RECONSTRUCTION OF THE RAILWAY STATION IN ZADNI TREBAN

The proposal for the reconstruction of the railway station in Zadni Treban expands the station's original function to include cultural, tourism, and recreational uses. The project creates a new public space that connects transportation, social interaction, and the atmosphere of the place in the immediate vicinity of the Berounka River.

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A+S — Architecture and Civil Engineering
k129 — katedra architektury

Studio
Architectural Design Studio 2
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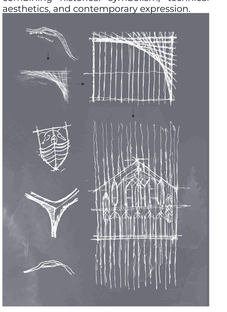
IDEA OF THE SOLUTION

The main idea is to provide direct, comfortable access to the railway station in Zadni Treban, removing the need to bypass difficult terrain and linking the station with new building functions.

VISUALIZATIONS

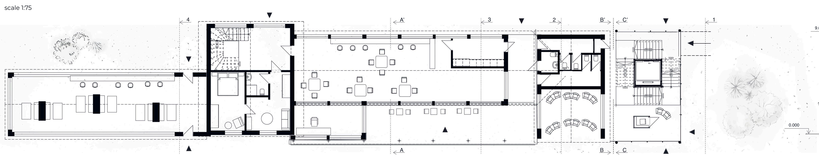
CONCEPT

The architectural concept is based on the historical identity of Zadni Treban, the neo-Gothic character of Karlstejn Castle, and the motif of the Berounka River, whose lines are translated into the building's parametric structure. The main idea is a contrast between historical memory and contemporary architecture, where a traditional archetype is placed within a transparent technological shell.
The vertical rhythm and slender proportions reference neo-Gothic architecture, while steel and industrial elements reflect industrialization and the railway's role as a social phenomenon. The result is a space combining historical symbolism, technical aesthetics, and contemporary expression.



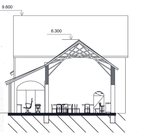
FLOOR PLAN

scale 1:75



SECTION A-A'

scale 1:75

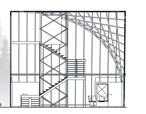


SOUTH ELEVATION

scale 1:75

SECTION B-B'

scale 1:75

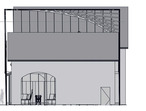


NORTH ELEVATION

scale 1:75

SECTION C–C'

scale 1:75



SPATIAL DESIGN

1. Bicycle path entrance
The building is connected to a pedestrian and cycling route from nearby houses on the slope and the opposite riverbank.

2. Waiting hall
The main interior space is a generous waiting hall with an information centre and sanitary facilities. It connects all parts of the building and includes vertical circulation via stairs and a lift.

3. Restaurant
The restaurant is linked to the main circulation and includes an outdoor terrace oriented towards the landscape.

4. Coworking
The coworking space adds work and community use to the building.
Additional functions: bicycle storage and parcel lockers.

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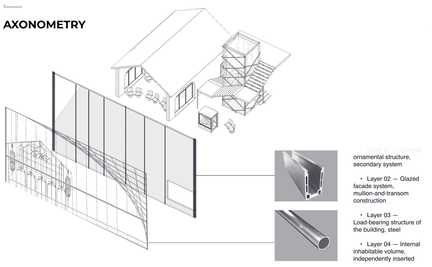
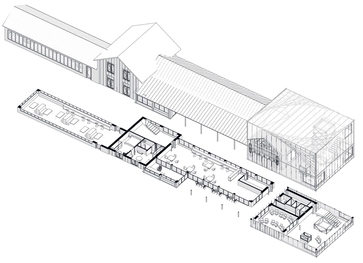
Accommodation: two apartments on the upper floors, each with a kitchen, bathroom, and bedroom.

The structural system of the building is largely preserved as a reference to the historic station building. The reconstruction follows the original structural logic, with partial removal of masonry elements and their replacement by an open spatial system.
The aim is to preserve the historical footprint of the building while enabling a new spatial and functional openness for contemporary use.

AXONOMETRY





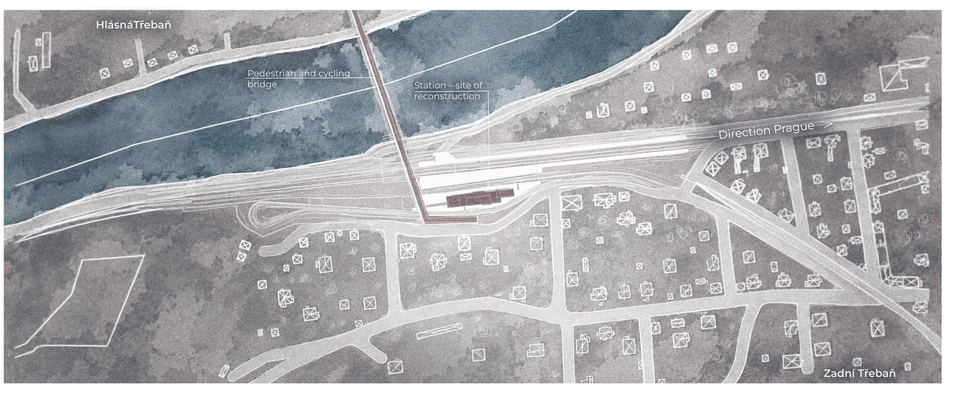
SITE PLAN

scale 1:1000

The new cycling route provides a direct connection to the main railway station from all directions, including the opposite riverbank, surrounding roads, and pedestrian paths. The site is located in a natural environment that encourages longer stays in the restaurant and coworking spaces.
The building functions as a transit point for passing cyclists and visitors.
The station thus represents the main transport hub of the area with a direct connection to Prague.

STRUCTURAL AND FACADE DESIGN

The new facade system is composed of a column structure with a standard mullion-and-transom glazing system. Around the restaurant, arched beams are added to define its spatial layout.

The main architectural feature is a freestanding glazed cube that encloses part of the original station building and creates a strong compositional accent. Inside the cube, the original massing is preserved with a lightweight facade treatment.

The facade is complemented by an exterior exoskeletal structure made of thin-walled hollow steel tubes anchored to the external columns of the glazing. This element serves an aesthetic and compositional function.