



Master thesis assessment

Student: Alshawi Ahmed Modher Sobhi
Thesis Title: Structural Project of Luxiurious Villa
Thesis Supervisor: Doc. Ing. František Kulhánek, CSc
Reviewer: Ing. Marek Novotný, Ph.D.
Date of Thesis Submission: 10.01.2019

I. Evaluation Criteria

Evaluation Criteria	A	B	C	D	E	F	Not Rated
Objectives and thesis assignment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of expertise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suitability of used methods	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Formal and graphic level	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thesis clarity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Student's ability to apply engineering approach	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: The fields in the table are checked by double-clicking the mouse on the box (select "Default = checked"), or place an X it in the appropriate cell of the table.

II. Comments

Basis for evaluation of individual criteria (required, ¼ - ½ page):

The basic assignment of the diploma thesis was a luxury design project in the Czech Republic in Průhonice. The scope and content of this diploma project is accurate to the level and proper processing by the student.

It solves, at the basic level, all the necessary parts of the building structures, including the corresponding calculations.

Everything is processed without big mistakes. Inaccuracies in the design solution can be attributed to a lack of experience and study in a foreign language and different climatical conditions.

For the structural project, it would be advisable to elaborate more structural details, where it is possible to identify the student's ability to draw structural detail into the functional design.

Within the submitted project, there are the differences between the solution of the constrictions in sections and details - especially for the attics. Slope. I also did not identify the method of drainage, including co-ordination on individual floors.

III. Debate topics

For the purposes of debate, I recommend the following (required):

1. Stair railing solution that is very important for the safety of use;
2. System for drainage of roofs, terraces and balconies;
3. Explanation, for example, of structure C3 where the composition is for acoustic insulation. What material needs to be used to make this construction work properly;
4. Very interesting would be the comparison of building physics parameters important for the Czech Republic and the homeland of the student who design this project.

VI. Overall Assessment

As a reviewer I evaluate the submitted thesis with the grade:

In the overall assessment, upon acceptance of all input data, this is a very well-chosen project, both in terms of content and depth of processing. In addition, these inaccuracies, respectively disco-ordination, it is possible to evaluate this project as very good.

B

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Grading scale used:

A	B	C	D	E	F
<i>excellent</i>	<i>very good</i>	<i>good</i>	<i>satisfactory</i>	<i>sufficient</i>	<i>failed</i>

V. Result

Based on the above as a Reviewer:

<input checked="" type="checkbox"/>	I recommend the master thesis for defense
<input type="checkbox"/>	I don't recommend the master thesis for defense

In Praha date 30.01.2019

Ing. Marek Novotný, Ph.D.
Reviewer