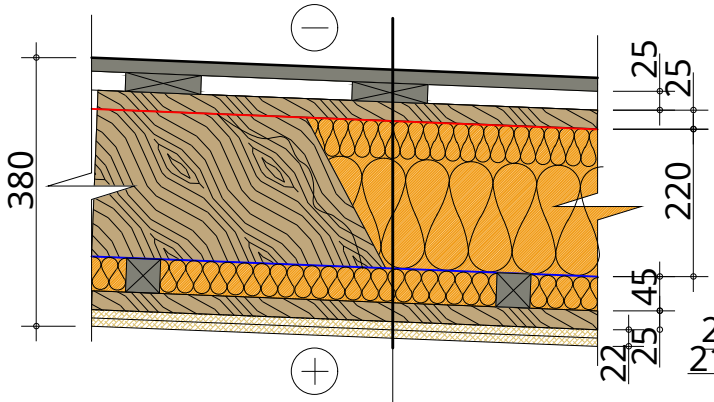
Sections of enclosing structures and partitions

M 1:10

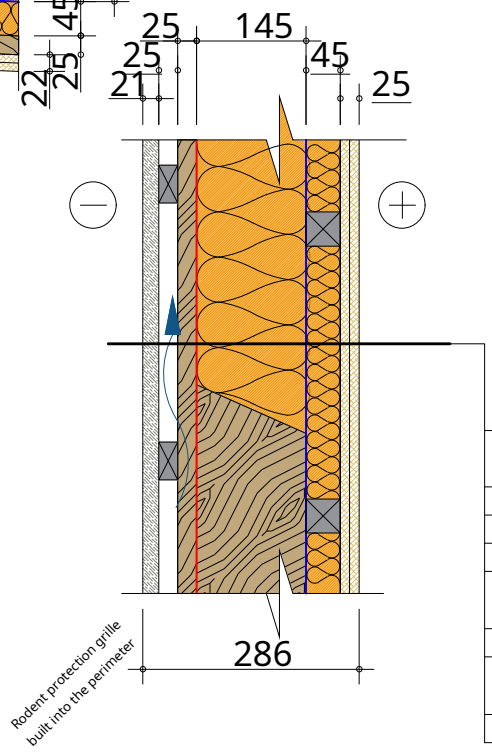
Roof



From the outside U=0.14 W/(m2K)

- Roofing Ruukki Classic
- Cross section 25x100mm s.300mm
- Lathing 25x50mm
- Diffusion membrane
- Wooden rafters C24 45x220m
  S. insulation mineral wool λd=0.036w/mk b.150+75mm
- Vapor barrier 200mk
- Crossbar 45x45mm s.500mm
  S. insulation mineral wool λd=0.036w/mk b.50mm
- Longitudinal lathing 25x50mm s.400mm
- Plasterboard in 2 layers 12.5+12.5mm

Exterior wall



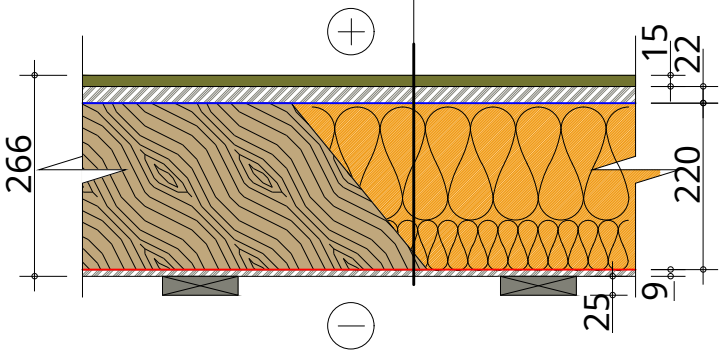
From the outside U=0.19 W/(m2K)

- Facade finishing wooden boards 21x145mm (vertical)
- Insect screen
- Horizontal batten 25x50mm
- Vertical batten 25x50mm
- Windproof insulation
- Wall wooden frame C24 45x145mm S. insulated mineral wool λd=0.036w/mk b.150mm
- Vapor barrier 200mk
- Horizontal batten 45x45mm s.610mm S. insulation mineral wool λd=0.036w/mk b.50mm
- Plasterboard in 2 layers 12.5+12.5mm

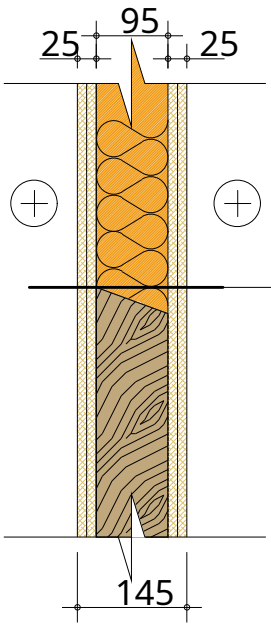
Floor

From above U=0.17 W/(m2K)

- 3-layer parquet with underlay
- OSB-3 b.22mm
- Vapor barrier 200mk
- Wooden beams C24 45x220m
  S. insulation mineral wool λd=0.036w/mk b.150+75mm
- Windproof insulation
- Moisture-resistant plywood b.9mm
- Wooden batten for joints 25x100mm (septic)



Partition



- Plasterboard in 2 layers 12.5+12.5mm
- Wall timber frame C24 45x95mm
  Acoustic mineral wool b.100mm
- Plasterboard in 2 layers 12.5+12.5mm