

Review of the opponent

Title: Detached House
Author: Mustafa Hajiyev
Opponent: doc. Ing. Miloš Kalousek, Ph.D.

Description:

The bachelor thesis is completed as a project of a family detached house. The double floor wooden construction building with a flat roof was designed.

Review:

	Excellent	Very good	Good	Unsatisfactory
1. Technical level of the project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
2. Used methods and procedures	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>
3. References for study documents	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>
4. Formal, graphical and stylistic level	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>
5. Fulfilment of the project assignment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X

The review comments:

- 1) **Situation layout** should be completed:
 - Main dimensions of the building and the building plot
 - Vertical levels (altitude – level above the sea level) of the initial ground level and formation ground level specified on the building perimeter in the position of the building corners.
- 2) **All drawings of details** should be dimensioned – dimensions of individual layers and constructions, vertical levels (altitudes) of the details in section should be completed.
- 3) The drawing of **the roof** is not properly completed, dimensions and descriptions are missing as well as description of the roof layers' composition. The dewatering scheme of the roof is not correct. The slopes of the roof for the two rain water outlets are not specified. Positions of the rain water outlets should be specified and dimensioned, vertical levels of the outlet positions, vertical levels of the roof attics should be also completed.
- 4) The drawing of **the foundation** should be completed with plan and longitudinal and transverse sections with specification of the foundation depth, legend of the materials, specification of

waterproofing layers and thermal insulation layers. Main dimension lines of the foundation in the plan are missing, also vertical levels of the foundation depth (vertical level written in the rectangle to be specified as altitude of the level of the foundation).

- 5) **Foundation calculation** – foundation footing, but foundation strips are drawn in sections A-A and B-B.
- 6) **Plans of 1st and 2nd floor and floor construction and sections:** they are not properly completed - for example dimensioning of the staircase is missing and vertical levels, etc. Dimensioning of windows and doors are not correctly dimensioned.

Conclusion:

The project proper presentation and description of the above mentioned review comments are recommended for the final defence of the bachelor thesis.

Classification degree in accordance with the ECTS: **E / 3**

Date: 8. 6. 2020

Signature: