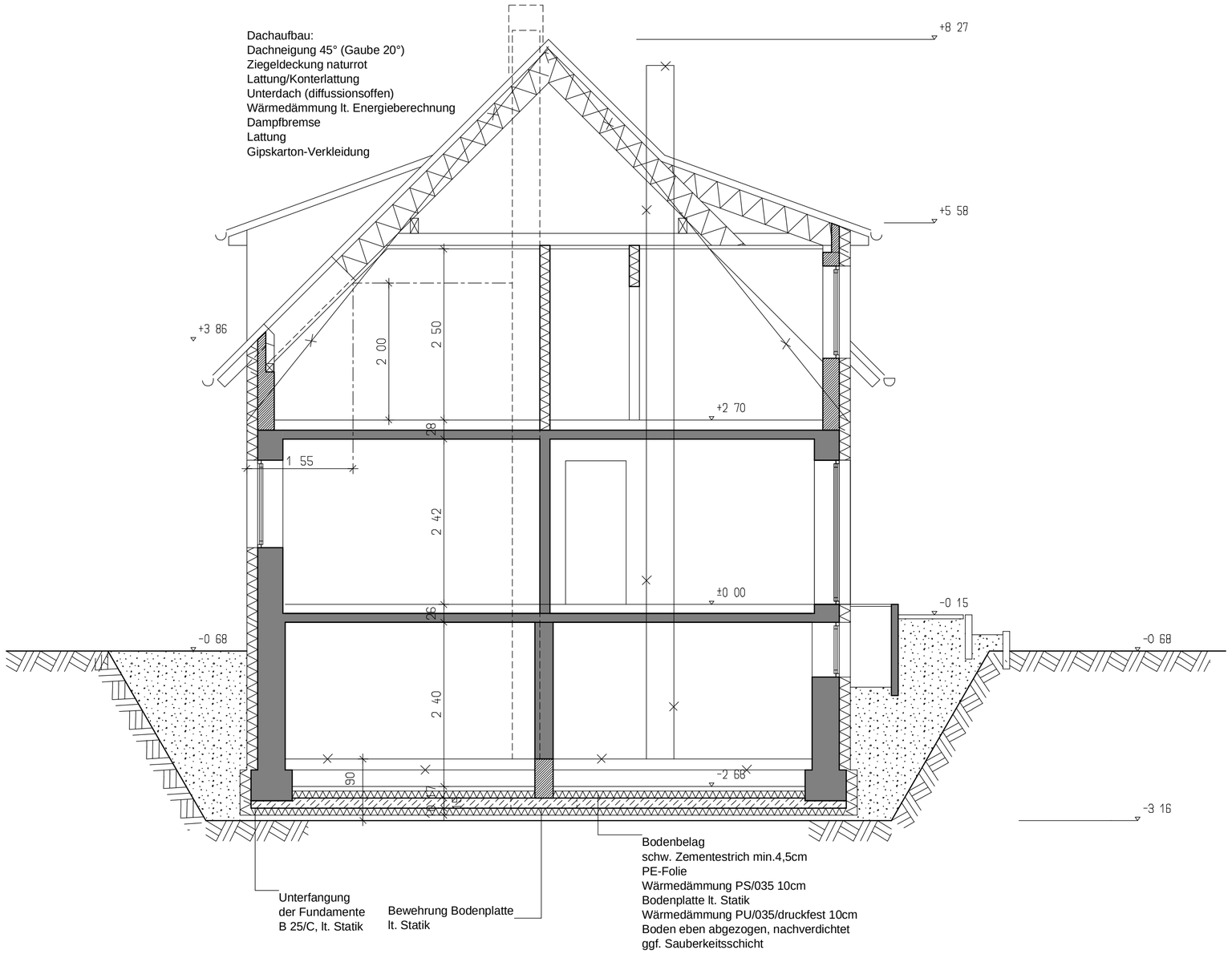
with the Energy Consulting

from 25l -House to the 5l -House



Roof

If the truss is remediable the rafter can be
stregthened and heat insulation inseted
up to 40cm /WLG040, U=0,1W/m²K
e.g. cellulose fibre with a subroof made out of wood soft fibre

U<0.2 W/m²K

Wall

Uvalues of old massive walls approx. 1.01.6 W/m²K
with outwall insulation, at least 20cm/WLG 035
e.g. a heat insulation bounded system with mineral plaster

U<0.15 W/m²K

Window

replace windows Uw<0.9 W/m²K (3times glazing)
or improve composit/box windows by replacing
the inner frame and the glazing

Uw<1.2 W/m²K

Floor Panel / Basement Roof

insulating the roof from the bottom, at least 10cm/WLG 040
or new floor construction with heat insulation
against the ground 2 x 20cm/WLG 035

U<0.2 W/m²K