Revit in the 3rd semester

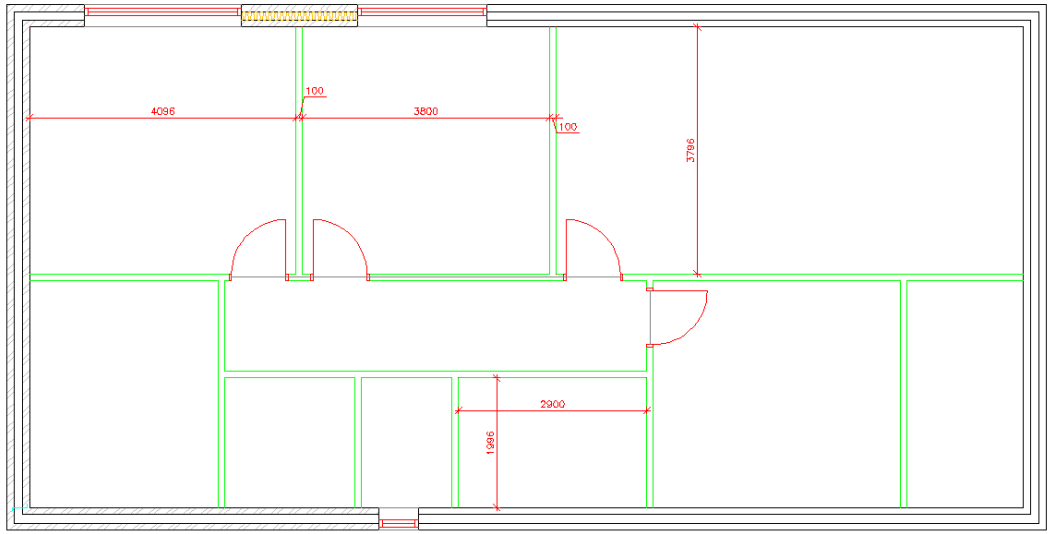


HISTORY – DEVELOPMENT

Characteristics of the traditional design phase

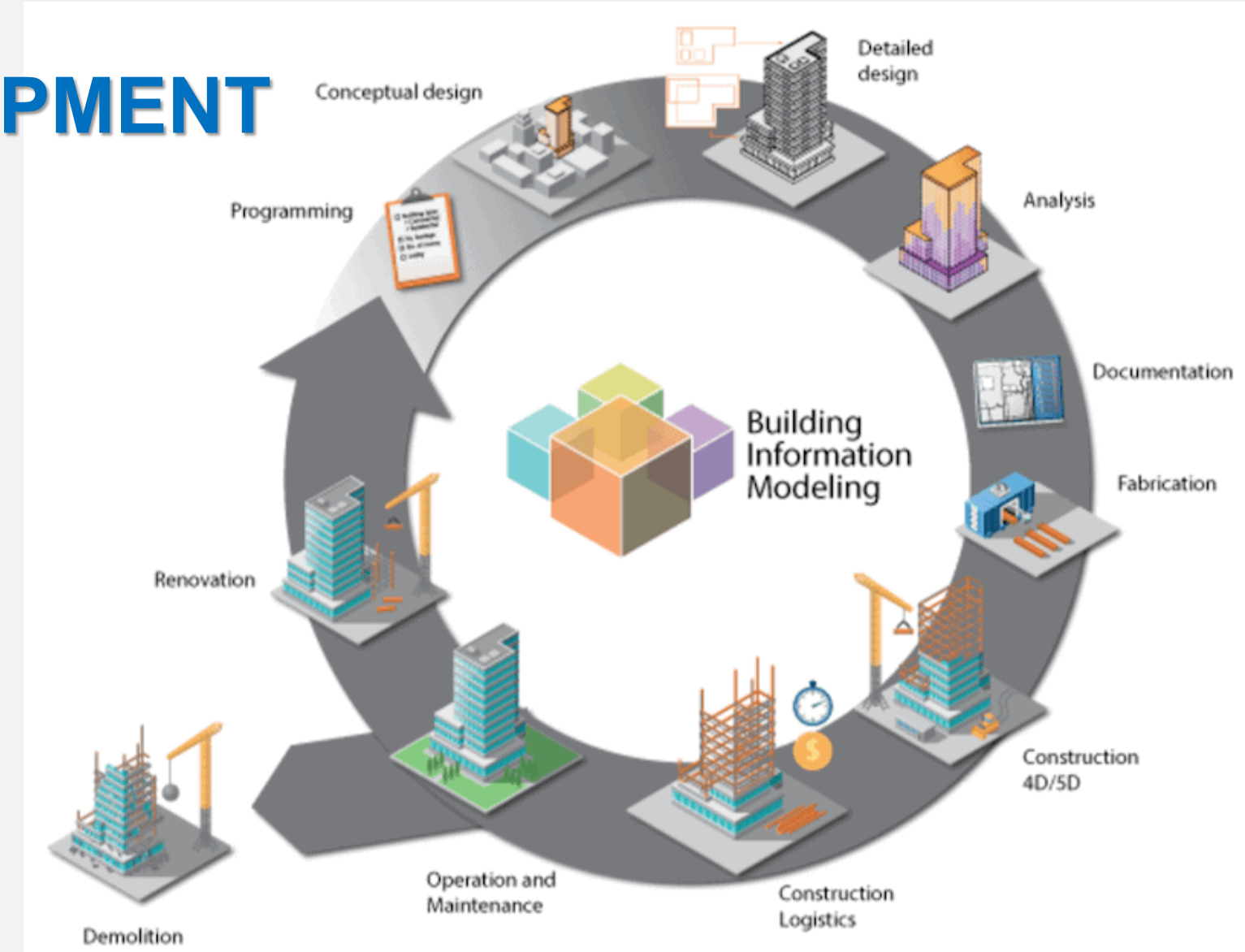
- Strong focus on the **individual products**
- **Data is prepared separately** from the "project" (detached from the project context)
- Documents are typically produced in **2D**
- There is **no intelligent connection** between the project documents





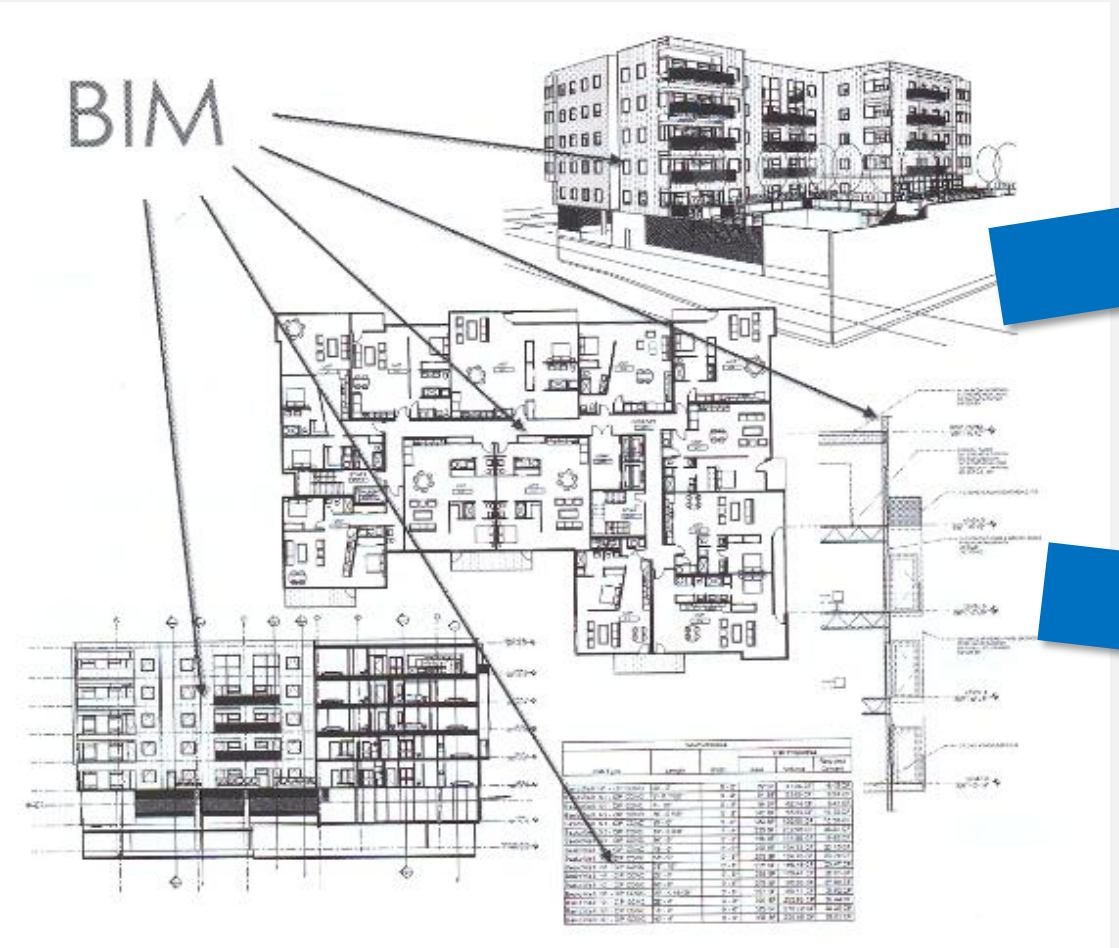
HISTORY – DEVELOPMENT

B uilding
I nformation
M odeling



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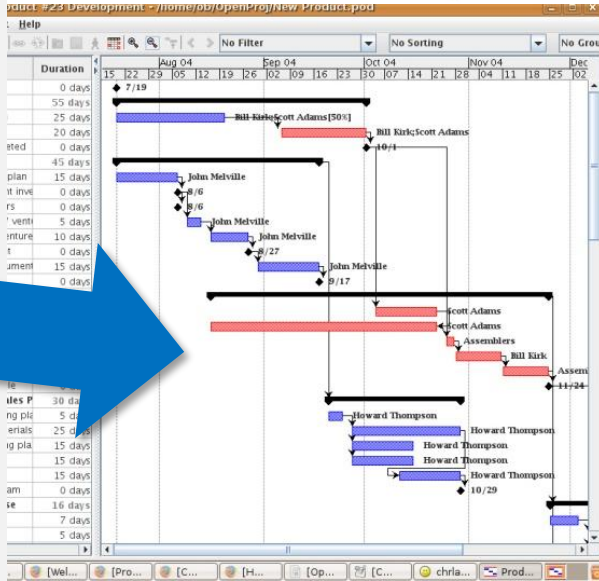
BIM 3, -4D, -5D



ECONOMY



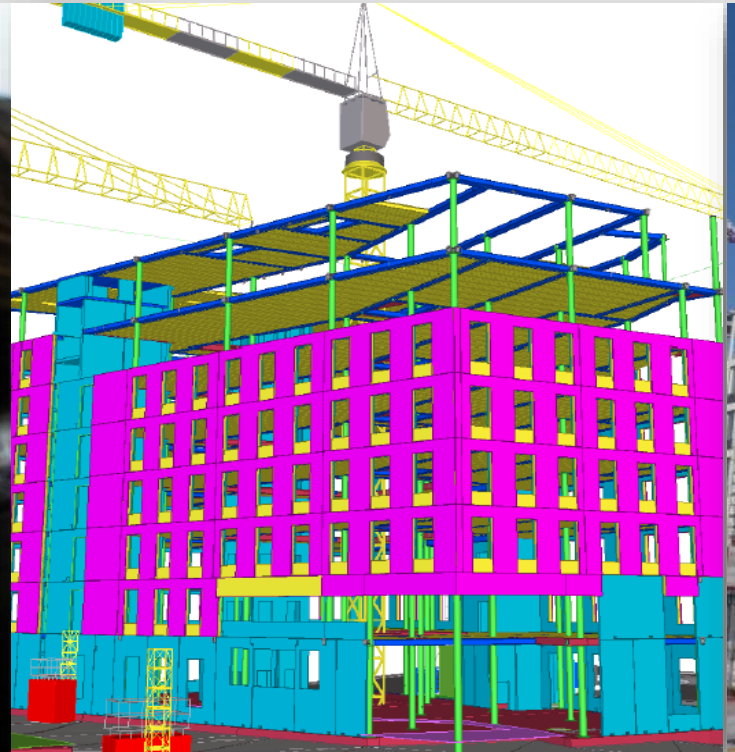
PLANNING



Build it first – Virtually

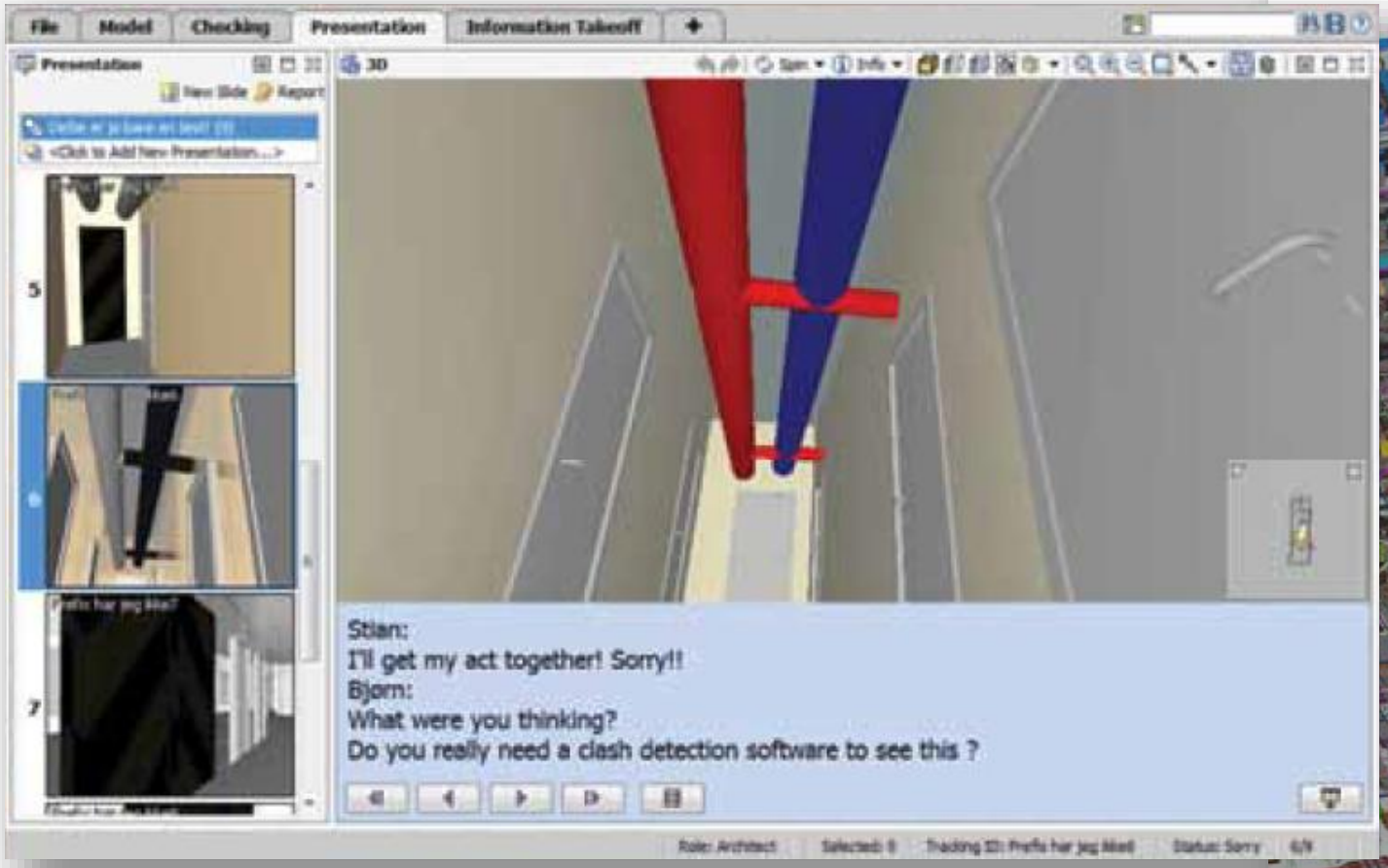
- The house is **modeled in BIM**
- Next, the **construction process is simulated** - Virtually
- Then, the house is **physically built**

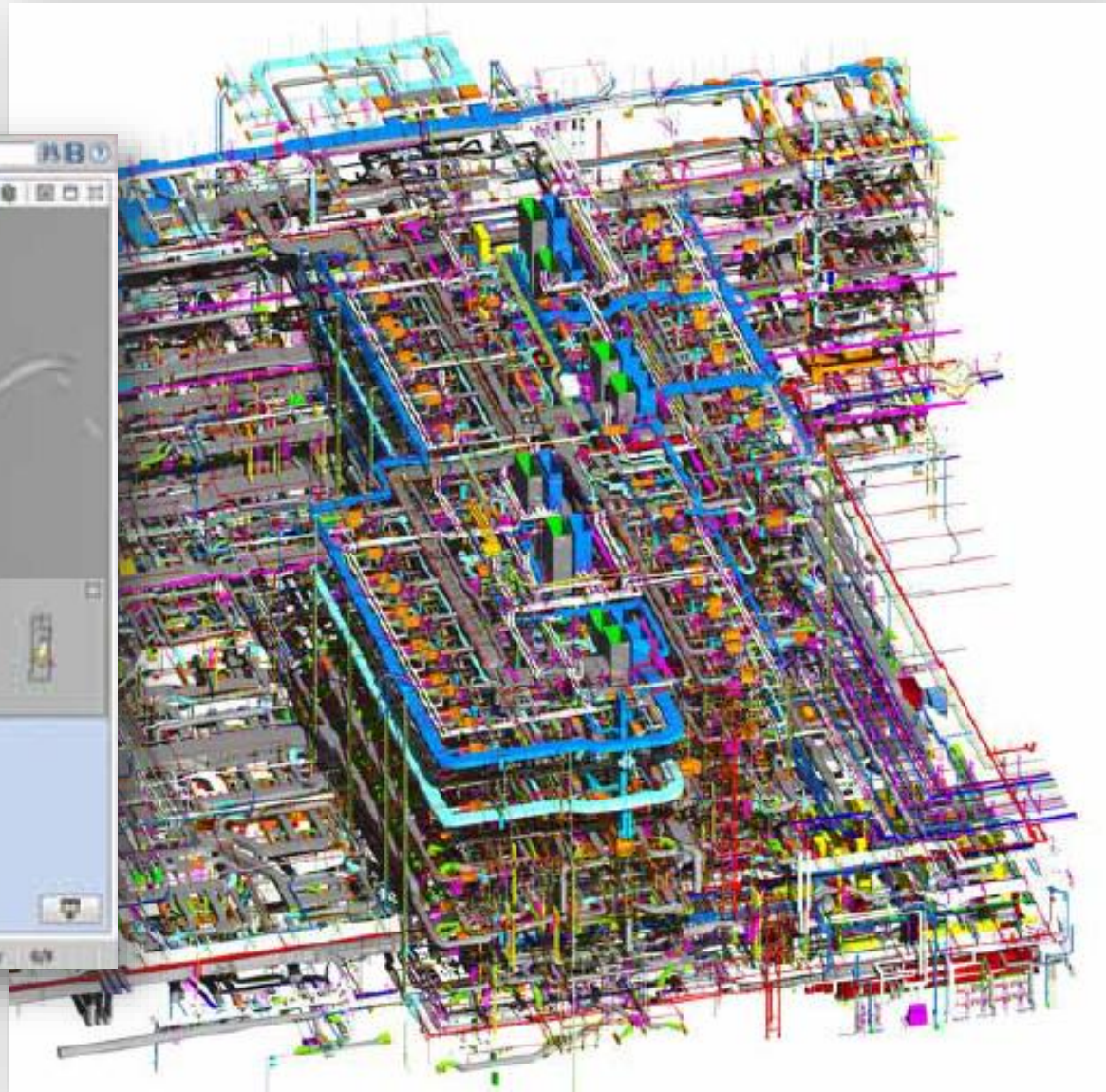






Collision detection



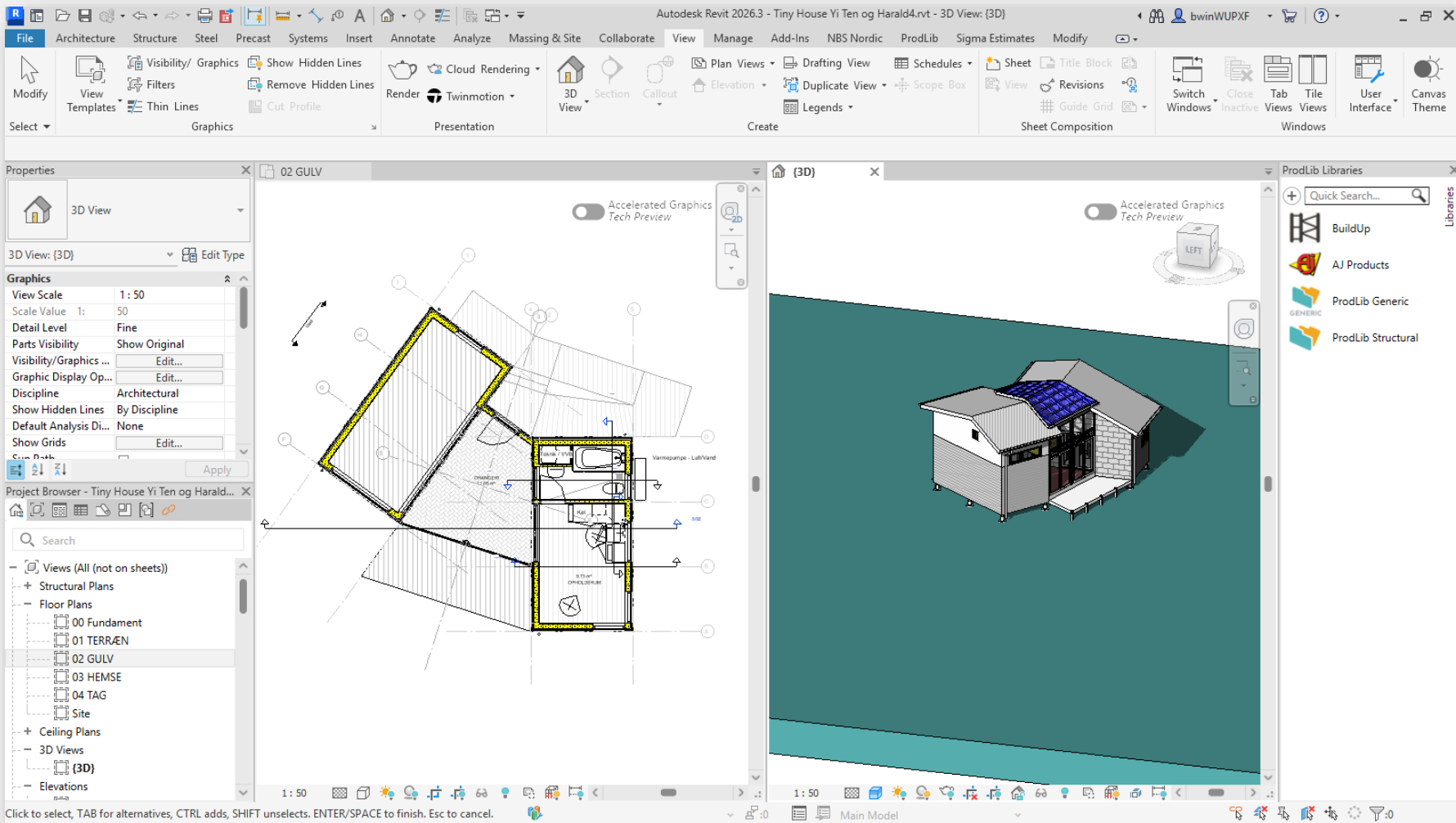


Revit – Advanced Level 1

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3D-Modeling in Revit



3.04 Revit – Advanced Level 1

This course is **individually**.

Runs from Tuesday to Thursday

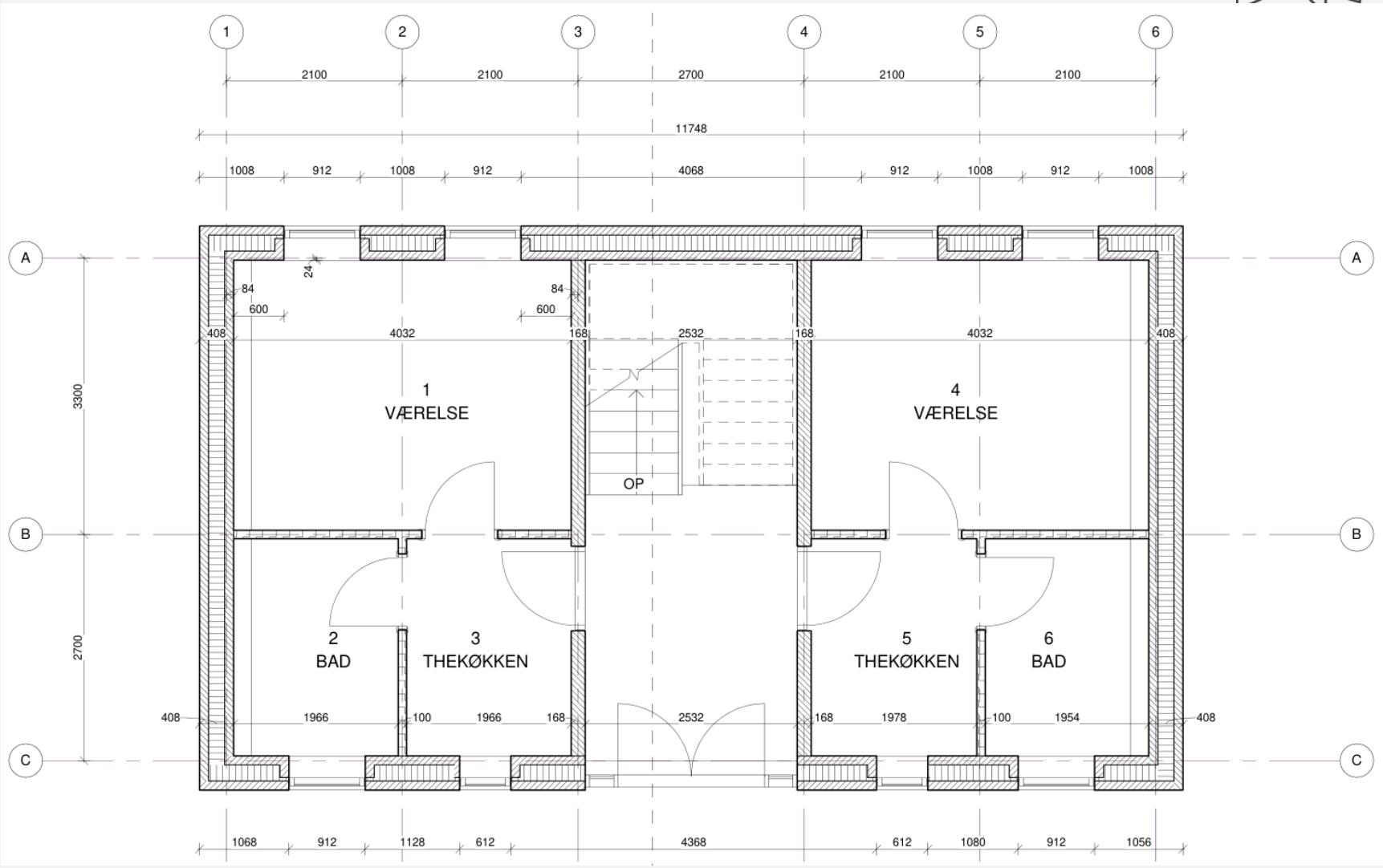
You must complete **two assignments** and **one test**.

- *3.04-A01*
- *3.04-A02*
- *3.04-T01*

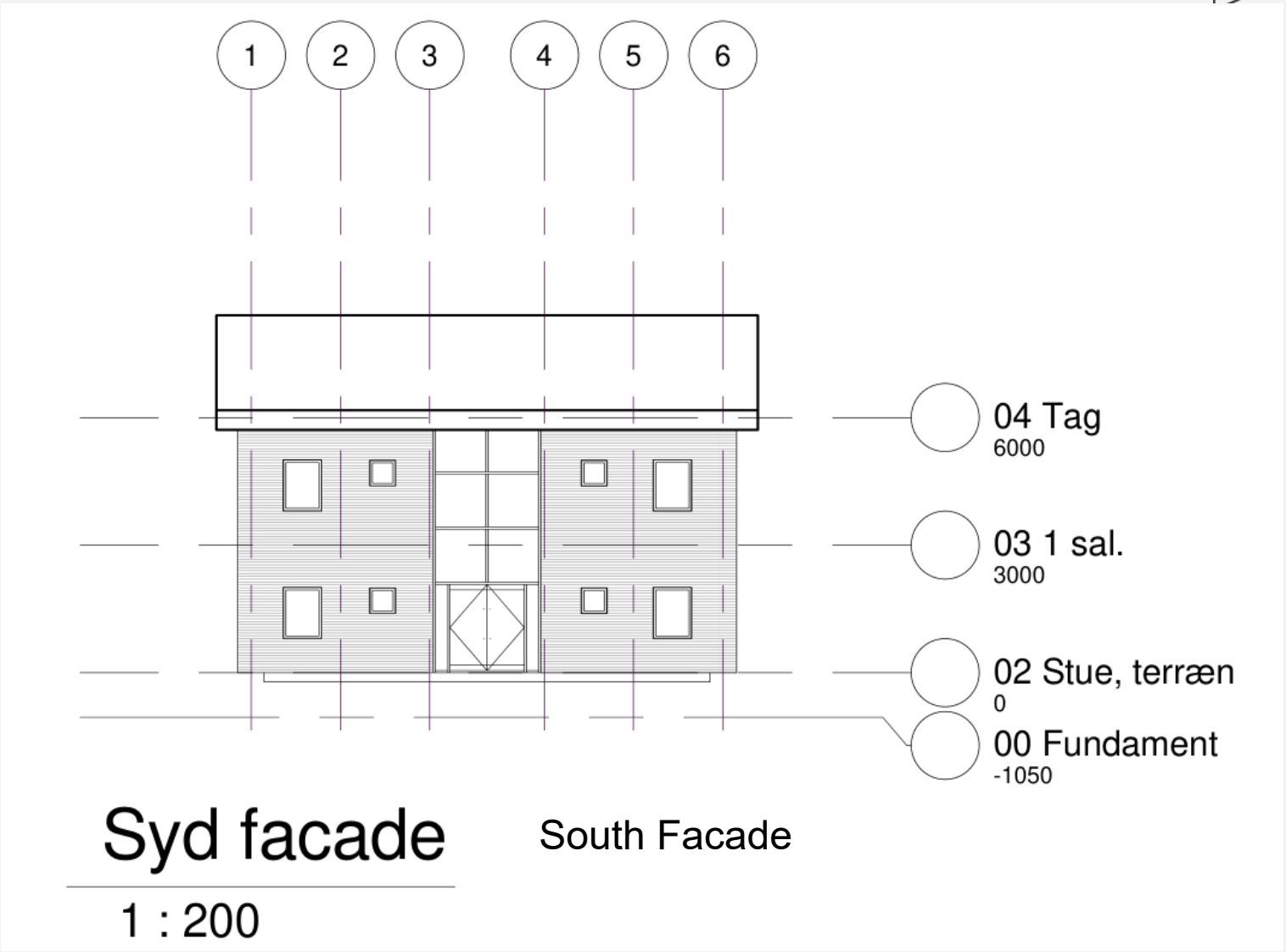
Warmup exercise for Revit drawing.

- The following slides shows a plan drawing and the facades of a **two storey building**.
- Your assignment is to try to draw the building, but **only ground floor**.
- This mean you should **not include the stair**.
- The dimensions of the windows are not given - but use **1212 x 912 mm** for the bigger windows and **612 x 612 mm** for the smaller.
- You can **choose the doors by yourself**.
- **Room height** and **slope of roof** are also **your own decision**.
- Remember to **connect external walls with the roof!**

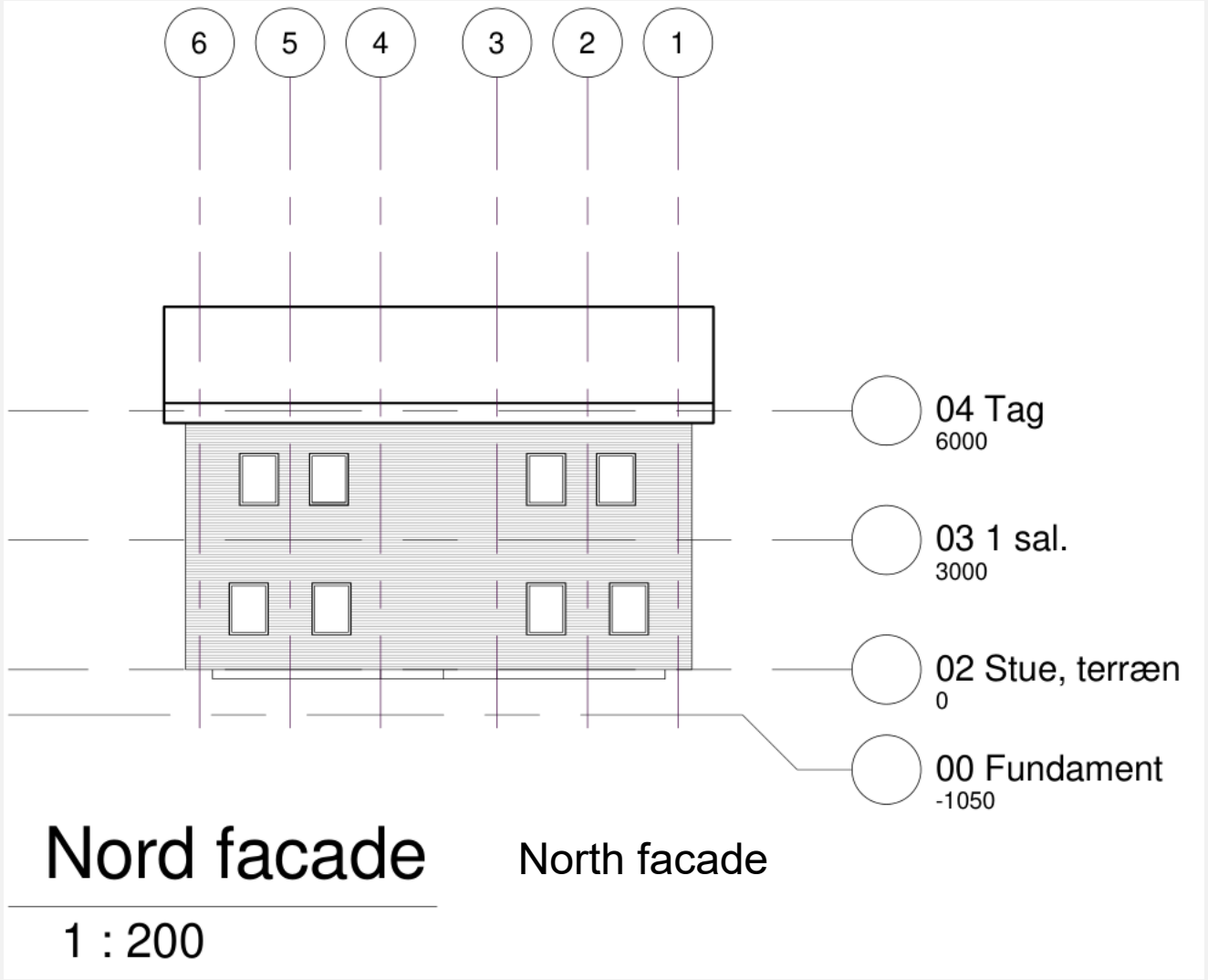
Revit – Advanced Level 1



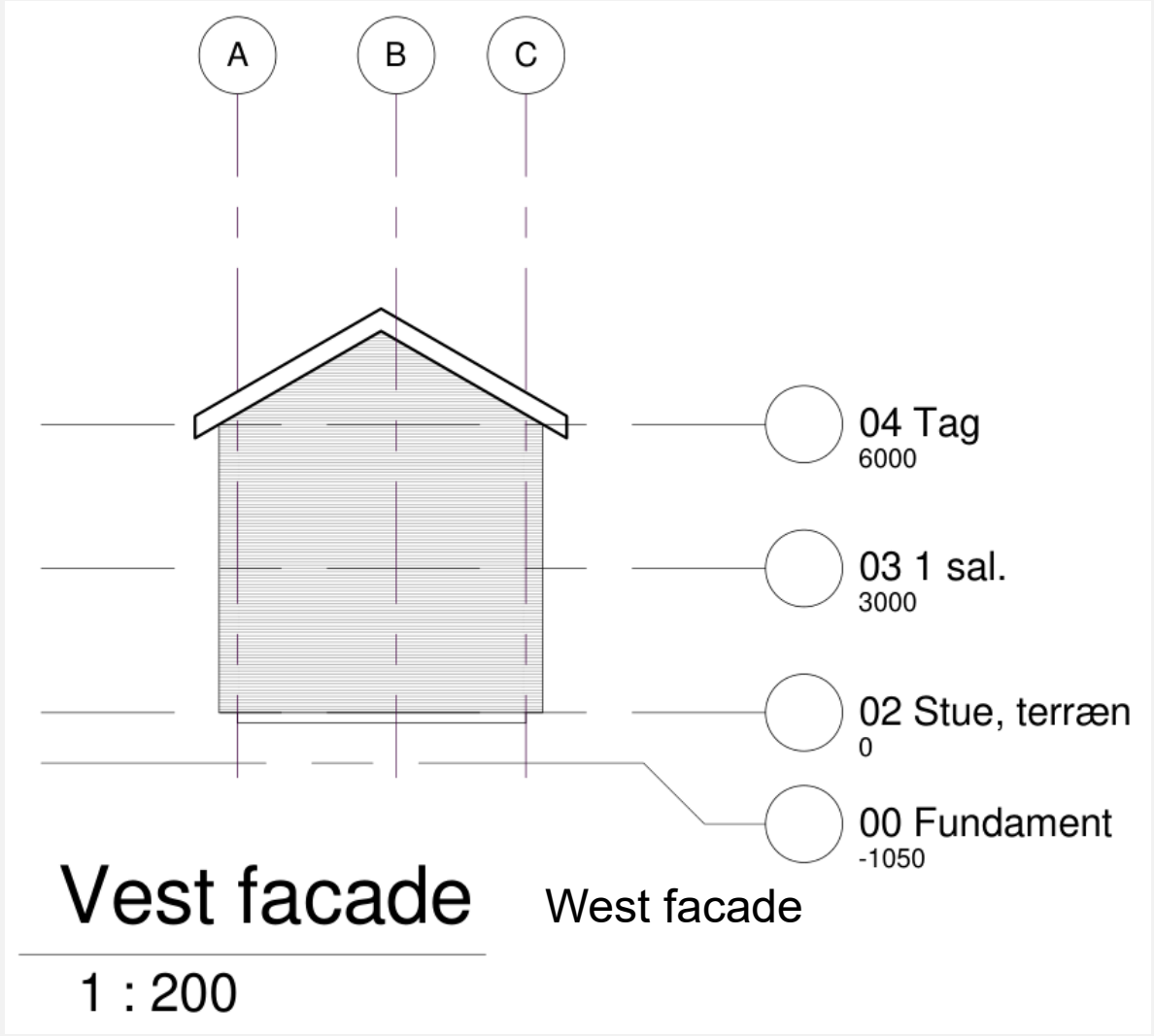
Revit – Advanced Level 1



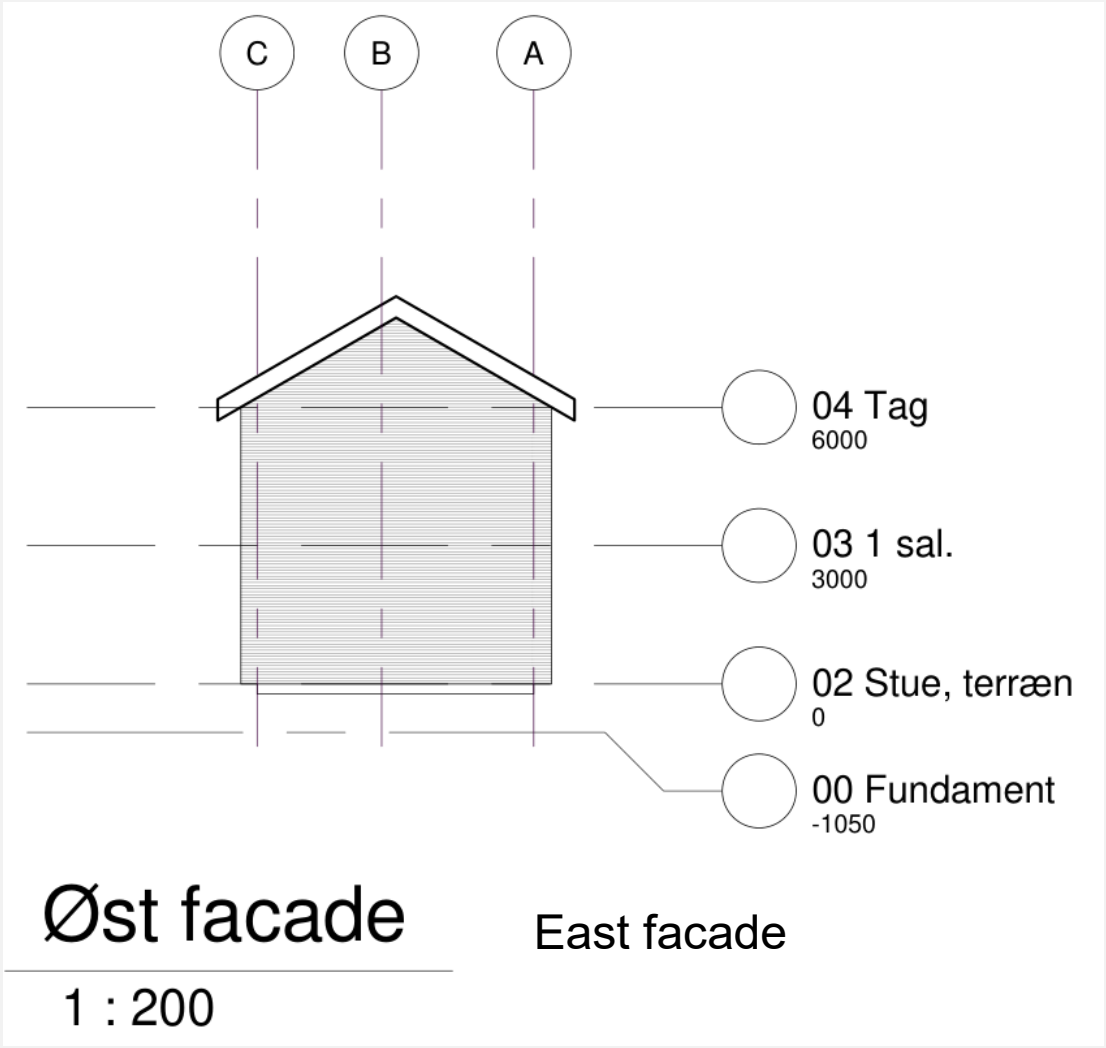
Revit – Advanced Level 1



Revit – Advanced Level 1



Revit – Advanced Level 1



Hand-in

- Take **screenshots** of the floor plan, sections, and elevations, and **place them in a PPT**.
- **Save** the PPT **as a PDF-file**.
- **Submit** the PDF-file to the TCU/VIA web-site according to the Teaching Plan - **Today**
- Name the assignment ***3.04-A01_Your name_Your groupnumber***

Revit Assignment – Advanced Level 1

We will give a short introduction/recap to Revit now.

And you can watch the videos on the TCU/VIA website.

