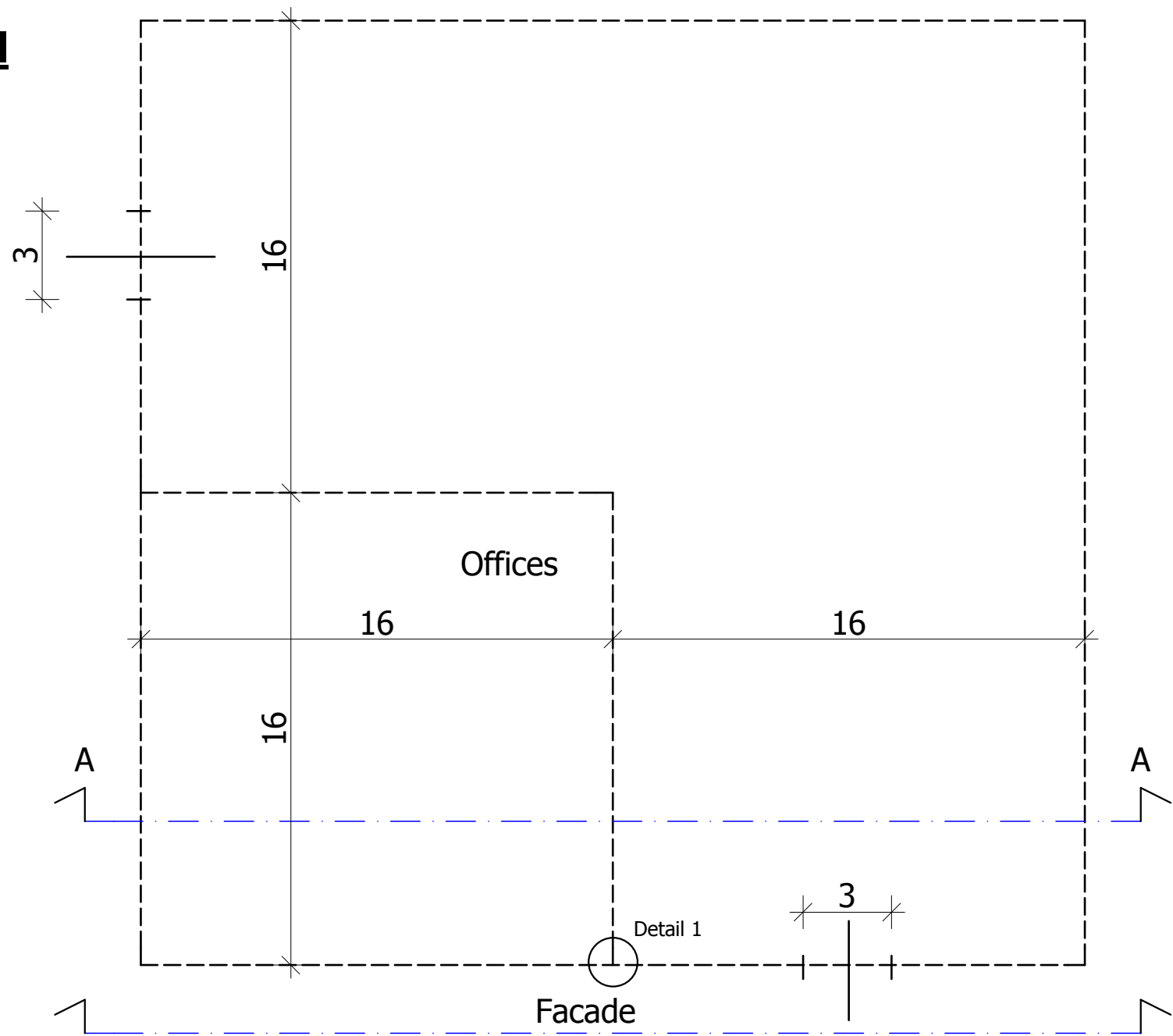
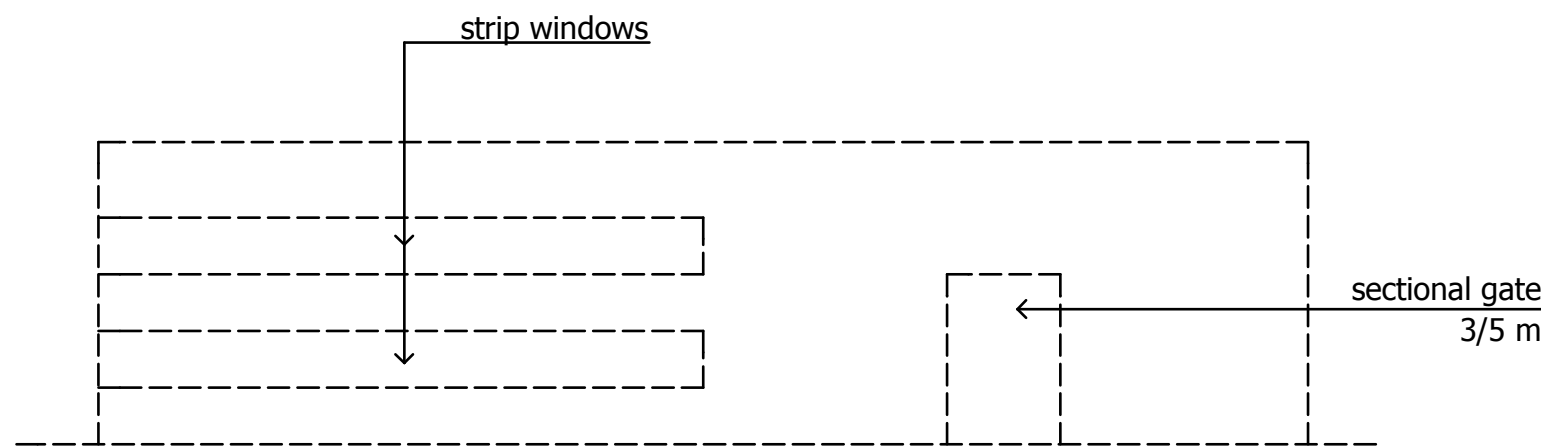


2. Structural floorplan

M = 1:200



3. Facade M = 1:200



Drafting exercise

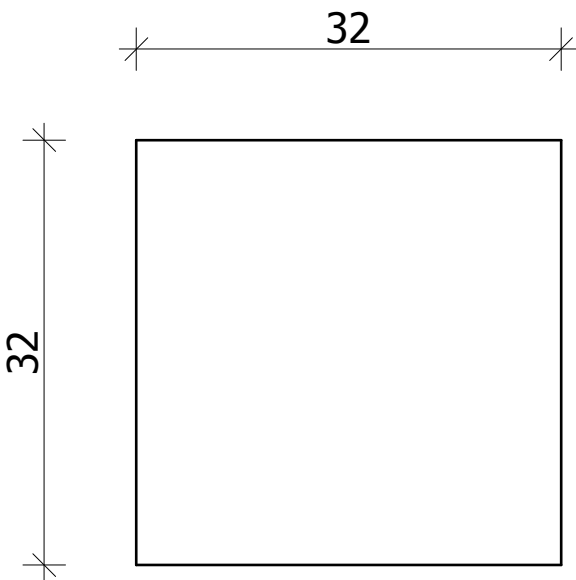
Given is the schematic groundplan of a manufacturing building built on a flat area. The building has a two story office part (ground floor + 1th floor) and a manufacturing area. NO columns are allowed in the manufacturing area (outside of the office part). The building is fully heated, the soil is loadbearing and there is no soil water. There is no need for a later extension.

The loadbearing construction is a prefab. RC frame. The external wall and facade must be a lightweight construction!

Ground floor level: ± 0,00  
Ground level: - 0,50  
Minimum usefull headroom in the hall: 8,00 (under the beams!)

1. Prepare the roof overview indicating both the slope of the roof and the water drainage system - give the essential diemnsions as well!
2. Prepare the structural floor plan (M 1:200)
3. Prepare the facade (including the gate and the strip windows!, show the construction behind the facade as well) (M 1:200)
4. Prepare the A-A longitudinal structural section (M 1:200)
5. Prepare details 1. and 2. (M1:10)

1. Roof overview



Show the slopes, ridges, ventilation openings, drainage system, etc.