

ledeb

energy efficient school in ledeberg, belgium
march 2014 - january 2015

architect

coppens & coen architecten, aalst

client

primary school ledeberg & agion

program

multipurpose room
4 classes, including sanitary
renovation sanitary existing school
demolition old multipurpose room

sustainability

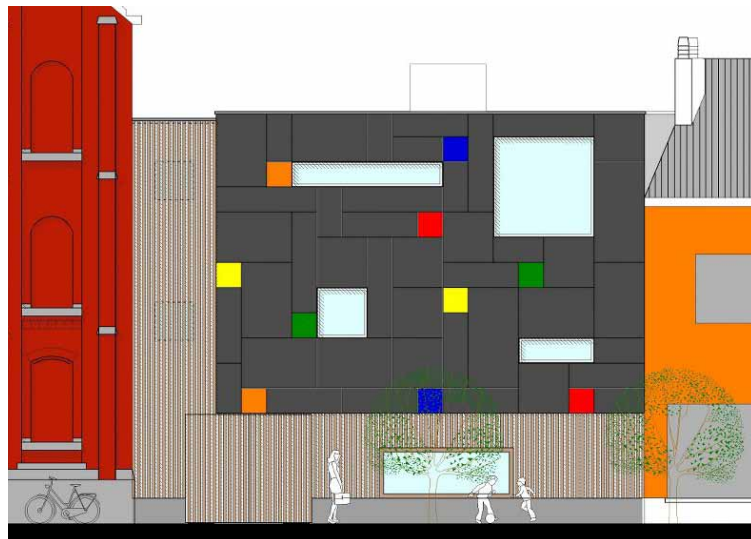
ventilation system D including heat pump (air~air)
(mechanical supply and mechanical exhaust)
level of overall thermal insulation of the building
(heat loss per m³ of a heated building volume)
K-level : max K40

level of energy

*(level of annual primary energy consumption
in correlation with heat loss surface, protected
volume and ventilation rate)*

E-level : max E70

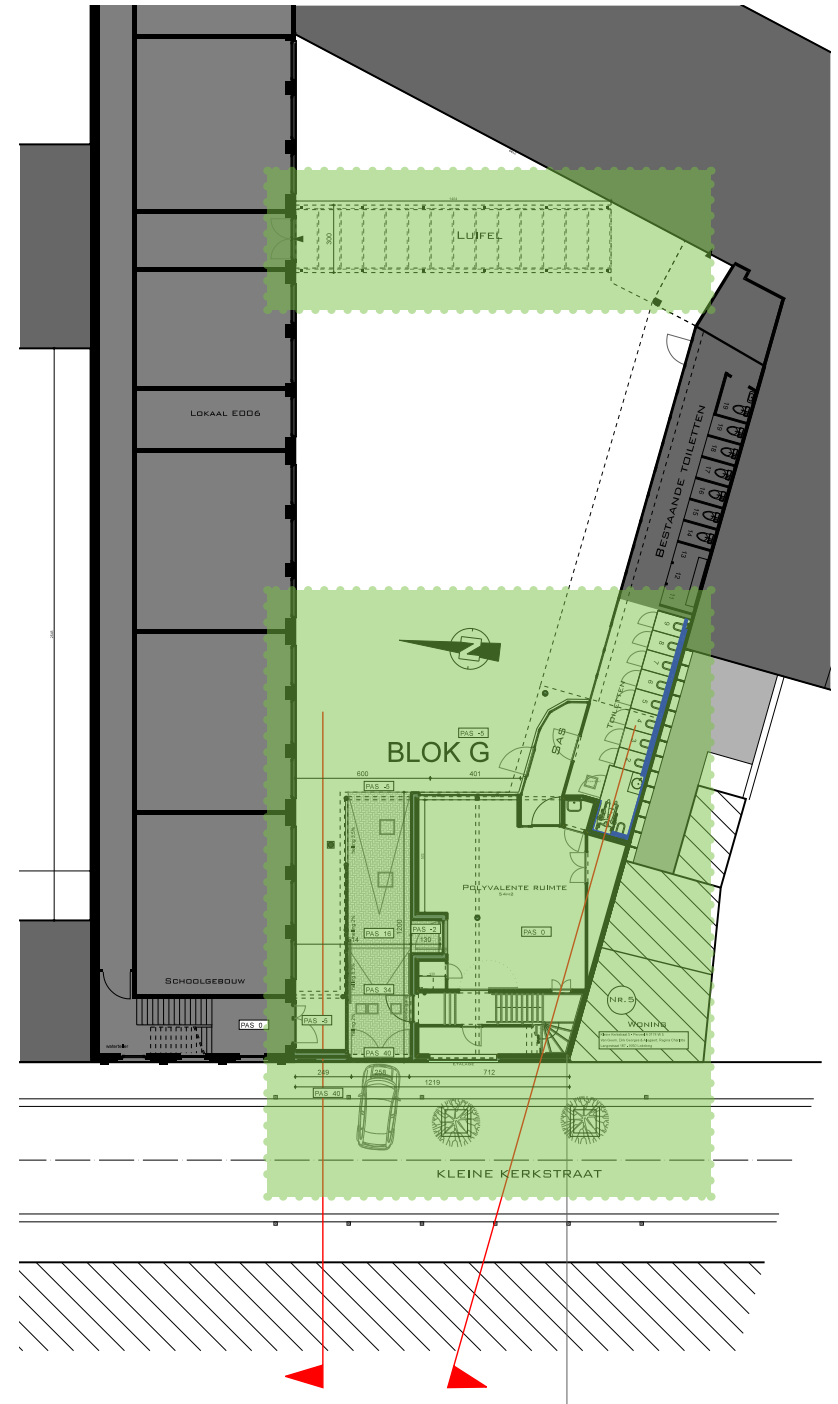
attention to access for disabled people, fire-safety, durable
materials, rainwater-management, acoustics,
daylight-reflection, ...



front facade design



streetview before



floorplan