

# Car shelter Blümlimattweg, Thun

2001



The client was looking for an economical load-bearing system for a car shelter. Based on the good experience with the girder grid at the Pappelweg property, it was decided to use a girder grid here as well. In addition to its functional aesthetics, this system also proved to be extremely cost-effective.

## The project

Since the roof could not be prefabricated as an intact component, it was delivered in three foldable individual parts. Parts of about 4.5 x 5.0 m were manufactured, folded to about 1.80 x 8.50 m and returned to their original shape on site. The beam height was set at just 160 mm. The various reinforcement options for the girder grid (double-guided girders, bonding with the overlying 3-layer slab) were worked through in detail. Despite this rather complex construction method, the entire wooden construction could be realized at a final price of Fr. 20,000.



Finished car shelter



Finished car shelter



Finished beam grate



View from inside

### Construction Data

- Carport: 5 cars
- shed: 10 bikes beam height 160 mm
- Length: 5.08 m
- Width: 14.23 m
- Beam grid: 73 m<sup>2</sup>

### Timber construction

Beer Holzbau AG  
3072 Ostermundigen

### Building owner

Building owner community architecture workshop 90  
3600 Thun

### Architect

Architekturwerkstatt 90  
3600 Thun