Table S1. Principles for the temperature exceedance calculation.

- Mezzanine
- Glass percentage facade: 80 [%]
- *U*-value glazing: 0.94 [W/(m^2.K)]
- G- value glazing: 0.26 [-]
- G- value glazing + sun protection: 0.14 [-] (sun blind slats in the cavity)
- LT value glazing: 0.60 [-]
- Person occupancy: 1 person at 80 [W/10 m^2]
- Installed lighting power: 10 [W/m^2]
- Heat emission equipment: 10 [W/m^2]
- Plenum space function: negative pressure
- Infiltration rate: 0.3 [m^3/(h.m^3)]
- Mechanical ventilation rate: 2.7 [m3/(h.m^3)]
- Minimum inlet temperature: 16.0 [℃]
- Fan and duct heating: 1.5 [℃]
- Inlet temperature: outside temperature
- Working hours: 09:00 to 17:00
- Minimum indoor temperature: 22.0 [℃] during working hours
- Minimum indoor temperature: 15.0 [℃] after working hours
- Blinds operated during working hours: if Qtransmitted sun ≥ 120 [W/m^2]
- No sun blind after working hours
- Additional ventilation through facade (during working hours): if Ti > 24 ℃, Tu > 16 ℃, (Ti-Tu) >1 K
- Additional ventilation through facade (after working hours): none

- Net opening glass outer side of the facade: 0.2 [m^2/m]
- Net opening glass inner side of the facade: 2.08[m^2/m]
- Type of opening outer side of the facade: flaps (opening angle: 15 degrees)
- Type of opening inner side of the facade: tilt window (opening angle: 15 degrees)
- Surface gap under door: 0.005 [m^2]
- Night/weekend ventilation: none
- Inner walls: Metal Stud
- Floor construction (top-bottom):
    - project carpet
    - 36 mm plasterboard (incl. water tubes)
    - 50 mm screed
    - 200 mm concrete floor
    - Plenum space
    - 50 mm mineral wool
    - 18 mm plasterboard (incl. water tubes)