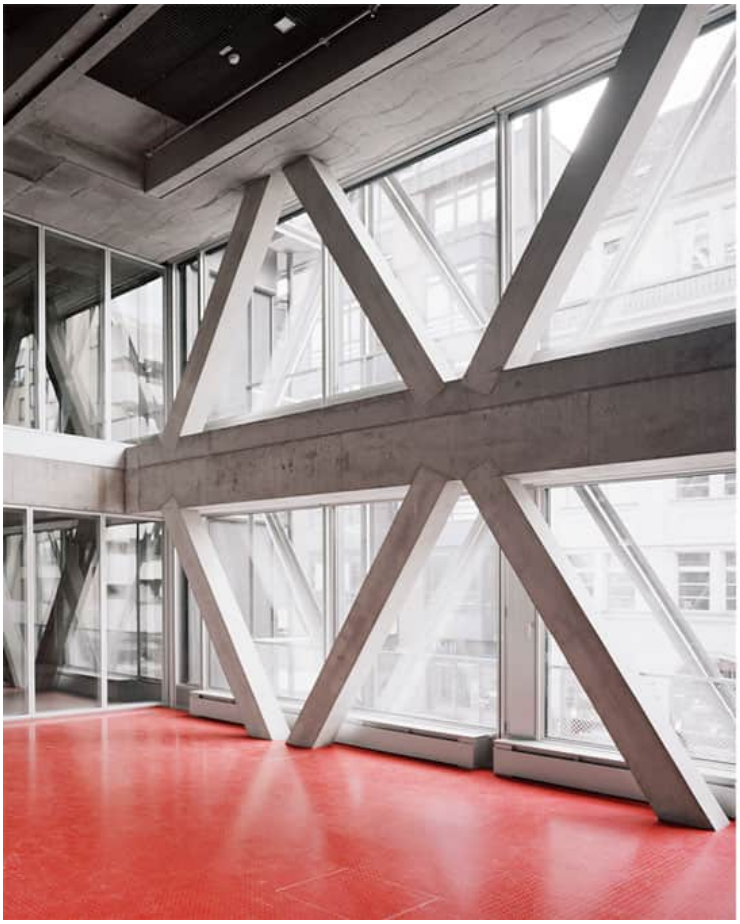

The architecture, façade and intelligently used building technology are optimally coordinated to develop a building and technology concept with high user comfort and minimum energy input. Balanced climate conditions throughout the complex keep the heating and cooling periods short and provide longer energy-free transitional periods in between.

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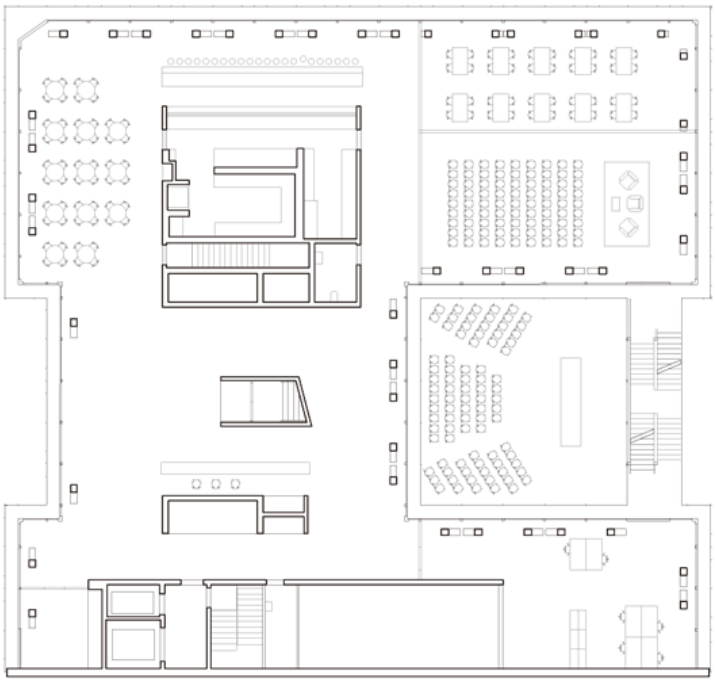
Additionally, the open space structures compensate for any climatic differences between the different façade orientations. The consistent reduction of thermal loads reduces the energy turnover in the rooms to a minimum, which has a positive effect on energy consumption as well as thermal comfort.



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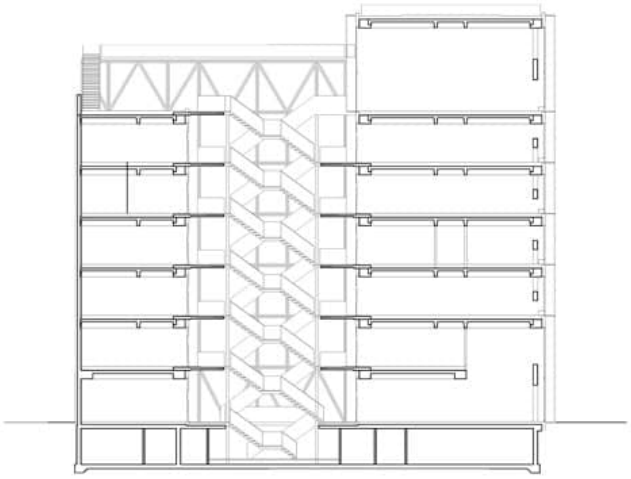

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