



# Rucar Logistics and Community Centre

Interims Report

01/2026



# Why a Logistics Centre?

A national park must have adequate infrastructure to fulfil its tasks in terms of nature conservation, education, tourism development and administration.

The logistics centre serves as a regional hub for administration, meetings with local communities, storage, workshops, parking, repairs and cleaning.

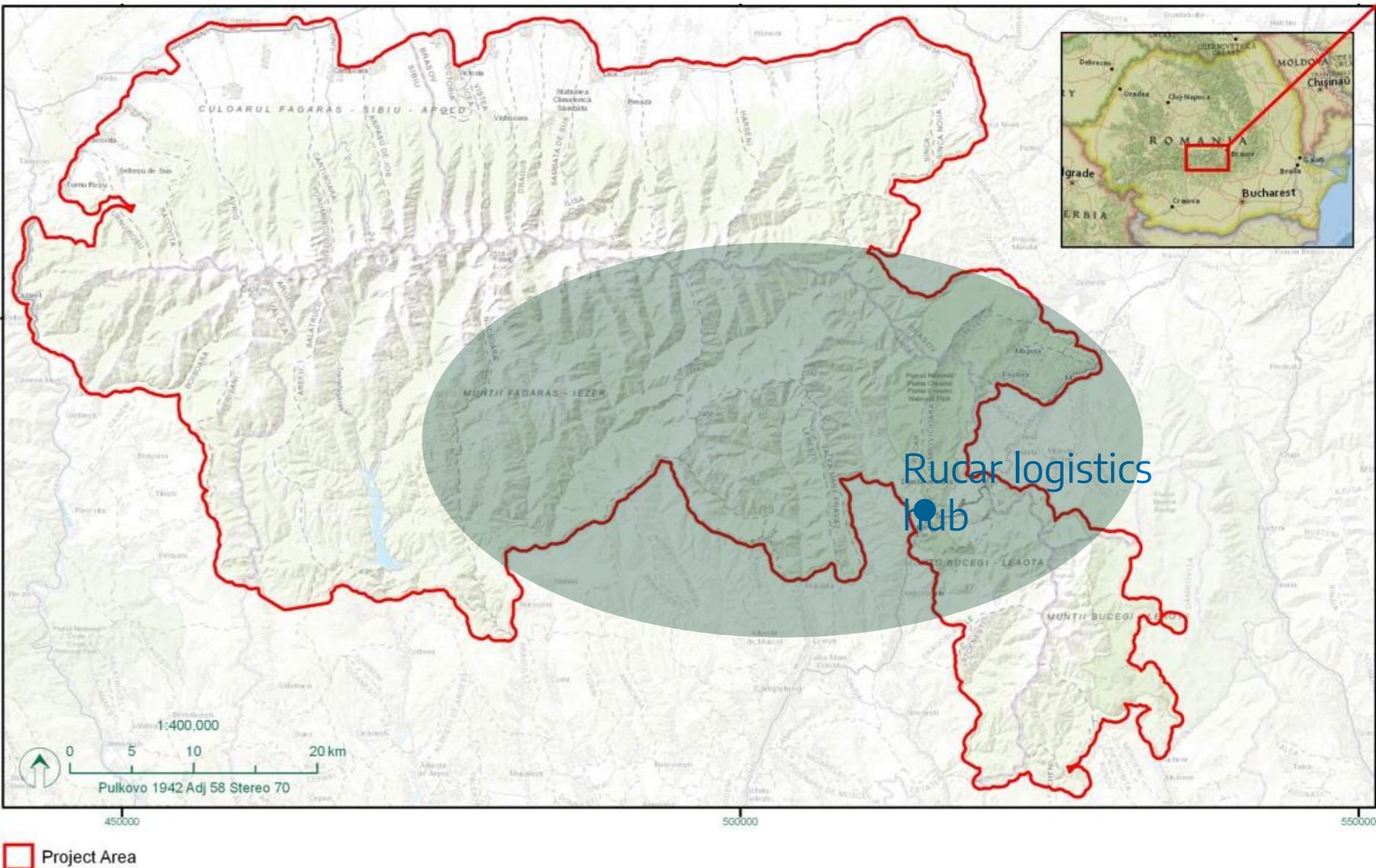
## National Park Infrastructure – Administrative Part

- + **Administrative centre**
- + **Carpentry workshop**
- + **Food-hub warehouse**
- + **Storage sheds**
- + **Covered parking places**
- + **Electric car chargers**
- + **Volunteer accommodation**
- + **Technical buildings**



# Location of the Logistics Hub

The logistics hub is the first regional administrative centre of its kind in the south-east of the Făgăraș Mountains and serves all our activities in Piatra Craiului and Leaota Mountains, and in the 9 communes of the area.



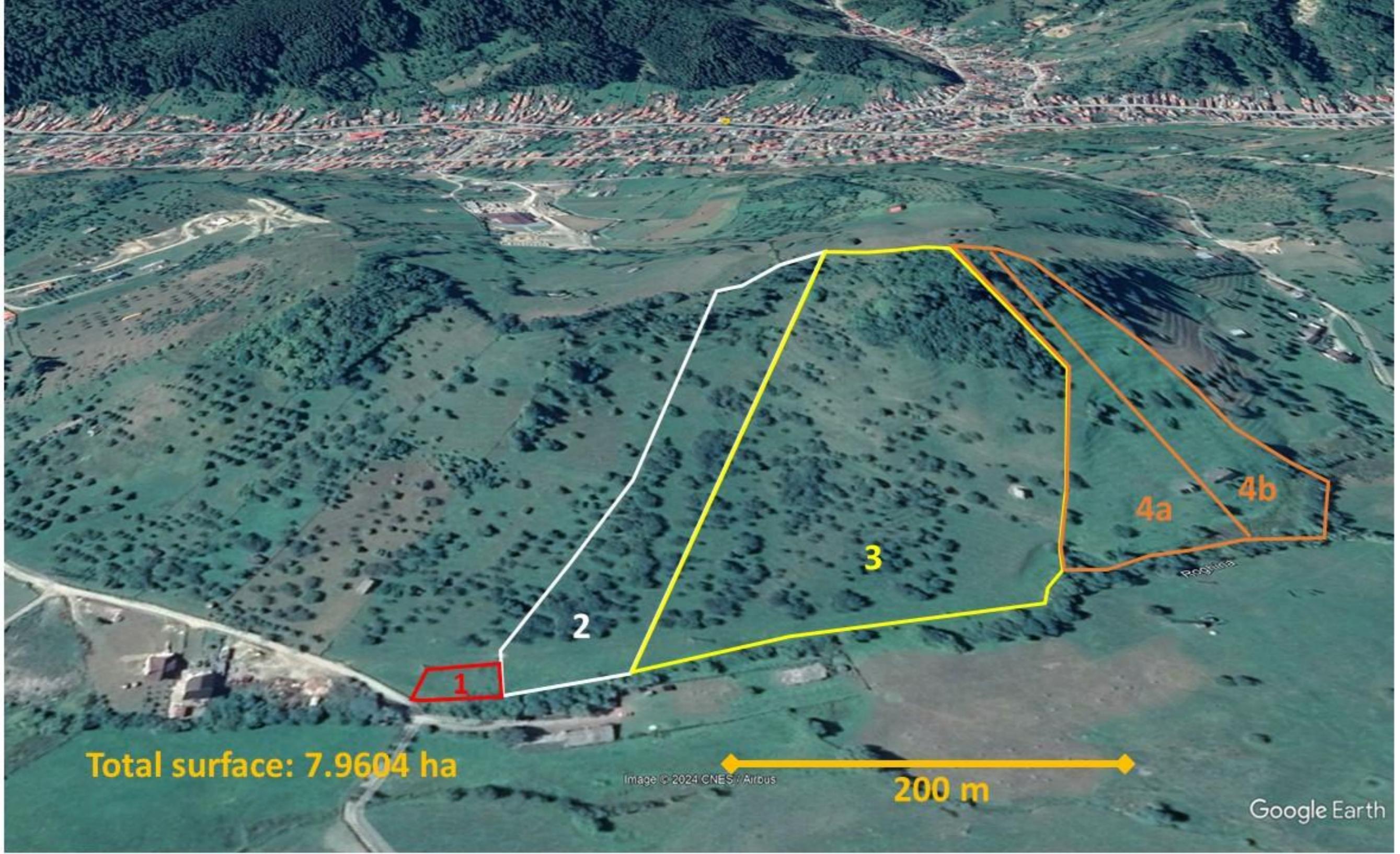




For the location of the logistics centre, we found a sprawling old orchard in the village of Rucar covering an area of approximately 8 hectares, of which the lower third already belongs to the building area and the rest will become part of the building area with the new land use plan.

The idea was to leave the structure of the orchard intact and to build the various components of the centre in the form of a campus among the trees in order to preserve as much of the old orchard as possible.





# Principles of Construction (from our Infrastructure Plan)

## Environment

- We use natural materials with low environmental impact.
- We integrate the buildings into the existing orchard.
- We are building an energy system that makes the centre CO2-positive.

## Beauty

- The logistics centre must be an outstanding example of beauty.
- Each element must blend into the landscape and feature elements of local architecture.

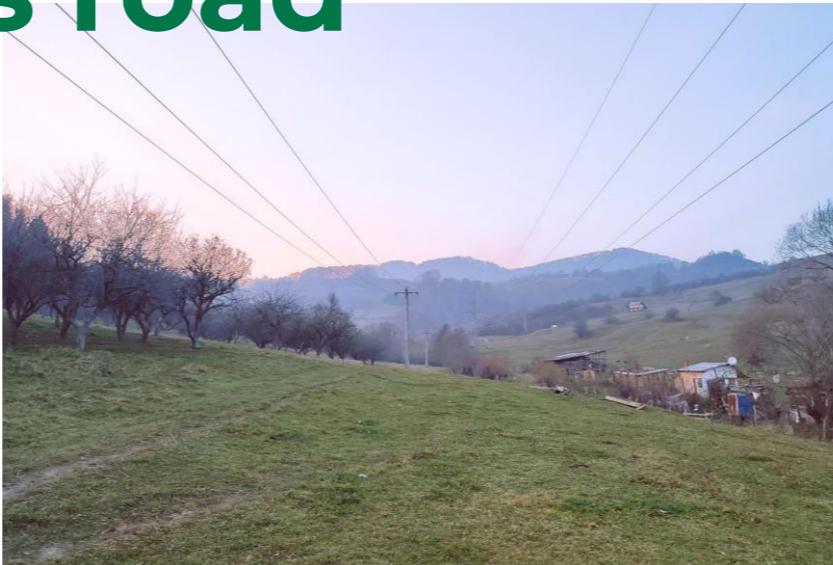
## Functionality

- The logistics centre is not a museum, but must be a pleasant workplace for our employees.
- The centre should also support our communication with and involvement of the local community.

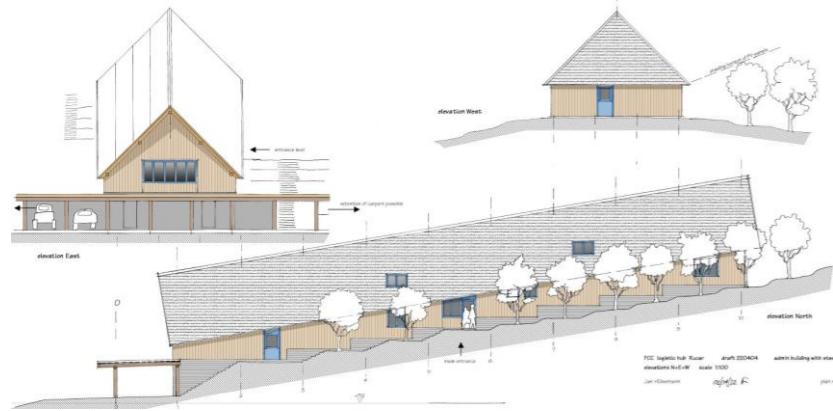


# Phase I: Access road

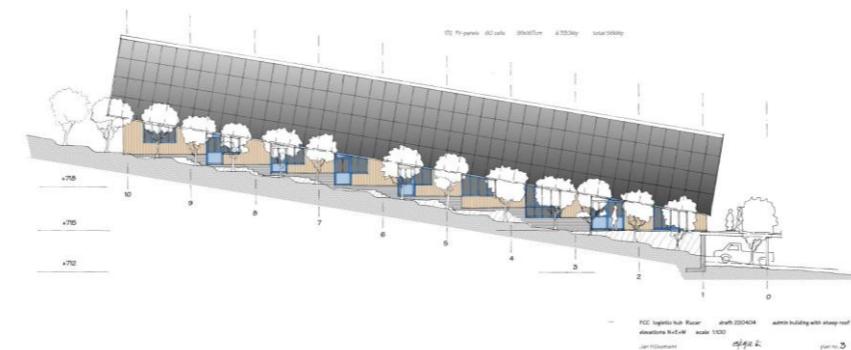
Our first step was to build an access road and extend the electricity grid and sewage system to the location.



# Phase II: Architectural planning of the administrative building



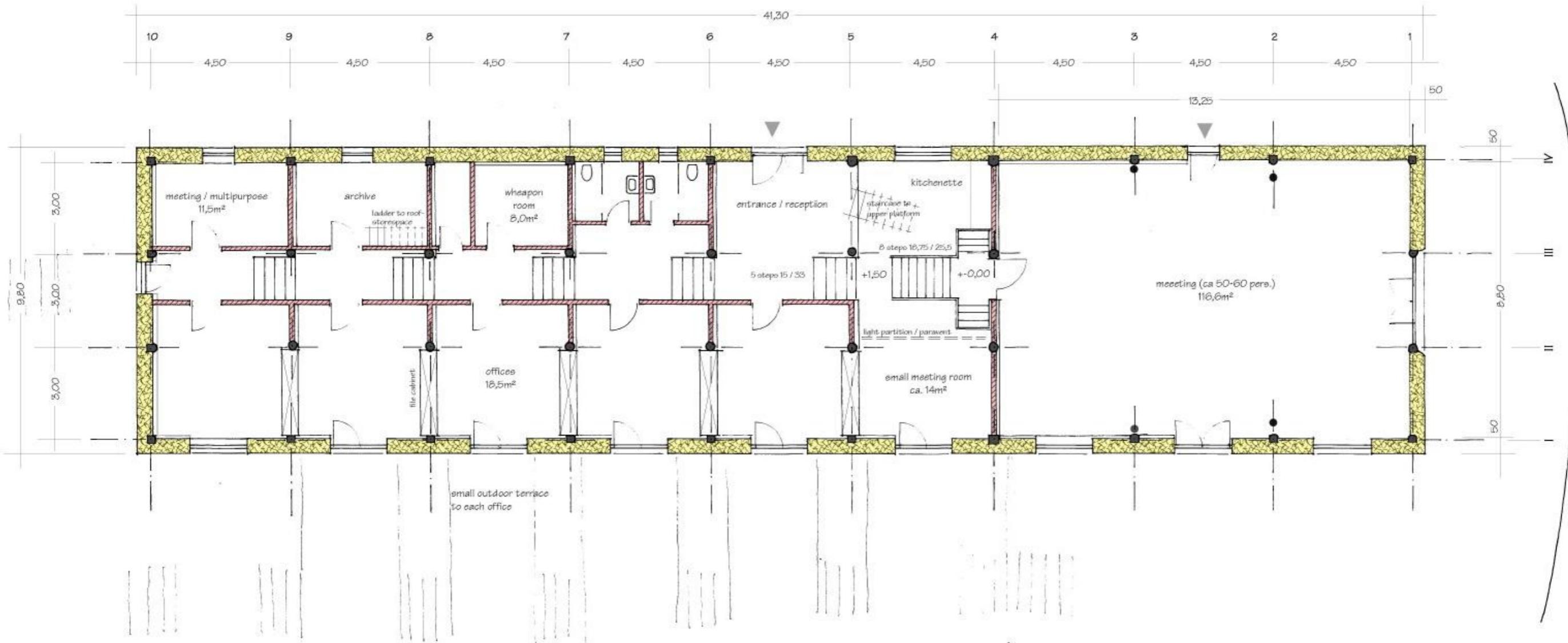
We have decided to build an administrative facility that combines traditional elements with shingles on the north side...



... and a PV system on the south-facing roof to generate sufficient electricity for the building itself, the heat pumps, and for future electric vehicle charging stations.

The administration building is the first part of the logistics centre and the heart of the facility. It houses the branch offices of our forest service and the administration of hunting concessions, as well as rooms for meetings of field staff, and allows lectures and presentations for the Rucar community. It has a large and a small meeting room, five offices, an armoury, a multi-purpose room, a server room, an archive, kitchenette and toilets.





straw bale  
 brickwork masonry in lime mortar  
 wood (main structure only)

FCC logistic hub Rucar  
plan scale 1:100

draft 220616

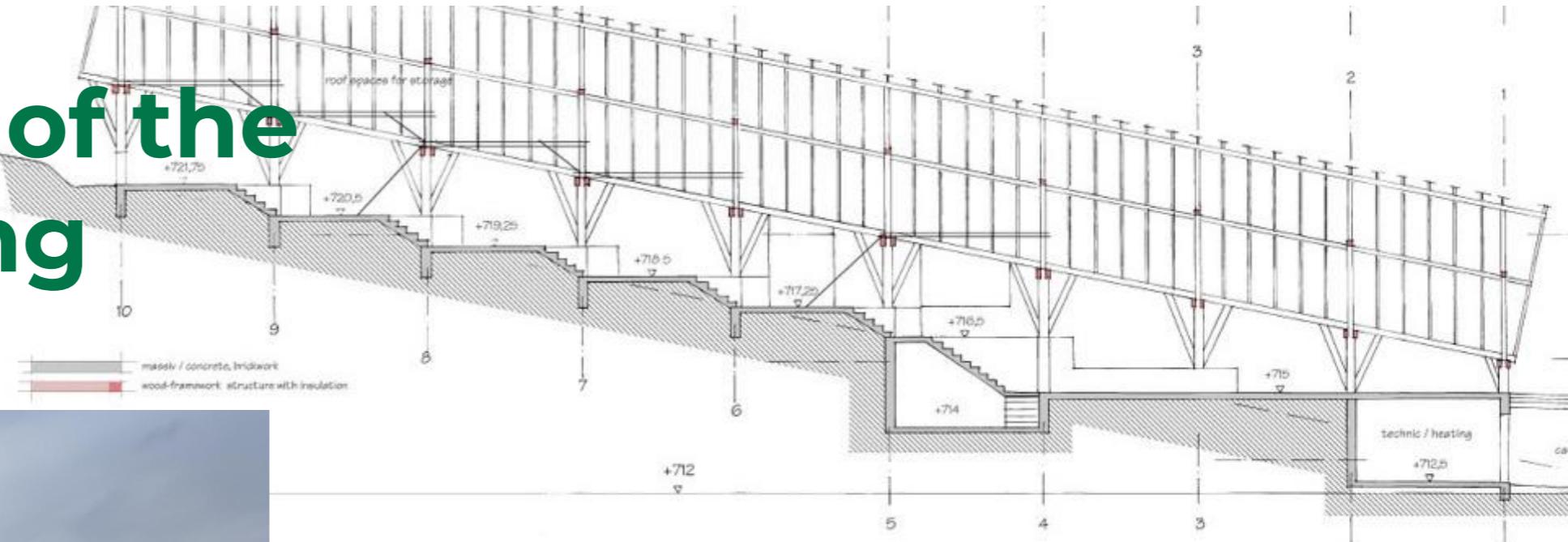
admin building with steep roof

Jan Hülsemann

16/06/22 HJ

plan no. 5

# Phase III: Construction of the admin building



Since the entire orchard is located on a slope, we had to build the foundation for the administration building in many vertical steps, which was difficult and time-consuming.

We have reduced the amount of concrete to a minimum and used environmentally friendly materials such as glass foam for waterproofing.





As is customary with all our infrastructure, we try out new things and use natural materials. For the administration building, we are using compressed straw bales in a timber frame construction for the first time, thereby reducing its ecological footprint.





By spring 2024, all foundation work had been completed and the timber frame construction had begun.





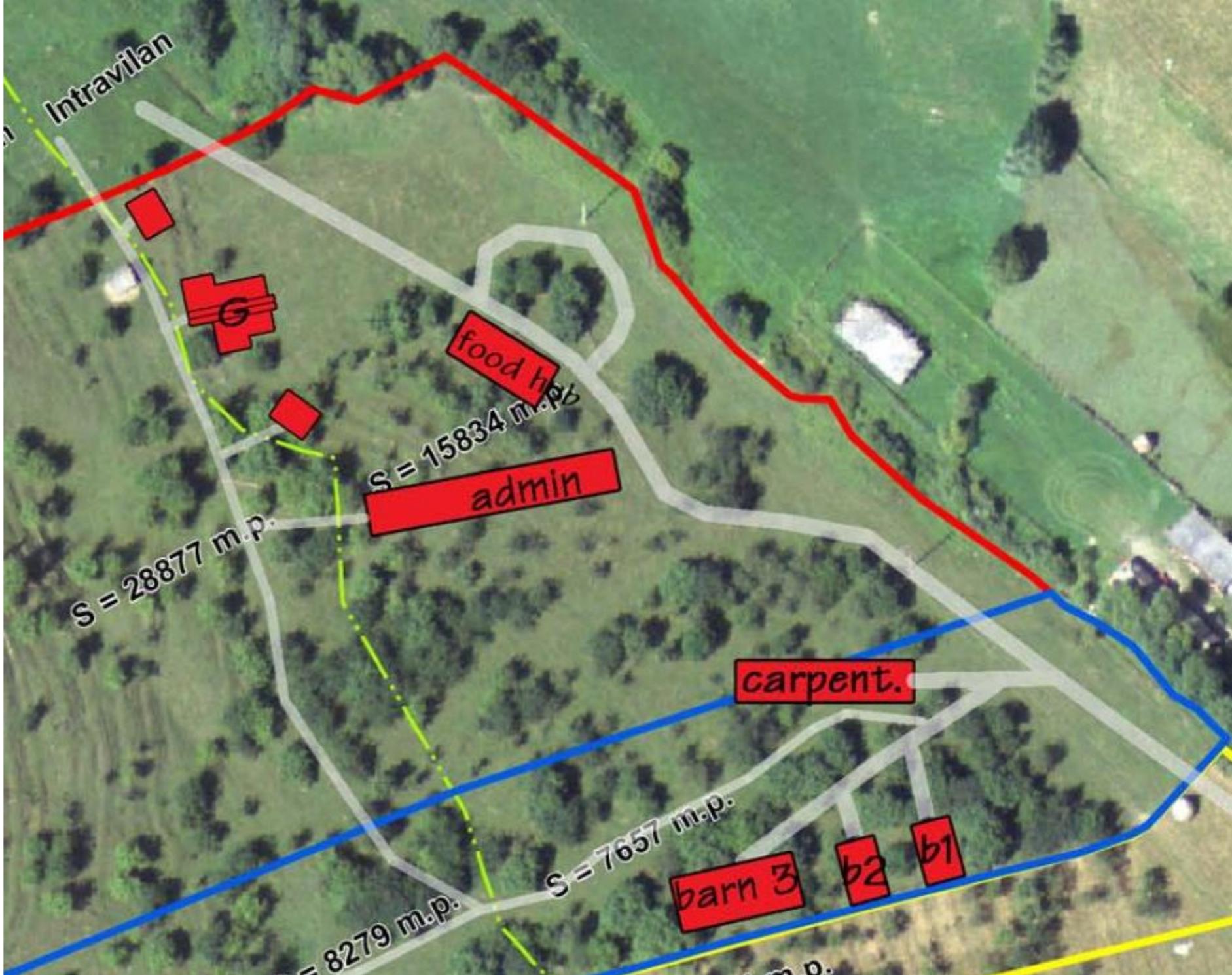
Arial of the administrative building

In the meantime, work on the administration building is well advanced, and the building will be inaugurated in summer 2026.



# Phase IV: Planning and Construction of Additional Buildings

In May 2024, we began planning additional buildings: barns for storage, a carpentry workshop, a warehouse for the food hub, and a students guest house.

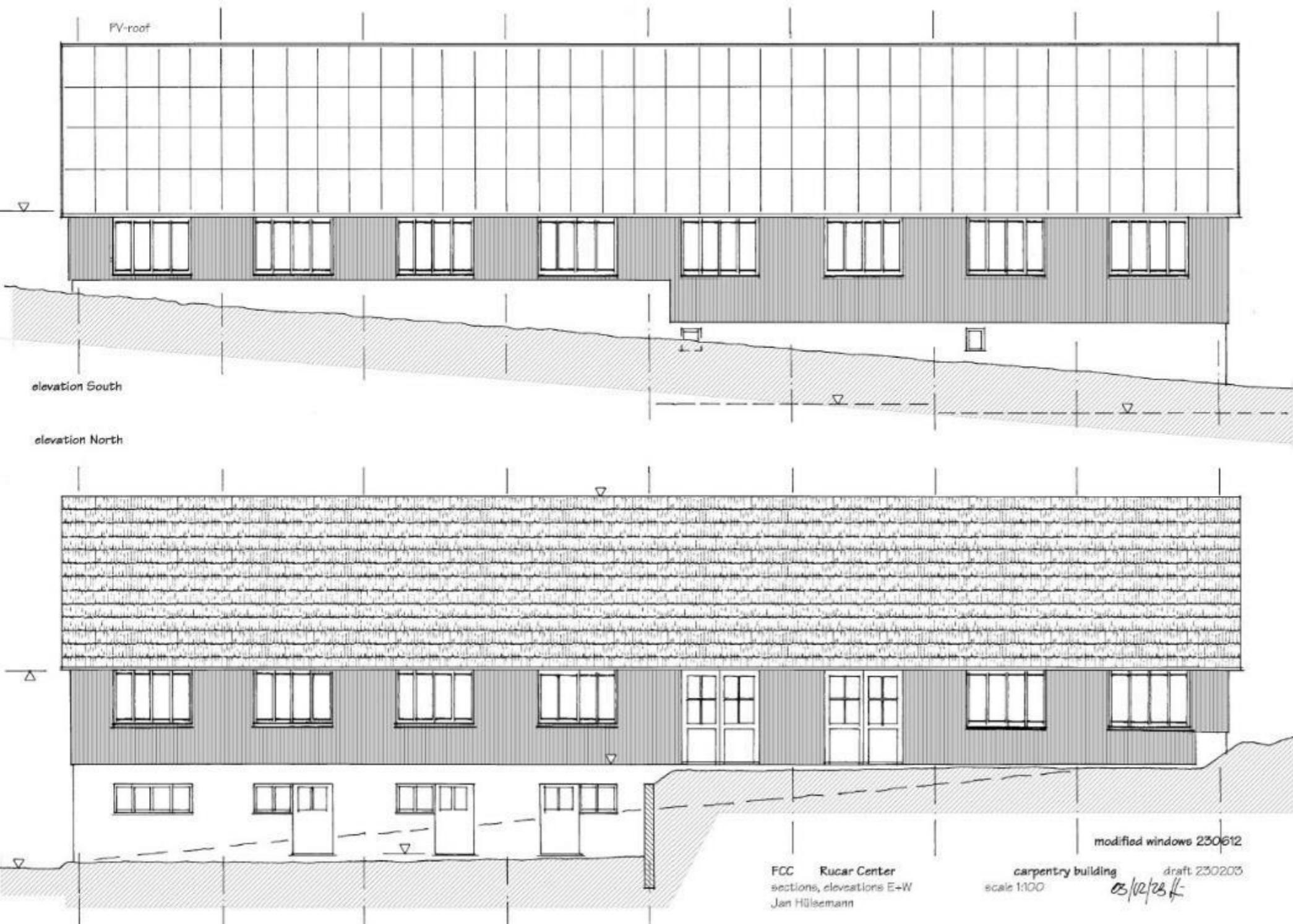


# IV.1 Carpentry Workshop

The **carpentry workshop** is used for internal work such as picnic tables, benches, signposts and other elements of the tourist infrastructure.

The carpentry workshop is also used as a training centre for students from the local technical college for nature conservation, ecotourism and woodworking.





Just like the administrative building, the carpentry workshop will also be equipped with PV modules in the south and shingles on the north-facing roof.





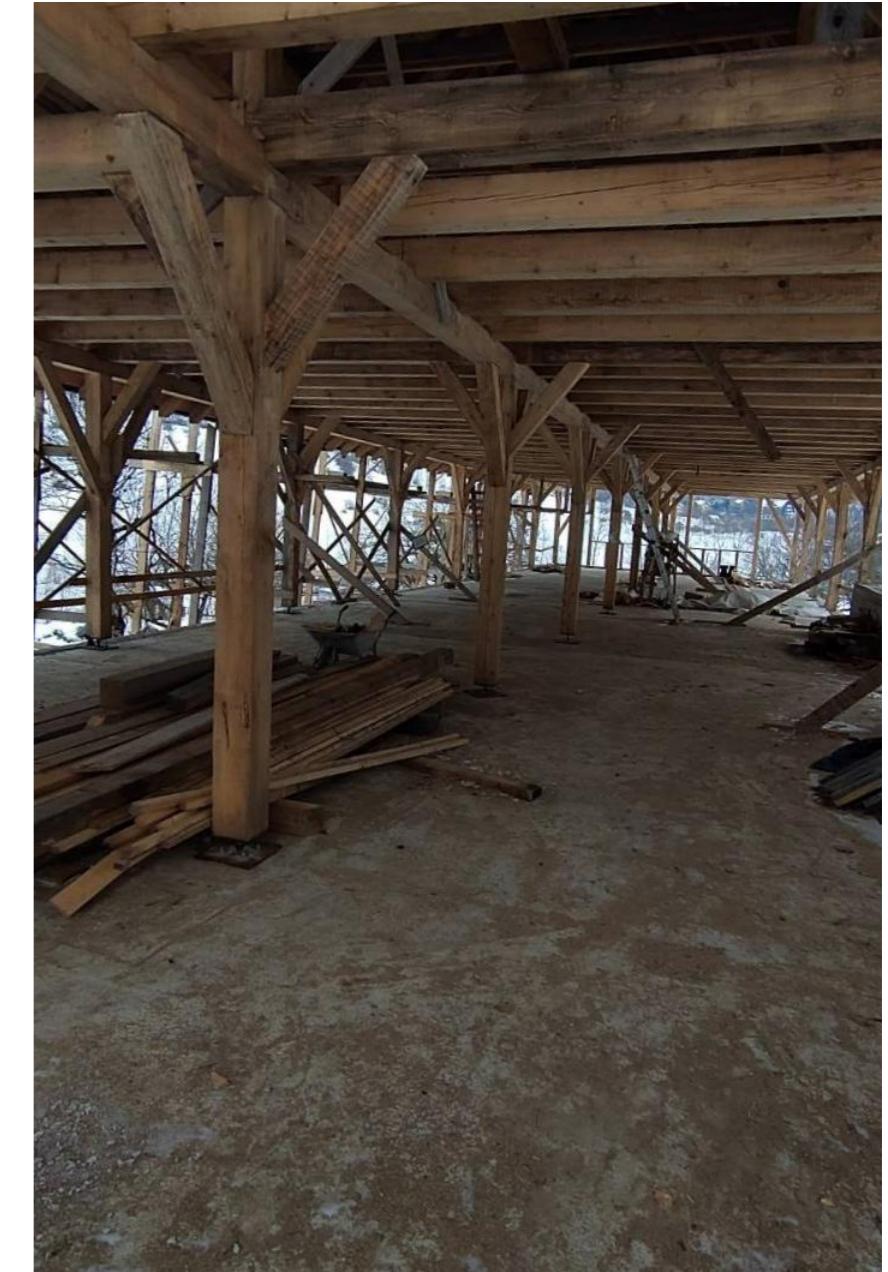


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Actual construction started in late 2024 with the foundation (including basement) for the carpentry workshop.

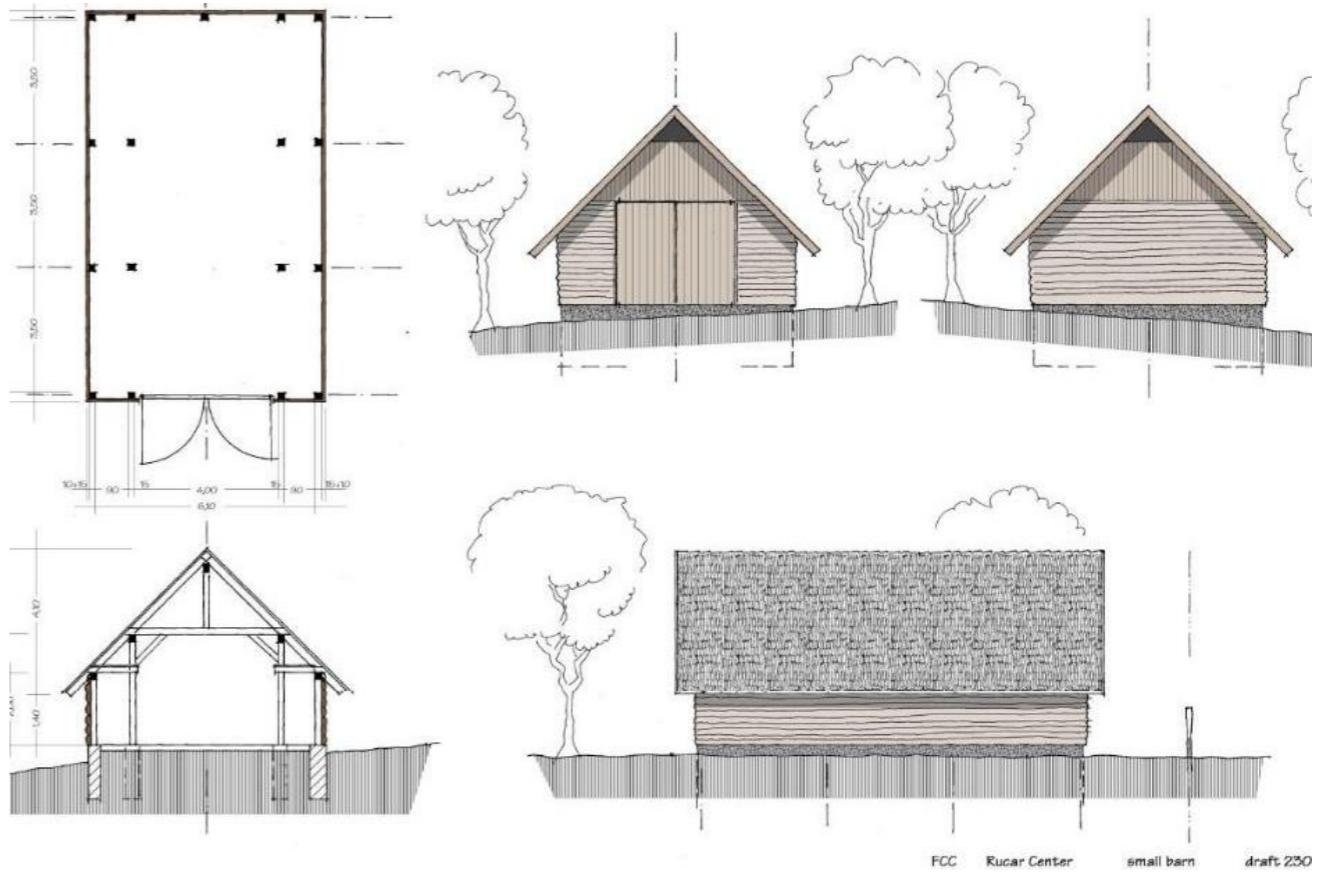


During the course of 2025,  
the shell of the building  
was constructed.



## IV.2 Storage Barns

We have planned to build three **storage barns** with the look of the old, traditional hay barns, two with each  $70\text{ m}^2$  and one with  $200\text{ m}^2$ .



The two 70 m<sup>2</sup> barns have been completed in 2024 and 2025.



We expect to receive planning permission for the large barn in spring 2026 and aim to complete it by early 2027.



## IV.3 Warehouse for Food Hub

The **warehouse** of the “Fruits of the Mountains“ food hub will be built partially underground with an administrative cabin on top.



**IV.4** We host more and more volunteers and guest researchers and need suitable accommodation.

We have currently rented a house in Rucar, which is noisy (right on the main road), uncomfortable, and does not meet our standards (plastic windows, fossil fuel heating etc.).

For this reason, we have decided to expand the logistics centre until 2028 with a **guest house complex** including common rooms and six living units (14 beds).

