1. roof gutter
2. rain pipe drainage

lane-shaped roofing
water-repellent / vapor-permeable layer
150 mm insulation
vapor-inhibiting layer
original reinforced concrete roof
12.5 mm plasterboard
vapor-inhibiting layer
200 mm insulation
water-repellent / vapor-permeable layer
225 mm original reinforced concrete
5 mm sand cement finishing layer

1. Plasterboard protection corner
2. 66 mm Classic-ISO-PLUS steel window frame
3. original detail around windows
4. HR++ double glass window
5. water cutting hole
Detail 3. Horizontal Window Detail

Scale 1:5

1. HR++ double glass window
2. 66 mm Classic-ISO-PLUS steel window frame
3. Original concrete slat between windows
4. Plasterboard protection corner

- 12.5 mm plasterboard vapor-inhibiting layer
- 200 mm insulation water-repellent/vapor-permeable layer
- 225 mm original reinforced concrete
- 5 mm sand cement finishing layer
60 mm polymer concrete floor with transparent matte coating and floor heating
waterproof film
20 mm Gutex Thermofloor
30 mm Fermacell honeycomb fill
320 mm LIGNATUR surface element with wood fibre insulation, REI60
LIGNATUR type 3.1 acoustics

12.5mm plasterboard
vapor-inhibiting layer
200 mm insulation
water-repellent / vapor-permeable layer
225 mm original concrete
5 mm sand cement finishing layer
1. steel railing
2. 50mm x 50mm squared welded steel wire mesh
3. steel protection corner
4. steel railing bracket

50 mm sand cement floor with coating
190 mm reinforced concrete elevation
original reinforced concrete balcony
5 mm sand cement finishing layer
20 mm parquet flooring (6 mm oak toplayer and 14 mm plywood underlayer)
160 mm poly concrete floor incl. floor heating
0.2 mm PE-foil
120 mm PUR insulation sheet
original concrete floor
sand

1. Ø 40mm CV insulated pipe
2. original steel sliding door
3. 20x20x6 cm abbeystone tiles
80 mm poly concrete floor incl. floor heating with transparent matte coating
0.2 mm PE-foil
120 mm PUR insulation sheet
original concrete floor
sand

Ø 40mm CV insulated pipe
Ø 40mm CV insulated pipe
cellular concrete
60 mm polymer concrete floor with transparent matte coating and floor heating waterproof film
20 mm Gutex Thermofloor
30 mm Fermacell honeycomb fill
320 mm LIGNATUR surface element with wood fibre insulation, REI60
LIGNATUR type 3.1 acoustics

1. Ø 125mm PVC sewage pipe 1:200 incline
2. 200 mm concrete beam reinforcement
3. original concrete walkway
1. 120x120x11 mm single-sided corner steel
2. 180 mm cross laminated timber wall element
3. wooden support block
4. 200 mm UNP steel profile
5. 40x100 mm wooden planks
6. 160 mm HEA steel profile

60 mm polymer concrete floor with transparent matte coating and floor heating waterproof film
20 mm Gutex Thermofloor
30 mm Fermacell honeycomb fill
320 mm LIGNATUR acoustics element
LIGNATUR type 3.1 acoustics