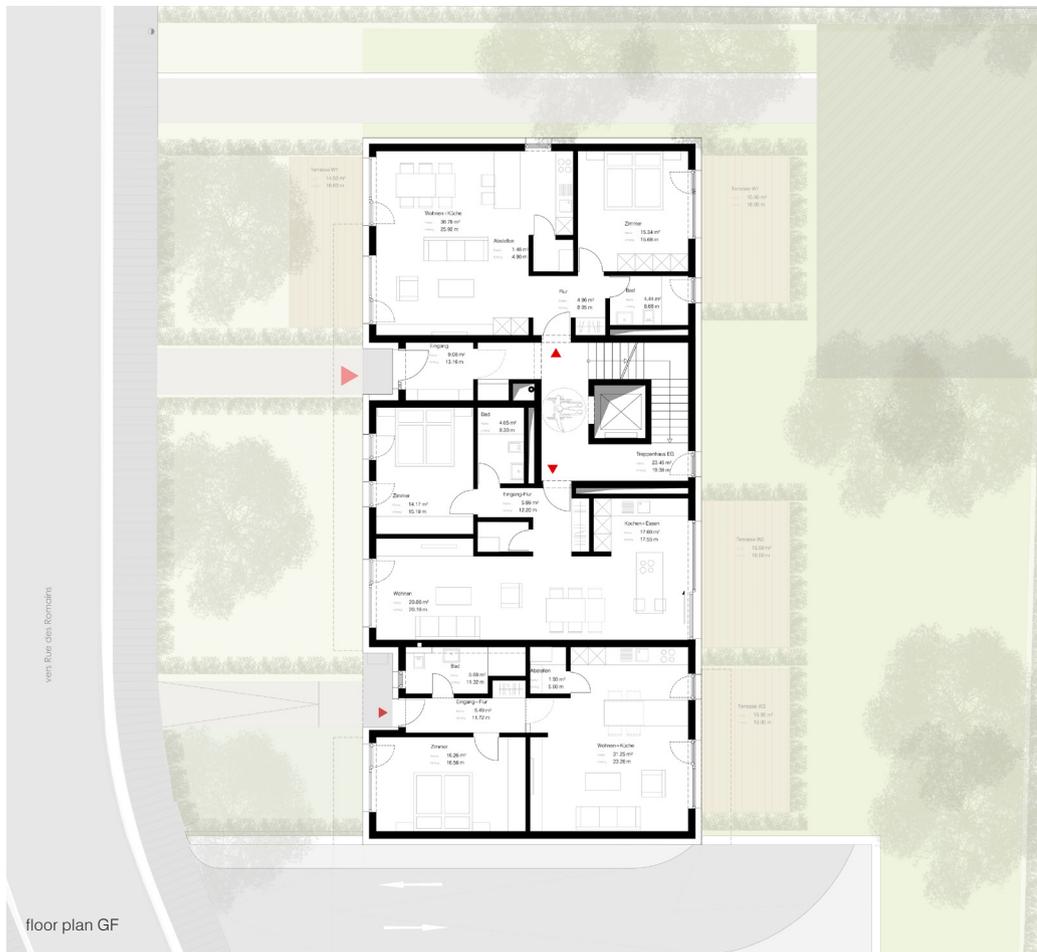


## Carpel 4 - residential building, Strassen (LUX)

project **New construction of a residential building with 9 residential units and an underground car park with 12 parking places** client **Carpel Sàrl (LUX)** architecture complete planning phase **WW+**, **Esch-sur-Alzette/Trier (LUX/GER)** gfa **828 m<sup>2</sup>** volume **3.336 m<sup>3</sup>** total area **1.095 m<sup>2</sup>** net construction costs **1.990.000 €** total gross costs **2.415.000 €** start of planning **07/2013** realisation **2015 - expected 2017**



elevation



floor plan GF

### Concept

The residential building is located in the "Wunnen am Duerf" area. The building houses 9 residential units and 12 underground parking spaces as well as a children's playground.

### Construction principle, materials and sustainability

The load-bearing structure features reinforced concrete walls and ceilings. The partition walls within the storeys are made of drywall for reasons of increased flexibility. The building features a plaster façade with the ground floor in a different colour. The ground-floor cladding is a high-pressure decorative laminate.

### Energy concept

The building is clad with a thermal insulation system. Heating is achieved via gas condensing boilers and an additional solar thermal system is installed on the roof for the central hot water provision. Each residential and commercial unit will have a ventilation system with high heat recovery.



site plan